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**INVERSIONS SOSTENIBLES I BONS BLAUS: UNA APROXIMACIÓ EMPÍRICA
AL RENDIMENT I A LA CONSCIENCIACIÓ.**

TREBALL DE FI DE GRAU

Àrea temàtica: Mercats i actius financers

Grau de Finances i Comptabilitat



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1. Títol, resum i paraules clau

Títol: Inversions sostenibles i bons blaus: Una aproximació empírica al rendiment i a la conscienciació.

Resum: Aquest treball pretén analitzar el concepte d'inversió sostenible, la seva evolució, i la creixent importància que té en el sistema financer. L'objectiu principal és esbrinar si els bons blaus, que formen part dels actius ASG, són més rendibles que els bons tradicionals. Per tal d'estructurar bé el treball, primer farem una recerca d'informació exhaustiva per tal de concretar el nostre marc teòric, el qual consistirà en explicar des de que és una inversió sostenible i que és un actiu ASG, fins a la definició dels bons blaus i la seva importància tant financera com mediambiental. Tot seguit, es realitzarà una enquesta on els objectius principals seran esbrinar si es coneixen aquest tipus d'actius ASG (en concret els bons blaus) i si es voldria invertir en un futur en aquests actius.

Seguidament, a partir de tota aquesta informació, realitzarem la nostra part pràctica on pretenem comprovar si els bons blaus ofereixen una rendibilitat superior als bons tradicionals. Per tal d'esbrinar-ho, ens endinsarem a fer una anàlisi comparativa entre l'índex Sol Blue Bond, que és un índex dels bons blaus representatiu a Alemanya, i el Germany 10-Year Bond Yield, representant el Bo Alemany. Aquesta anàlisi comparativa consistirà en la realització d'una anàlisi empírica d'ambdós actius, amb càlculs com la mitjana, mediana, recorregut, la rendibilitat efectiva diària, el coeficient de variació i la volatilitat anualitzada entre d'altres. Els quals ens permetran veure quin actiu és més rendible, tot i que el període analitzat només podrà ser dels anys (2023 i 2024), ja que aquest índex va sorgir l'any 2023.

Paraules clau: Actius ASG, bons blaus i rendibilitat.

Título: Inversiones sostenibles y bonos azules: Una aproximación empírica al rendimiento y concienciación.

Resumen: Este trabajo pretende analizar el concepto de inversión sostenible, su evolución, y la creciente importancia que tiene en el sistema financiero. El objetivo principal es averiguar si los bonos azules, que forman parte de los activos ESG, son más rentables que los bonos tradicionales. Para estructurar bien el trabajo, primero haremos



una investigación de información exhaustiva para concretar nuestro marco teórico, el cual consistirá en explicar desde que es una inversión sostenible y que es un activo ESG, hasta la definición de los bonos azules y su importancia tanto financiera como medioambiental. A continuación, se realizará una encuesta donde los objetivos principales serán averiguar si se conocen este tipo de activos ESG (en concreto los bonos azules) y si se querría invertir en un futuro en estos activos.

Seguidamente, a partir de toda esta información, realizaremos nuestra parte práctica donde pretendemos comprobar si los bonos azules ofrecen una rentabilidad superior a los bonos tradicionales. Para averiguarlo, nos adentraremos a hacer un análisis comparativo entre el índice Solo Blue Bond, que es un índice de los bonos azules representativo a Alemania, y el Germany 10-Year Bond Yield, representado el Bono Alemán. Este análisis comparativo consistirá en la realización de un análisis empírico de ambos activos, con cálculos como la media, mediana, recorrido, la rentabilidad efectiva diaria, el coeficiente de variación y la volatilidad anualizada entre otros. Los cuales nos permitirán ver qué activo es más rentable, a pesar de que el periodo analizado solo podrá ser de los años (2023 y 2024), puesto que este índice surgió en 2023.

Palabras clave: Activos ASG, bonos azules y rentabilidad.

Title: Sustainable investments and blue bonds: An empirical approach to performance and awareness.

Summary: This work aims to analyze the concept of sustainable investment, its evolution, and the growing importance it has in the financial system. The main objective is to find out if blue bonds, which are part of ESG assets, are more profitable than traditional bonds. In order to structure the work well, we will first carry out a thorough search of information in order to specify our theoretical framework, which will consist of explaining from what is a sustainable investment and what is an ESG asset, to the definition of the blue bonds and their financial and environmental importance. Then, a survey will be carried out where the main objectives will be to find out if this type of ESG assets (specifically blue bonds) are known and if you want to invest in these assets in the future.

Then, based on all this information, we will carry out our practical part where we intend to check if blue bonds offer a higher profitability than traditional bonds. In order to find out, we will go into a comparative analysis between the Sol Blue Bond index, which is an index of



the blue bonds representative in Germany, and the Germany 10-Year Bond Yield, representing the German bond. This comparative analysis will consist of an empirical analysis of both assets, with calculations such as average, median, route, effective daily profitability, coefficient of variation and annualized volatility among others. These will allow us to see which asset is more profitable, although the period analysed can only be the years (2023 and 2024), since this Index emerged in 2023.

Keywords: ESG assets, blue bonds and profitability.

2. Presentació

Al principi, quan se'ns va informar que havíem de realitzar el Treball de Fi de Grau, érem conscients que es tractava d'un projecte de gran importància per a nosaltres, fet que ens provocava no tenir una idea clara de com enfocar-ho. Així doncs, vam assistir a la primera reunió i ens van explicar quin era el procés per escollir el tema del nostre treball.

Vam haver d'escollir entre diferents opcions relacionades amb assignatures que havíem realitzat durant aquests quatre anys. Llavors, ens vam posar a pensar quines eren les nostres opcions predilectes i quines no han sigut les que més ens han agradat. Vam tindre la sort de què ens van donar la primera opció la qual és Mercats i Actius Financers. Aquesta la vam escollir, ja que els professors i professores que ens impartien les assignatures, van aconseguir captar la nostra atenció i ens van generar un interès especial per aquesta temàtica.

Un cop se'ns va comunicar que el nostre Treball de Fi de Grau havia de ser sobre els Mercats i Actius Financers el que col·loquialment a la universitat es coneix com a "MAF", vam fer una cerca per internet d'idees interessants que poguessin estar relacionades amb l'assignatura i que al mateix temps ens generessin un interès per a poder-lo realitzar amb ganes i ambició.

El dia de la primera reunió amb la nostra tutora del treball, vam assistir amb tres propostes que ens semblaven interessants, i finalment vam arribar a un consens de quina era la millor proposta. Aquesta ha estat les inversions sostenibles, pel fet que és un tema de relativa actualitat, que es preveu que sigui de gran rellevància en el futur i personalment vam creure que seria oportú aportar el nostre granet de sorra, ja que des del nostre actual coneixement, pensem que els actius ASG a més a més de poder generar-nos una rendibilitat, també ens faran estar invertint amb actius que tenen en compte algun criteri ambiental, social o governamental, fet que creiem que és de vital importància tenir en consideració avui en dia.

Un cop ja sabíem de què volíem fer el treball, vam pensar en formes d'aprofundir en aquest tema, ens vam fer preguntes de quina volíem que fos la finalitat del nostre



treball. Finalment, vam arribar a la conclusió de què el que més ens cridava l'atenció eren les inversions sostenibles, en especial els bons blaus, i quina rendibilitat generen respecte els altres actius de renda fixa. A més, com el producte que més ens ha cridat l'atenció són els bons blaus, aprofundirem per poder conscienciar a la població de la seva importància.

Les competències del grau que més directament es vinculen amb el treball són, per una banda, de competències específiques: comprendre el sistema financer, és a dir, conèixer les institucions, els productes i els mercats que el formen, així com les relacions entre elles i amb el seu entorn econòmic. Ser capaç de cercar, analitzar i interpretar informació qualitativa i quantitativa de caràcter econòmic i social, rellevant per a la presa de decisions en el context financer, i emprar les eines matemàtiques i estadístiques adients per a l'anàlisi de les principals variables del sistema econòmic-financer. Per l'altra banda, de competències transversals, es vinculen amb el treball: aplicar el pensament crític, lògic i creatiu, demostrant capacitat d'innovació. Treballar en equip de forma cooperativa i responsabilitat compartida. Comunicar informació, idees, problemes i solucions de manera clara i efectiva, i tenir sensibilització en temes mediambientals. Per últim, de competències nuclears vinculades amb l'estudi, hi trobem: utilitzar de manera avançada les tecnologies de l'informació i la comunicació. Gestionar la informació i el coneixement. Expressar-se correctament de manera escrita en Català, llengua oficial de la URV, i definir i desenvolupar el projecte acadèmic i professional.



3. Introducció

3.1 Contextualització del tema

En els últims anys, el concepte de sostenibilitat ha anat adquirint una importància creixent en molts de sectors, sobretot en el sector financer. Les inversions sostenibles, que integren criteris ambientals, socials i governamentals (ASG) en el procés de presa de decisions, han evolucionat des d'una pràctica poc significativa fins a ocupar una posició predominant en les estratègies d'inversió en l'àmbit mundial. Els actius gestionats sota criteris ESG han experimentat creixements exponencials, impulsats tant per l'interès dels inversors institucionals com per la pressió reguladora i social.

Aquest canvi es dona a causa d'una sèrie de factors relacionats entre si. D'una banda, l'augment de la consciència ambiental i social ha portat individus i empreses a replantejar-se com gestionen els seus recursos financers.

La gestió de carteres ha hagut d'adaptar-se a aquesta nova realitat, integrant criteris ASG en els processos d'anàlisi, selecció i seguiment d'actius. Aquesta transformació no està exempta de reptes, com la falta d'homogeneïtat en els criteris de mesuraments ASG o dificultats per equilibrar objectius de sostenibilitat amb rendibilitat financera.

3.2 Justificació del treball

La justificació d'aquest treball es basa en la necessitat de comprendre com les motivacions darrere de les inversions sostenibles influeixen en la presa de decisions financeres i en com aquests criteris afecten en la gestió de carteres. Tot i la creixent popularitat d'aquest tipus d'inversions, encara existeixen dubtes sobre la capacitat de generar rendiments competitius i la seva aplicació pràctica en la gestió d'actius a gran escala.

L'estudi intentarà demostrar que els actius ASG poden oferir una rendibilitat similar o superior als tradicionals, amb menor risc en escenaris adversos. Aquesta hipòtesi permet analitzar si la sostenibilitat pot ser també un factor de resiliència financera.

Així, aquest treball busca proporcionar una visió profunda sobre els factors que impulsen aquest tipus d'inversió. Aquest estudi té una rellevància particular per a la comunitat



acadèmica i professional, ja que contribueix a un àmbit de recerca relativament nou i en expansió. La combinació de rendiment financer i impacte social/ambiental continua sent un tema de debat, i comprendre com es poden equilibrar aquests objectius ajudarà tant als acadèmics com als professionals del sector a prendre decisions informades i responsables. La recerca també ofereix una contribució valuosa a les empreses i gestors d'inversió que volen integrar criteris sostenibles en les seves estratègies, tot assegurant-se que els seus actius no només siguin rendibles, sinó també responsables a llarg termini.

3.3 Objectius del treball

Aquest treball de fi de grau té com a objectiu general analitzar les inversions sostenibles, escollint com a representant d'elles els bons blaus, i comprendre les seves implicacions en la gestió de carteres de renda fixa, tant des del punt de vista financer com des del de la sostenibilitat. En aquest sentit, s'exploren diversos aspectes clau.

L'objectiu principal del treball és respondre a la pregunta: Ofereixen els bons blaus una rendibilitat superior als bons tradicionals? Per tal d'esbrinar-ho necessitem entendre amb profunditat el concepte d'inversió sostenible i posteriorment comparar el rendiment i el risc de les inversions sostenibles entre d'altres (on l'estudi s'especialitza amb els bons blaus) amb els de les inversions convencionals (on l'estudi s'especialitza amb el bo alemany), amb la finalitat d'analitzar si existeixen diferències significatives que puguin influir en les estratègies de gestió de carteres. Aquesta anàlisi busca aportar una visió clara sobre com aquestes inversions poden contribuir a equilibrar la relació entre rendibilitat i risc.

Com a objectius secundaris, es vol identificar i analitzar les motivacions que impulsen el canvi cap a les inversions sostenibles i la conscienciació que té la població sobre aquests productes financers sostenibles. Aquesta anàlisi permetrà determinar si les motivacions són principalment econòmiques, ètiques o una combinació d'ambdues, i també l'impacte que es preveu que tinguin aquestes inversions en el futur. Per altra banda, ens trobarem amb objectius més generals com aconseguir relacionar els continguts estudiats d'assignatures impartides durant el grau com per exemple l'assignatura de Mercats i Actius Financers o Anàlisi de Dades Financeres, la capacitat de selecció i anàlisi en la cerca de material bibliogràfic y la redacció del treball de manera clara i ben estructurada

per tal de proporcionar al lector una fàcil lectura i idea clara tant dels objectius, marc teòric, marc pràctic i les conclusions del treball.

L'abast del treball inclou una anàlisi quantitativa i qualitatiu de dades relacionades amb les inversions sostenibles, centrant-se especialment en el context del mercat europeu. Tot i això, també es fa referència a tendències i dades globals per proporcionar un marc de referència més ampli i enriquir l'anàlisi.

3.4 Metodologia emprada

Per dur a terme aquest treball, s'ha seguit una metodologia que combina l'anàlisi qualitativa i quantitativa, amb l'objectiu d'oferir una visió integral de les motivacions, impactes i resultats de les inversions sostenibles en la gestió de carteres. En primer lloc, s'ha realitzat una revisió bibliogràfica, per contextualitzar el tema i establir una base teòrica sòlida sobre els criteris ASG, la seva evolució i el seu paper en els mercats financers.

A continuació, s'ha desenvolupat una anàlisi quantitativa basada en dades reals sobre el rendiment i el risc. Per a això, s'han utilitzat dades de fonts fiables, com bases de dades financeres com Investing, entre d'altres, i estudis estadístics de mercat. Aquesta anàlisi s'ha dut a terme aplicant tècniques com la comparació de ràtios de rendibilitat, mesures de risc i l'estudi de l'impacte a llarg termini sobre els resultats financers. On a partir de les seves rendibilitats s'ha estudiat el seu comportament i s'han analitzat els resultats obtinguts.

Pel que fa a la part qualitativa, s'han analitzat les motivacions i repercussions de les inversions sostenibles. Aquest enfocament ha permès comprendre no només les dades objectives, sinó també les percepcions i valors que impulsen aquest tipus d'inversions.

Finalment, els resultats obtinguts han estat organitzats i interpretats per respondre als objectius específics del treball, posant èmfasi tant en les conclusions pràctiques com en les implicacions teòriques. Aquesta metodologia permet combinar una visió global amb una anàlisi detallada, assegurant que el treball cobreixi tant els aspectes tècnics com els valors subjacents a les inversions sostenibles.

4. MARC TEÒRIC: Motivacions del canvi cap a inversions sostenibles

4.1. Què són els actius ASG? Definició i característiques

Els actius ASG són instruments financers que incorporen criteris Ambientals, Socials i de Governança en la seva gestió i selecció. Aquests criteris permeten veure quin comportament adquireixen les empreses en aspectes tan importants com l'eficiència energètica, l'ús sostenible de recursos naturals, els drets laborals, la inclusió i diversitat, l'ètica empresarial,... L'objectiu d'aquests instruments financers és promoure inversions que generin una rendibilitat financera tenint al mateix temps un impacte positiu per a la societat i medi ambient.

Els criteris ambientals serveixen per avaluar l'impacte mediambiental d'una empresa, així com la seva capacitat per gestionar riscos ambientals i adoptar pràctiques sostenibles. Aquestes accions es converteixen en estratègies i polítiques per reduir la petjada ecològica, prevenir riscos ambientals i garantir la sostenibilitat a llarg termini.

Els criteris socials s'enfoquen en com una empresa interactua amb la seva plantilla, clients, proveïdors, comunitats i altres grups d'interès. Aquests criteris ens mostren la capacitat de l'empresa per gestionar relacions socials i fomentar pràctiques ètiques i responsables.

Els criteris de governança són aquells que ens diuen com una empresa és dirigida o gestionada. Aquests criteris són fonamentals per assegurar la transparència, l'ètica empresarial i les bones pràctiques en la presa de decisions, aspectes imprescindibles per atraure inversors responsables i assegurar la sostenibilitat a llarg termini de les empreses.

També, cal fer un incís amb la paraula sostenibilitat, ja que aquesta paraula sí que té un component "verd", però també inclou aspectes socials i de governança com s'esmenta anteriorment, els quals junts, tenen l'objectiu de fomentar models econòmics que tinguin en compte, entre d'altres, el respecte als drets humans, la justícia social i el bon govern de les empreses. Actualment, la sostenibilitat forma part del nucli de decisió de moltes actuacions polítiques.

Aquests criteris poden tenir un impacte positiu o negatiu en el rendiment financer o en la solvència d'una entitat pública o privada. És a dir, el fet de ser un actiu sostenible, no et garanteix un rendiment financer positiu.

Cal tenir en compte que els tres criteris són importants, però per a cada inversor pot ser més important un que un altre segons les seves preferències.^{1 2}

4.2. Factors impulsors de l'adopció d'inversions sostenibles

Els factors que impulsen l'adopció d'inversions sostenibles poden ser diversos.

Per començar, tenim els canvis normatius, aquests fan que les empreses cada cop hagin de seguir una normativa més estricta i exigent. Aquest fet fa que les empreses, obligatòriament, han de seguir unes normes que tenen uns objectius ambientals, socials i de governança (ASG), ja que si no compleixen la normativa obtindran una penalització.

Seguidament, tenim les pressions socials, actualment estem en un moment clau, tant en l'àmbit nacional com internacional, en què la comunitat acadèmica, els mitjans de comunicació, les empreses i la societat en general comencen a prendre consciència dels perjudicis que generen els models de producció i consum que tenim sobre el nostre planeta. Segons les prediccions de l'ONU sobre el canvi climàtic, ja no parlen de futurs llunyans, sinó que alerten sobre fenòmens que ja són aquí i sobre les greus conseqüències que podem tindre en un futur pròxim si no s'actua d'una manera adequada per a aturar-ho.

Com a resultat, s'ha demostrat que l'alliberament de contaminants o la sobreexplotació dels recursos naturals tindrà un cost concretament per a les generacions futures. Els costos socials de no prendre mesures són superiors als costos d'implementar les mesures necessàries per prevenir la degradació ambiental, per aquest motiu és de vital importància implementar mesures exigents per fer front al canvi climàtic.

Avui, més que mai, la política ambiental és un factor més que afecta les empreses, i com altres factors, pot tenir un efecte positiu o negatiu. Per aquest motiu és necessari i molt important, implementar polítiques ambientals que fomentin maneres de produir i consumir

¹ BBVA. (2024). ¿Qué son los criterios ESG ('environmental, social and governance') y por qué son importantes para los inversores?
<https://www.bbva.com/es/sostenibilidad/que-son-los-criterios-esg-environmental-social-and-governance-y-por-que-son-importantes-para-los-inversores/>

² Esade. (2020). Medi ambient, sostenibilitat i governança empresarial: Criteris bàsics per a l'inversor actual, segons experts reunits a Esade.

més netes amb menys impacte negatiu sobre el medi ambient i menys malbaratament de recursos i que al mateix temps no afecti la competitivitat de les empreses.

Per dir-ho d'una altra manera, tant la sostenibilitat com la viabilitat econòmica no han d'afectar negativament una a l'altra. És a dir, s'han de poder combinar de manera que es millori el benestar social i ambiental sense comprometre el desenvolupament de les generacions futures. Permeten un model econòmic que no afecti negativament el medi ambient.^{3 4 5}

4.3 Diferenciadors que fan atractius els productes ASG

Els diferenciadors són els factors que ens ajuden a distingir els productes ASG dels productes tradicionals, aquests diferenciadors fan més valuosos aquests productes tant per als consumidors com per als inversors. Podem trobar diferents diferenciadors. Tenim els de sostenibilitat i impacte ambiental positiu, que destaquen pel seu compromís amb la reducció de l'impacte ambiental, i la sostenibilitat a llarg termini. Dins d'aquest diferenciador podem trobar diferents àrees, com ara la reducció de la petjada de carboni, l'ús d'energies renovables en la producció, els materials reciclats o biodegradables i l'eficiència energètica i menor consum de recursos.

Un altre diferenciador és el de responsabilitat social i impacte comunitari, aquest no sols es preocupen pel medi ambient, sinó que també ho fan per l'impacte que tenen en les persones i la comunitat. Les àrees que engloben aquest diferenciador són les condicions laborals ètiques i segures, la inclusió i diversitat dins de les empreses, el suport a comunitats locals i desenvolupament social i transparència en la cadena de subministrament (evitant explotació infantil o treball forçat).

També tenim el diferenciador de bon govern corporatiu, aquest assegura que les empreses operen de manera ètica, responsable i transparent. Aquest fet garanteix la confiança dels consumidors, inversors i parts interessades. Les àrees que trobem dins d'aquest diferenciador són la transparència financera i informes d'impacte, les polítiques

³ BlackRock. (2020). Sustainable investing & MSCI ESG ratings.

⁴ University College of Estate Management. (2024). The criticism of ESG: Why is it becoming controversial?

⁵ Endesa. (2024). Què són els criteris ASG i com integrar-los en el meu negoci?

<https://www.endesa.com/es/conocenos/a201701-qu-son-els-criteris-asg-i-com-integrar-los-en-el-meu-negoci>

de lluita contra la corrupció i el frau, la participació activa dels stakeholders i la gestió de riscos.

D'altra banda, està el diferenciador que presenta les següents àrees, una major resiliència a llarg termini davant de crisis ambientals i la reducció de l'exposició a regulacions estrictes o sancions governamentals.

I finalment, un altre dels diferenciadors més importants és la possibilitat d'accedir a un finançament verd, aquest finançament és molt útil per a les empreses, ja que et permet aconseguir finançament a millors condicions per a desenvolupar iniciatives sostenibles. Dins de les àrees d'aquest diferenciador podem veure la possibilitat d'aconseguir un finançament preferent (bons verds, fons d'inversió sostenibles, bons blaus...) i els ajuts i incentius fiscals per complir amb objectius de sostenibilitat.^{6 7}

4.3.1 Demanda social i conscienciació mediambiental

“La consciència mediambiental és el coneixement i preocupació per l'impacte de les activitats humanes en el medi ambient, així com el compromís d'adoptar pràctiques més sostenibles per minimitzar aquest impacte. Aquesta consciència ha augmentat significativament en els darrers anys, impulsada per la informació sobre el canvi climàtic, la pèrdua de biodiversitat i la necessitat d'una economia més circular i responsable.”⁸

Aquesta conscienciació mediambiental té una relació directa amb la demanda d'actius sostenibles, ja que aquesta conscienciació mediambiental ha crescut els darrers anys i això ha fet que els inversors, les empreses i els consumidors prioritzin les opcions que prioritzen aquests criteris ambientals, socials i governamentals. Això ha impulsat el desenvolupament i la popularitat d'inversions verdes i productes financers sostenibles, aquest fa que es pugui veure reflectit com estem evolucionant cap a una economia més responsable i que compleixi amb els objectius de desenvolupament sostenible.

⁶ S&P Global. (2020). *What is the difference between ESG investing and socially responsible investing?*
<https://www.spglobal.com/en/research-insights/market-insights/what-is-the-difference-between-esg-investing-and-socially-responsible-investing>

⁷ Action Sustainability. (2024). *ESG and sustainability – What's the difference?*
<https://www.actionsustainability.com/resources/esg-and-sustainability-whats-the-difference/>

⁸ CAIXABANK. (2025, 01 10). *Què és la inversió sostenible i els seus criteris ASG? Tendències i oportunitats.*
<https://www.ruta67.com/ca/inversion-sostenible-criteris-asg/>

Per poder comprovar si l'evolució cap a aquesta economia més responsable continuarà tenint un creixement, s'ha fet una cerca d'estudis rellevants que donen una resposta. Així doncs, la investigació publicada a *Heliyon* (2024) posa de manifest que la producció d'energia verda no només té un impacte positiu sobre el medi ambient, sinó que també actua com un catalitzador del creixement econòmic sostenible. L'estudi demostra que els països que aposten per la inversió en energies renovables experimenten una millora en diversos indicadors econòmics i socials, com ara l'ocupació, la innovació tecnològica i la reducció de la dependència energètica. Aquestes evidències reforcen la idea que la transició cap a fonts d'energia neta no és només una resposta a la crisi climàtica, sinó també una estratègia eficaç per estimular un model de creixement més just, resilient i sostenible.

En aquest context, es pot concloure que l'evolució cap a una economia més responsable no només és una tendència impulsada per la demanda social i la conscienciació mediambiental, sinó també una necessitat estructural per garantir la sostenibilitat del desenvolupament econòmic a llarg termini. Aquesta dinàmica apunta cap a un futur en què les decisions d'inversió, les polítiques públiques i el comportament dels consumidors estaran cada vegada més alineats amb els principis de sostenibilitat i responsabilitat global.⁹

⁹ Singh, D. (2023). *El nuevo enfoque del ESG en 2023*. RankiaPro. <https://rankiapro.com/es/insights/nuevo-enfoque-esg/>

5. MARC PRÀCTIC: Els bons blaus com alternativa sostenible

5.1 Definició i característiques

Avui en dia la societat està més conscienciada amb la cura del medi ambient i la protecció del planeta. L'inici d'aquesta conscienciació fou protagonitzada pels consumidors i seguidament per les empreses, participant en iniciatives i plans de negoci focalitzats en la sostenibilitat.

Aquest interès ha fet que les activitats econòmiques es classifiquin en funció del seu impacte ambiental. Això també ha despertat l'interès dels inversors que volen incorporar principis ambientals i ètics a les seves carteres.

A causa de tot aquest moviment, el sector financer ha facilitat l'alliberament de bons amb objectius ambientals i socials, com són els bons verds i bons blaus.

Els bons blaus tenen com a objectiu protegir els mars del planeta, és a dir, quan una empresa emet un bo blau significa que els diners recaptats a través d'aquests bons es destinen al desenvolupament sostenible dels recursos oceànics, que al mateix temps és un dels principals Objectius de Desenvolupament Sostenible (ODS).

També, per a emetre un bo blau, s'ha de seguir una guia pràctica, desenvolupada pel Pacte Mundial de les Nacions Unides a finals del 2020. Aquest document recull les millors pràctiques i models a seguir per a aquells els quals volen emetre un bo blau i que al mateix temps segueixin una estratègia de sostenibilitat que contribueixi a la preservació dels oceans. L'emissió d'aquests bons integren un conjunt d'activitats orientades a aconseguir aquests objectius.

La preservació dels recursos oceànics, és un dels principals objectius dels bons blaus. L'oceà, que cobreix el 70% de la superfície terrestre i genera més de la meitat de l'oxigen del planeta, ha arribat a un estat de degradació que requereix urgentment prendre mesures reguladores.

Amb aquesta visió, l'any 2018 es va produir la primera emissió dels bons blaus, impulsada per la República de Seychelles per un valor d'uns 13 milions d'euros. Aquesta iniciativa tenia com a finalitat protegir les 115 illes del país. L'emissió va comptar amb el suport d'entitats inversores com el Fons per al Medi Ambient Mundial i el Banc Mundial.

El setembre del 2020, el Banc de la Xina es va convertir en el primer emissor de bons blaus al continent asiàtic. La seva intenció era finançar iniciatives destinades a la protecció dels oceans, realitzant d'aquesta manera una proposta d'aproximadament 773 milions d'euros.

Una altra iniciativa vinculada als bons blaus és la millora en la gestió i el tractament dels recursos hídrics. Aquesta acció es vincula amb l'Objectiu de Desenvolupament Sostenible (ODS) número 6, que té com a objectiu millorar la qualitat de l'aigua i el seu sanejament, reduint la contaminació, disminuint l'emissió de productes químics i materials perillosos i eliminant abocaments. Amb aquest propòsit, l'any 2019 es va produir la segona emissió de bons blaus, aquesta vegada a Europa. El Nordic Investment Bank (NIB) va llançar al mercat 2.000 milions de corones sueques en bons blaus, equivalents a aproximadament 200 milions d'euros. Aquest fet va contribuir al finançament de programes per millorar la gestió de l'aigua a la regió escandinava, incloent-hi les millores amb el tractament de residus i la prevenció de la contaminació de l'aigua.

Una altra àrea en què actuen els bons blaus és la contaminació dels mars. Cada any, unes 8 milions de tones de plàstic acaben als oceans, posant en perill tant la biodiversitat marina com la salut humana. Si no es pren consciència i mesures per tal de frenar aquest problema, es preveu que sobre l'any 2050 hi hagi més plàstic que peixos als oceans. Per aquest motiu, l'abril del 2019, Morgan Stanley i el Banc Mundial van emetre bons conjuntament valorats en més de 8,5 milions d'euros amb l'objectiu de fer front a la gran problemàtica dels residus plàstics que estan als nostres oceans.

També, un altre punt en què actuen els bons blaus, és l'aqüicultura. Actualment, prop del 50% del peix consumit arreu del món prové de l'aqüicultura. A causa de la pesca a gran escala, el FAO, va establir un Codi Internacional de Conducta per a la Pesca Responsable, que conté les normes i principis per a la conservació, gestió i desenvolupament de les pesqueries. Aquest codi inclou la protecció de la diversitat genètica, l'elaboració de plans per al seu desenvolupament, no dificultar l'accés local a la pesca, la prevenció d'impactes negatius sobre el medi ambient, la preservació dels ecosistemes aquàtics i la promoció de tècniques de cultiu d'espècies en perill d'extinció. Per aquest motiu, l'any 2020 l'empresa noruega Mowi, líder mundial en la producció de salmó atlàntic, va emetre bons blaus per un valor de 200 milions d'euros, que fou destinada a finançar activitats d'aqüicultura sostenibles.

Gràfic 1. Evolució de les cotitzacions del Sol Blue Index



Font pròpia elaborada a partir de dades de Market Screener. (Disponible a l'Annex 2 a la pàgina DADES_GENERALS)

Aquestes primeres iniciatives només són l'inici d'un mercat en expansió, el dels bons blaus, que engloben sectors com el transport marítim, la construcció naval, l'ecoturisme de costa, les energies renovables marines i la biotecnologia oceànica.

Segons l'OCDE, l'economia blava suposa el 2,5% del PIB global i es preveu que per a l'any 2030 es dupliqui el seu volum fins als tres bilions de dòlars.¹⁰

¹⁰ CaixaBank. (2022). Blue bonds, l'última innovació ecològica del mercat financer. <https://blog.caixabank.es/blogcaixabank/ca/blue-bonds-lultima-innovacio-ecologica-del-mercat-financer/>

5.2 Emissors i sectors beneficiats

Podem trobar diferents emissors de bons blaus, ja que poden ser tant entitats governamentals com entitats privades, així doncs tenim diferents exemples començant el 2018 amb el primer bo blau que emet el govern de les illes Seychelles per a finançar la pesca sostenible i la conservació marina. Més exemples de bons blaus emesos per governs i estats són el que emet Belice el 2021 per reestructurar la seva deuda amb un bo blau a canvi de compromisos de protecció marina o el de l'Equador a l'any 2022 que va treure al mercat uns bons blaus amb col·laboració amb El Banc Interamericà de Desenvolupament (BID) per protegir les illes Galápagos.

Uns altres emissors també són els Bancs de Desenvolupament i els Organismes Internacionals com per exemple el Banc Mundial que dona suport als països en el disseny i l'emissió de bons blaus, també com s'ha esmentat en l'exemple de les illes Galápagos, el Banc Interamericà de Desenvolupament (BID) ha treballat en l'estructuració dels bons blaus a l'Amèrica llatina. Un altre exemple és el Banc Europeu d'Inversions (BEI) que finança projectes d'economia blava a Europa i Àfrica. A més d'aquests els bancs comercials també són emissors de bons blaus com és el cas de HSBC i Credit Suisse que han participat en l'estructuració i finançament de bons blaus en mercats emergents.

I finalment com a emissors també tenim les empreses privades i corporacions com ara les empreses pesqueres sostenibles que emeten bons blaus per finançar pràctiques responsables, les companyies d'energies renovables marines com parcs eòlics marins i energia mareomotriu i també tenim la indústria del turisme sostenible com ara resorts i operadors turístics que busquen minimitzar el seu impacte ambiental en zones costaneres.

Hi ha un gran grup de sectors que es poden beneficiar d'aquests bons blaus i aquests es poden dividir en cinc grans grups. El primer a destacar és el sector de la conservació marina i la biodiversitat, ja que els bons blaus promouen la protecció dels esculls de coral, els manglars i els ecosistemes marins i també fomenten la restauració dels hàbitats costaners per a prevenir erosions i mitigar el canvi climàtic. El segon sector és el de la pesca sostenible i aquicultura, ja que els bons blaus són una gran ajuda en la implementació de regulacions pesqueres sostenibles, també afavoreixen el desenvolupament de tecnologies per a reduir la sobreexplotació com ara la sobrepesca, i promouen la certificació de pesca sostenible.

Un altre sector beneficiat és el de les energies renovables marines, ja que encoratgen a reduir la dependència de combustibles fòssils en comunitats costaneres. El quart gran sector que aquests bons beneficien és el de la infraestructura costanera sostenible, ajudant en la construcció de ports eòlics amb menor impacte ambiental i fomentant el desenvolupament de sistemes de sanejament i gestió de residus en zones costaneres. I finalment l'últim sector que surt directament beneficiat és el turisme sostenible, ja que aquests bons afavoreixen a projectes que tenen com a finalitat reduir l'impacte del turisme en els esculls i platges i al mateix temps també beneficien els programes d'ecoturisme i d'educació ambiental.

En definitiva, els bons blaus han estat emesos principalment per governs, bancs de desenvolupament i empreses privades, amb l'objectiu de beneficiar sectors clau com la conservació marina, la pesca sostenible, les energies renovables i el turisme sostenible. El seu èxit depèn d'una estructura financera ben dissenyada i del compromís dels emissors amb la protecció dels oceans.^{11 12 13}

5.3 Percepció de la societat dels bons blaus

Un aspecte molt important, és saber per què aquests bons blaus no són gaire populars entre la població com podrien ser els bons governamentals tradicionals. Per realitzar aquest apartat s'ha realitzat una enquesta a estudiants universitaris de la facultat d'Economia i Empresa de l'últim any i a graduats i professionals en l'àmbit econòmic, s'agafarà per treure les conclusions una mostra que és de 101 persones. Amb el coneixement adquirit durant el temps que hem estat realitzant el grau de Finances i Comptabilitat, s'ha realitzat l'enquesta pensant que el principal problema que tenen els bons blaus comparats en bons tradicionals és la desinformació que hi ha al respecte, i l'enquesta s'ha dirigit en aquesta direcció.

¹¹ Santander. (2023). *Bonos azules: el valor de conservar los ecosistemas marinos*.

<https://www.santander.com/es/stories/bonos-azules>

¹² SAGE Journals. (2024). Erratum to State capacity and the 'value' of sustainable finance: Understanding the state-mediated rent and value production through the Seychelles blue bonds.

<https://journals.sagepub.com/doi/10.1177/0308518X241246629>

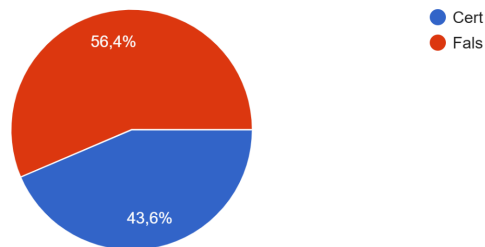
¹³ Green Finance LAC. (2021). El primer bono azul en Latinoamérica emitido por el BID Invest.

<https://greenfinancelac.org/es/recursos/novedades/el-primer-bono-azul-en-latinoamerica-emitido-por-el-bid-invest/>

Per començar la primera pregunta que s'ha fet a la nostra enquesta sobre els actius ASG que podem extrapolar als bons blaus és la següent:

Gràfic 2. Percepció de la rendibilitat dels actius ASG.

Els productes financers amb finalitats ambientals, socials i governamentals ofereixen una rendibilitat menor.
101 respostes



Font pròpia elaborada a partir de dades de les dades de l'enquesta (Disponible a l'Annex 4).

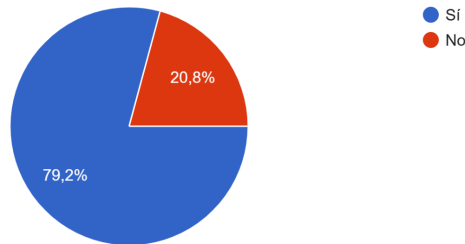
D'aquesta pregunta i les respectives respostes, podem concloure que els graduats i els futurs graduats en l'àmbit econòmic no es posen d'acord amb si els actius ASG ofereixen una rendibilitat inferior a la dels actius tradicionals. Els actius ASG, en general, no tenen una rendibilitat inferior als tradicionals. Els resultats són clars, i gairebé un 45% de persones que cada dia o gairebé cada dia tracten temes relacionats afirma que sí que tenen una rendibilitat inferior.

Després d'aquesta qüestió es va decidir anar el gra i preguntar directament si la gent tenia coneixement de l'existència dels bons blaus on el resultat ens ha sorprès negativament, ja que un 72,3% no sap el que són ni han sentit a parlar dels bons blaus.

Seguidament s'ha realitzat la següent pregunta:

Gràfic 3. Percepció de la importància dels bons blaus.

Creus que és important que hi hagi bons amb una finalitat de preservar l'ecosistema marí?
101 respostes

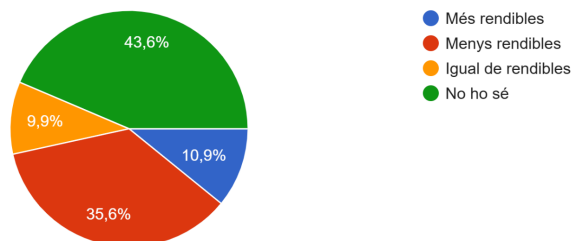


Font pròpia elaborada a partir de dades de les dades de l'enquesta (Disponible a l'Annex 4).

Aquesta pregunta s'ha realitzat amb la finalitat de saber si la població està prou conscienciada de la importància de realitzar pràctiques amb la finalitat de conservar el planeta, i les respostes han evidenciat un clar pensament de la gent sobre que és molt important en aquest cas preservar l'ecosistema marí amb gairebé un 80% de respostes positives. Tot seguit, es va preguntar el següent:

Gràfic 4. Rendibilitat associada als bons blaus.

En termes de rendibilitat, com creus que es comparen els bons blaus amb accions de grans empreses?
101 respostes



Font pròpia elaborada a partir de dades de les dades de l'enquesta (Disponible a l'Annex 4).

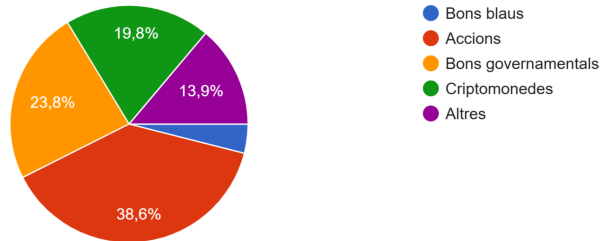
En aquesta pregunta es pot evidenciar una gran manca d'informació sobre els bons blaus, ja que l'opció preferida dels enquestats ha estat que no saben com es comporten els bons blaus en comparació amb els actius tradicionals.

La següent pregunta que es va realitzar és la següent:

Gràfic 5. Actius més ben considerats a l'hora d'invertir.

Si haguessis d'invertir, quina preferència tindries entre aquests actius?

101 respostes



Font pròpia elaborada a partir de dades de les dades de l'enquesta. (Disponible a l'Annex 4).

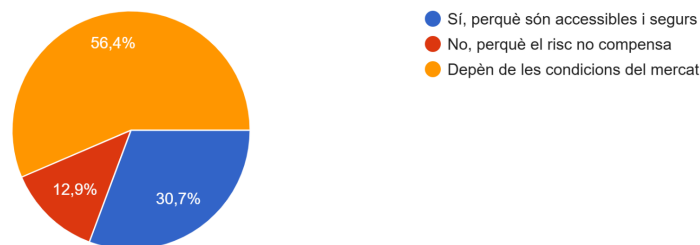
Aquesta pregunta coincideix amb els resultats de la pregunta anterior, ja que si les persones de la nostra mostra no saben amb exactitud com funcionen els bons blaus, aquests no suposaran una part representativa en els actius preferits per invertir d'aquestes persones.

Per a la següent pregunta, es va tenir en compte com veuen aquests bons els petits inversors:

Gràfic 6. Percepció de l'adequació dels bons blaus per als petits inversors.

Creus que els bons blaus poden ser una bona opció per a petits inversors?

101 respostes

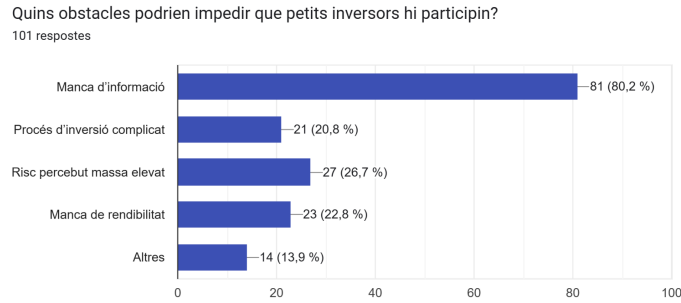


Font pròpia elaborada a partir de dades de les dades de l'enquesta (Disponible a l'Annex 4).

Aquesta resposta no ha sortit com esperàvem, ja que amb relació a les respostes anteriors l'opció que predomina és la que evidencia el desconeixement sobre aquests bons.

També es va fer alguna pregunta pensant en què la mostra enquestada no tingués el coneixement amb exactitud de què són els bons blaus:

Gràfic 7. Obstacles que impedeixen als petits inversors invertir en els bons blaus.



Font pròpia elaborada a partir de dades de les dades de l'enquesta (Disponible a l'Annex 4).

I la majoria d'estudiants relacionats amb l'àmbit econòmic i els treballadors d'aquest àmbit pensen que el principal obstacle que impedeix que els petits inversors participin és la manca d'informació.

I finalment, l'última pregunta ha estat la següent:

Gràfic 8. Intenció d'inversió en bons blaus.



Font pròpia elaborada a partir de dades de les dades de l'enquesta (Disponible a l'Annex 4).

On podem veure que el pensament generalitzat de la mostra ha estat que no descarten invertir en aquests productes financers, només es necessita més informació sobre els bons blaus.

5.4 Impacte dels bons blaus en la sostenibilitat marina

Actualment, només un 8% dels oceans de tot el planeta són zones protegides, i d'aquestes, solament el 3% compten amb una protecció estricta. Aquesta realitat posa en risc la capacitat dels oceans per a regular el clima i la biodiversitat marina. Per aquest motiu l'ONU s'ha compromès a protegir fins al 30% dels oceans per al 2030. Del 2021 al 2030 és el Decenni dels Oceans, i es busquen solucions per tal de disminuir els impactes de la crisi climàtica, la contaminació i la sobrepesca.

La importància dels oceans tant per al planeta Terra com per als humans fa que haguéssim de tenir en compte ara més que mai tot el que ens aporten i signifiquen. Els oceans engloben el 70% de la superfície terrestre, produeixen el 50% de l'oxigen del planeta, i al mateix temps retenen el 26% del CO₂ que emeten les activitats humanes. A més a més, aproximadament 3.000 milions de persones depenen de la seva diversitat biològica per viure i alimentar-se. Per aquestes raons, cal fer èmfasi amb els reptes com l'escalfament global, la contaminació causada majoritàriament per plàstics i la pèrdua de biodiversitat.

L'escalfament global fa referència a l'augment de la temperatura de l'aigua. Aquest fet afecta a quasi tots els organismes marins, provocant inclús la mort d'alguns d'ells, com per exemple els coralls. Si els coralls s'extingeixen, podria suposar la mort i extinció de moltes altres espècies marines, ja que aproximadament el 25% de la vida marina depèn dels coralls. L'any 2050 si no fem res per a aturar-ho, podrien haver desaparegut el 90% dels esculls de corall. A més, segons un estudi de l'ICM-CSIC al Mediterrani, a conseqüència de les dures onades de calor marines dels últims anys, s'han mort massivament fins a 50 espècies.

La contaminació engloba tots els residus químics generats per les zones urbanes i l'agricultura, juntament amb altres tòxics que acaben diàriament als mars, on l'excessiva urbanització costanera ha provocat la desaparició de nombrosos hàbitats costaners. A més, des de l'any 1967, a causa d'accidents de vaixells de càrrega, han descarregat aproximadament 6 milions de tones de petroli al mar. També, cada any fan cap a l'oceà aproximadament unes 8,7 milions de tones de plàstics de mitjana (segons un estudi realitzat a la Universitat de Geòrgia del 2015, entre 4,8 i 12,7 milions de tones a l'any). Els plàstics que l'ésser humà llença als oceans han causat impactes perjudicials demostrats en 700 espècies marines.

La pèrdua de la biodiversitat, és provocada majoritàriament per pesca massiva de les espècies de peixos, ja que no permet a les espècies reproduir-se al mateix ritme que la seva pesca per a garantir la seva supervivència. Segons la FAO, el 92,4% de les espècies marines estan en situació de sobreexplotació. La pesca d'arrossegament és la més emprada en l'àmbit mundial i al mateix temps la més perjudicial. Les grans xarxes destrueixen tot el que es troben al seu pas, remouen el fons marí i alliberen el CO₂ que conté. A més, com que no són selectives, la major part de les seves captures, en alguns casos fins al 70%, es descarta i es torna al mar sense vida. Provocant la pèrdua de 437 milions de tones de peix en els darrers seixanta-cinc anys.

Per tots aquests motius, necessitem salvar urgentment els ecosistemes marins. Des de diversos àmbits s'estan efectuant petites operacions de rescat. Entre elles, la prohibició dels subsidis a la pesca en l'alta mar no regulada, a la pesca d'espècies de manera excessiva i a la pesca il·legal per l'Organització Mundial del Comerç (OMC) el juny del 2022, l'Objectiu 30x30 del desembre de 2022 de protegir el 30% dels oceans el 2030, l'acord del Tractat dels Oceans signat el setembre de 2023 amb l'objectiu de preservar la biodiversitat més enllà dels límits de les jurisdiccions estatals, la Conferència dels Oceans l'abril de 2024 on la comunitat científica es reuneix a Barcelona per discutir alternatives tecnològiques i estratègiques per a la preservació dels oceans, i un tractat contra els plàstics a finals del 2024 amb l'objectiu de prohibir la contaminació per plàstics.

A més de totes aquestes operacions de rescat, l'any 2018, amb l'objectiu de solucionar tots aquests problemes relacionats amb l'ecosistema marí, sorgeix el primer bo blau. "Els bons blaus són emissions de deute destinades a finançar projectes relacionats amb la conservació i protecció dels ecosistemes marins". Aquests poden ser emesos per empreses, entitats financeres o entitats governamentals que desitgin destinar els fons cap a iniciatives vinculades amb els oceans i mars. Per aquest motiu, aquests bons representen una gran oportunitat perquè el capital privat s'involucri donant suport a l'economia blava. Els bons blaus van sorgir amb la finalitat de ser un instrument financer per salvar el planeta. Durant el marc de la Conferència sobre els Oceans de les Nacions Unides, que va tenir lloc a Lisboa, la FAO va presentar el 29 de juny l'informe titulat "L'Estat Mundial de la Pesca i l'Aqüicultura", o més conegut com a SOFIA. En aquest document es recalca la importància de millorar les infraestructures, impulsar la innovació tecnològica i fomentar els mecanismes d'inversió blava, en concret els bons blaus. Tal com va recalcar durant la conferència el secretari general de les Nacions Unides, António



Guterres, la vida depèn dels oceans. Protegir-los significa garantir el nostre futur. I en aquest sentit, el sistema financer a través dels bons blaus, disposa d'una oportunitat única per afavorir a aquest repte crucial.¹⁴

¹⁴ Sánchez, S. (2024). *Com salvarem els oceans*. *Interactius Ara.cat*. <https://interactius.ara.cat/com-salvarem-els-oceans>

6. Riscos i rendiments en la inversió sostenible

6.1 Beneficis dels actius ASG per a inversors particulars

Són molts els beneficis que podem trobar amb els actius ASG per a inversors particulars, a part de la rendibilitat financera hi ha molts altres beneficis que aporten aquests actius. Un dels que aquest treball considera més importants, és l'estabilitat a llarg termini, ja que les empreses amb bones pràctiques ASG tendeix a tenir menys riscos reguladors, reputacionals i operatius, això les fa més estables amb el temps. També sabem que la gestió responsable dels recursos i la transparència en el govern corporatiu fa tenir una menor volatilitat de les accions i actius associats.

Un altre dels beneficis més importants és el menor risc i la protecció davant de les crisis, les empreses sostenibles estan millor preparades per afrontar crisis econòmiques, mediambientals i socials, ja que la seva gestió de riscos és més sòlida.

També un benefici important és que aquests actius tenen una rendibilitat molt competitiva, pel fet que els seus rendiments solen ser similars als dels actius tradicionals inclús en alguns casos superiors gràcies a una orientació cap a sectors en creixement i en una millor gestió de riscos. La clau en aquest punt és la selecció d'empreses amb bones pràctiques ASG, ja que pot portar a millors resultats financers per als inversors.

Altres beneficis per a inversors particulars també poden ser l'accés a empreses amb visió de futur, l'impacte positiu i l'alineació amb els valors personals o la millor governança i transparència, perquè aquest últim pot comportar una major confiança i protecció per als inversors.

6.2 Anàlisi empírica dels rendiments d'actius ASG

Per tal de realitzar l'anàlisi empírica dels rendiments de manera correcta i al mateix moment capaç de donar una resposta adient als objectius del treball, s'ha procedit a calcular una sèrie d'indicadors en concret. Aquests indicadors són la rendibilitat mitjana, aquesta es calcula sumant totes les rendibilitats efectives diàries i dividint-ho pel nombre de dades, sent essencial per mesurar diferents inversions, ja que en mesura la rendibilitat mitjana d'un actiu. Seguidament, tenim la mediana, aquesta és el valor central que es

troba ordenant les dades en sentit creixent, aquest valor central ofereix una informació valuosa per a l'inversor, ja que indica que la meitat dels dies de l'any, la rendibilitat efectiva diària ha estat per sota d'aquest valor i l'altra meitat per damunt d'aquest valor. Després, tenim la desviació estàndard o també coneguda com la volatilitat d'un actiu, aquesta mai podrà ser negativa i es calcula fent la diferència entre cada valor i la mitjana, s'eleva al quadrat cada diferència, se sumen tots aquests valors elevats, es divideix el resultat entre el nombre total de valors i es realitza l'arrel quadrada, permeten d'aquesta manera aconseguir un resultat el qual indica el nivell de risc, és a dir, com més alt sigui aquest resultat, més nerviós es considera l'actiu i més incertesa hi ha en els rendiments de l'actiu analitzat. Tot seguit, analitzem la variància, aquesta es calcula elevant al quadrat la desviació estàndard, si hi ha dades molt per dalt o molt per sota de la mitjana, s'obté una elevada variància, fet que significa que la mitjana seria poc representativa, és a dir, com més gran sigui el valor obtingut, més incertesa i, per tant, més risc associat. Finalment, es calcula el coeficient d'asimetria, aquest mesura el grau d'asimetria respecte a la mitjana i serveix per entendre el tipus de risc, ja que és possible que dos actius diferents tinguin una mitjana similar, però diferent asimetria, indicant que hi ha un major risc de caigudes sobtades, és a dir, de rendibilitats molt negatives, que de pujades extremes. En el cas que la asimetria fos positiva, indica que hi ha dies puntuals amb guanys molt alts i que les pèrdues són relativament moderades.

Per a dur a terme l'anàlisi empírica dels rendiments d'actius ASG de renda variable s'ha escollit com a mostra l'índex TFSE4Good IBEX, s'ha escollit aquest índex ja que "aquest és un índex de referència que recull empreses de l'IBEX 35 que compleixen amb rigorosos criteris ambientals, socials i de governança (ASG). Aquest índex, desenvolupat per FTSE Russell, té com a objectiu facilitar la inversió responsable, identificant aquelles empreses que adopten pràctiques sostenibles i responsables. D'aquesta manera, els inversors poden optar per incloure en les seves carteres actius que no només ofereixen rendiments financers, sinó que també contribueixen positivament a la societat i al medi ambient"¹⁵, les dades han estat extretes d'Investing i de Market Screener.¹⁶

¹⁵ OpenAI, 2025

¹⁶ Investing.com, 2025

Taules 1. Rendibilitats i mesures d'estadística descriptiva.

| FTSE4Good IBEX | |
|---------------------------|------------|
| Media | 0,0002366 |
| Error típic | 0,0003635 |
| Mediana | 0,0007322 |
| Moda | 0 |
| Desviación estándar | 1,302% |
| Varianza de la muestra | 0,0001696 |
| Curtosis | 16,396592 |
| Coefficiente de asimetría | -1,1025771 |
| Rango | 0,2319886 |
| Mínimo | -0,1410482 |
| Máximo | 0,0909404 |
| Suma | 0,3037552 |
| Cuenta | 1284 |

Fons pròpia elaborades a partir de dades d'investing. (Disponible a l'Annex 1 a la pàgina ESTAD. DESCRIPTIVA I HISTOGRAMA)

La rendibilitat mitjana diària és de 0,02366%, la qual cosa indica un rendiment lleugerament positiu, mentre que la mediana, de 0,07322%, és superior i reflecteix una distribució potencialment esbiaixada cap a la banda negativa. El coeficient d'asimetria (-1,1025771) confirma aquesta inclinació a l'esquerra, i la curtosi (16,396592) mostra unes cues significativament més gruixudes que les d'una distribució normal, fet que implica la possibilitat de rendiments extrems amb més freqüència de l'esperada. Pel que fa a la dispersió, la desviació estàndard (1,302%) evidencia una volatilitat moderada-alta, i el rang (0,231988) recull la diferència entre la pèrdua màxima (-14,10%) i el guany màxim (+9,09%) registrats en el període. L'error típic (0,0003635) reflecteix la incertesa associada a l'estimació de la mitjana, i la variància (0,0001696) confirma la magnitud de la variabilitat de les rendibilitats. En conjunt, l'índex presenta un rendiment mitjà positiu, però amb una distribució clarament no normal, atès que mostra tant una asimetria negativa com una elevada curtosi. Aquestes característiques són especialment rellevants per a la gestió del risc i la presa de decisions d'inversió, ja que apunten a la possibilitat de caigudes sobtades i a un nombre més elevat d'esdeveniments extrems en comparació amb una distribució normal. També a pesar de l'anàlisi estrictament dels números s'ha de tindre en compte que durant els anys 2020 i 2021 encara s'estaven patint les conseqüències de la Covid-19, això ha alterat paràmetres com la volatilitat que ha estat més elevada del que seria en condicions no tan extraordinàries, fet que encaixa amb els indicadors de dispersió i la presència de rendiments extrems observats.

Per a realitzar l'anàlisi empírica dels rendiments d'actius ASG de renda fixa s'han agafat les cotitzacions del Sol Blue Bonds Index que comença al juliol del 2023, ja que no s'han trobat més cotitzacions dels bons blaus.

Taula 2. Mesures d'estadística descriptiva de l'índex Sol Blue Bonds.

| | RENT EFECT DIÀRIA | RENDIBILITAT ACUMULADA |
|-------------------------|-------------------|------------------------|
| MITJANA | 0,0282% | 10,51% |
| MEDIANA | 0,008% | |
| MÀXIM | 1,16% | |
| MÍNIM | -1,026% | |
| RECORREGUT | 2,185% | |
| VARIÀNCIA | 0,00112% | |
| DESVIACIÓ TÍPICA | 0,335% | |
| COEF DE VARIACIÓ | 11,90 | |
| VOLATILITAT ANUALITZADA | 0,0537 | |
| COEF D'ASSIMETRIA | 0,096 | |

Font pròpia elaborada a partir de dades de Market Screener. (Disponible a l'Annex 2 a la pàgina DADES_GENERALS)

La rendibilitat mitjana diària és de 0,02816%, la qual cosa indica un rendiment lleugerament positiu, mentre que la mediana, de 0,00775%, és inferior i reflecteix una distribució lleugerament esbiaixada cap a la banda positiva. El coeficient d'asimetria 0,0967 confirma aquesta inclinació a la dreta.

Pel que fa a la dispersió, la desviació estàndard (0,3356%) reflecteix una volatilitat moderada, i el rang (2,19%) recull la diferència entre la pèrdua màxima (-1,03%) i el guany màxim (+1,16%) registrats en el període. La variància (0,0001126) confirma la magnitud moderada de la variabilitat de les rendibilitats.

En conjunt, l'índex presenta un rendiment mitjà positiu i estable, amb una distribució pròxima a la normalitat (asimetria propera a zero i curtosi inferior a 3). A més, obtenim una rendibilitat anualitzada del 10,51%, un resultat positiu i rellevant en el context de les inversions sostenibles.

Aquestes característiques suggereixen un índex relativament estable, amb baixa presència de rendiments extrems, fet que pot ser favorable per a inversors que busquen una exposició ASG amb menor volatilitat. Tot i això, caldria analitzar també el context macroeconòmic del període, especialment factors com la política monetària, inflació o esdeveniments puntuals, que poden haver influït en la dinàmica de les rendibilitats.

6.2.1 Comparativa amb actius tradicionals de renda variable

Per a realitzar la comparativa dels rendiments dels actius ASG, s'han decidit utilitzar els coneixements adquirits en l'assignatura d'Anàlisi de Dades impartida a la universitat, i s'han calculat les rendibilitats efectives diàries de FTSE4Good IBEX que s'ha escollit d'exemple com a actiu ASG i també per poder comparar-ho amb actius tradicionals s'ha escollit l'equivalent que és l'IBEX 35. Per fer aquesta anàlisi s'han tret les dades de la pàgina web d'Investing. A partir de les cotitzacions d'aquests dos índex dels anys 2020,2021,2022,2023 i 2024 s'han calculat les rendibilitats efectives diàries per a cadascun a partir de la fórmula (Cotització del mateix dia - Cotització dia anterior) / Cotització dia anterior. A partir d'aquestes dades s'han calculat les rendibilitats anualitzades i les rendibilitats acumulades, per saber quin dels dos índexs ha crescut més i com s'ha distribuït aquest creixement per anys.

Taula 3. Anàlisi de les rendibilitats.

| RENDIBILITATS ANUALS | | |
|--------------------------|---------|----------------|
| | IBEX 35 | FTSE4Good IBEX |
| 2020 | -16,69% | -15,35% |
| 2021 | 7,43% | 9,89% |
| 2022 | -5,56% | -5,09% |
| 2023 | 22,76% | 21,13% |
| 2024 | 14,78% | 13,20% |
| RENDIBILITATS ACUMULADES | | |
| | IBEX 35 | FTSE4Good IBEX |
| | 28,94% | 30,38% |

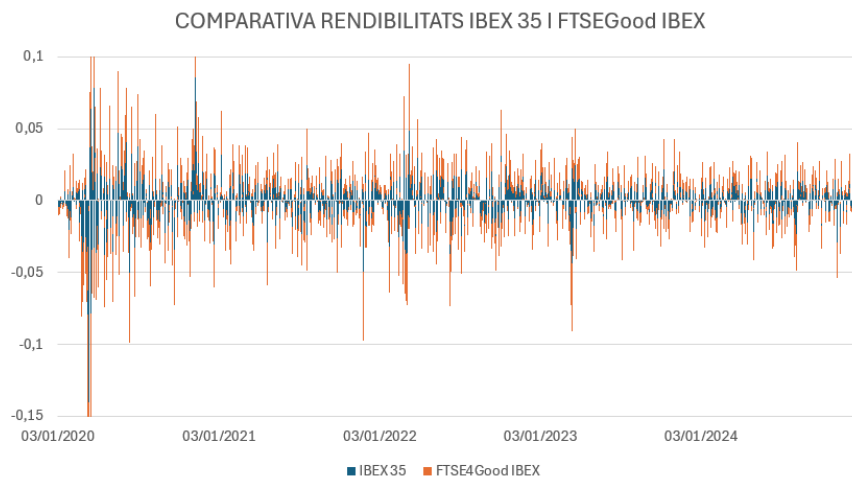
Font pròpia elaborada a partir de dades d'Investing. (Disponible a l'Annex 1 a la pàgina RENDIBILITATS)

Com es pot veure als resultats d'aquest treball, el 2020 els dos índexs van tancar amb rendibilitats negatives l'Ibex-35 de -16,69% i FTSE4Good Ibex de -15,35%, tot i que les dues rendibilitats són negatives la caiguda de FTSE4Good Ibex va ser menor. El 2021 els dos índexs van remuntar una mica, però la pujada del FTSE4Good Ibex va ser major amb una rendibilitat del 9,89% comparada amb la rendibilitat del 7,43% de l'Ibex-35. El 2022 els dos índexs van tornar a experimentar caigudes, però la del FTSE4Good Ibex va tornar a ser menor amb una rendibilitat de -5,09% comparada a la rendibilitat del -5,56% de l'Ibex-35. El 2023 i el 2024 els dos índexs va tindre fortes pujades, però sempre amb l'Ibex-35 al capdavant amb rendibilitats del 22,76% el 2023 i 14,78% el 2024, FTSE4Good

Ibex no es va quedar molt lluny, ja que les pujades van ser grans amb unes rendibilitats del 21,13% el 2023 i 13,20% el 2024.

Com també podem veure en les rendibilitats acumulades dels cinc anys, FTSE4Good Ibex té una rendibilitat acumulada superior amb un 30,38% respecte al 28,94% de l'Ibex-35, això implica que, si algú hagués invertit la mateixa quantitat en tots dos índexs al principi del període, acabaria obtenint un valor final més elevat invertint en FTSE4Good Ibex.

Gràfic 9. Comparativa de les rendibilitats de l'IBEX 35 i el FTSEGood IBEX.



Font pròpia elaborada a partir de dades d'Investing. (Disponible a l'Annex 1 a la pàgina RENDIBILITATS)

Com podem veure els dos actius es mouen dintre de resultats molt semblants, s'ha calculat el coeficient de correlació i és d'un 0,9944, això vol dir que els dos actius es mouen gairebé de manera perfecta i en la mateixa direcció. És a dir, quan el valor d'un augmenta, l'altre també tendeix a augmentar de forma similar, i quan disminueix, l'altre sol disminuir en la mateixa mesura. Aquesta alta correlació indica que els moviments dels preus dels dos actius estan molt lligats.

Amb aquesta anàlisi podem concloure que durant els últims cinc anys des que tenim dades, les rendibilitats entre FTSE4Good Ibex i l'Ibex-35 són molt similars, però lleugerament superiors per a FTSE4Good Ibex, amb això podem veure com les rendibilitats dels actius ASG no tenen res envejar de les dels actius tradicionals, inclús poden ser superiors.

6.2.2 Comparativa amb actius tradicionals de renda fixa

Per a comparar els bons blaus amb els bons tradicionals, en aquest treball s'ha escollit com a bo tradicional el bo alemany, en concret el Germany 10-Year Bond Yield. Per tal de realitzar l'estudi de la manera més adient, s'ha escollit comprar aquests dos tipus de bons durant dos anys consecutius i els anys que més poden representar l'actualitat, 2023 i 2024, ja que com bé es pot observar a l'estudi, els bons blaus són un producte financer molt actual i l'Índex Sol Blue Bonds va sorgir l'any 2023, i per tant no tenim dades més enllà que les dels anys 2023 i 2024.

Taula 4. Mesures d'estadística descriptiva del Bo Alemany

| | RENT EFECT DIÀRIA | RENDIBILITAT ACUMULADA |
|-------------------------|-------------------|------------------------|
| MITJANA | -0,0304% | -3,79% |
| MEDIANA | 0,0325% | |
| MÀXIM | 4,83% | |
| MÍNIM | -5,770% | |
| RECORREGUT | 10,598% | |
| VARIÀNCIA | 0,0406% | |
| DESVIACIÓ TÍPICA | 2,015% | |
| COEF DE VARIACIÓ | 66,36126 | |
| VOLATILITAT ANUALITZADA | 0,323 | |
| COEF D'ASSIMETRIA | -0,1824 | |

Font pròpia elaborada a partir de dades d'investing. (Disponible a l'Annex 3 a la pàgina GENERAL)

Primerament, el resultat més atractiu per a la població és quin actiu ha sigut més rendible en el mateix període de temps, és a dir, quin ha crescut més. I la rendibilitat acumulada per al mateix període ha estat de 10,51%, en canvi, el bo alemany ha perdut valor amb una rendibilitat acumulada del -3,79%.

En relació amb els bons blaus, la rendibilitat mitjana diària de l'índex Sol Blue Bonds és de 0,02816%, un rendiment lleugerament positiu. Això contrasta amb el bo alemany, on la mitjana de rendibilitat és de -0,0304%, que comparada amb la dels actius de l'índex Sol Blue Bonds és una mitjana força pobre.

Pel que fa a la mediana, els bons blaus presenten una mediana de 0,00775%, que reflecteix una distribució lleugerament esbiaixada cap a la banda positiva. Bastant similar amb la mediana del bo alemany, que per al mateix període va ser de 0,0968%.

En segon lloc, s'han calculat mesures de posició com són el recorregut, la variància, la desviació típica diària i anualitzada i el coeficient de variació, tot sempre a partir de les rendibilitats efectives diàries de l'actiu. El recorregut dels bons blaus va ser de 2,19%, amb una pèrdua màxima de -1,03% i un guany màxim de +1,16%. En canvi, el bo alemany va mostrar una volatilitat més alta, amb un recorregut més ampli que pot reflectir valors de rendiment més extrems. Amb un recorregut de 10,598%, amb una pèrdua màxima de -5,770% i un guany màxim de 4,83%.

La desviació estàndard dels bons blaus és de 0,3356%, reflectint una volatilitat moderada, mentre que la volatilitat diària dels bons alemanys és més alta amb una desviació estàndard de 2,015% on es pot veure una volatilitat molt més alta.

Pel que fa al coeficient de variació, el valor obtingut pels bons blaus és 11,90. Aquest coeficient és una mesura normalitzada de la dispersió, on un valor més alt implica més dispersió respecte a la mitjana. El bo alemany dona un coeficient de variació més alt que el dels bons blaus el que indica que té una variabilitat més alta respecte a la mitjana, ja que el coeficient de variació és de 66,36.

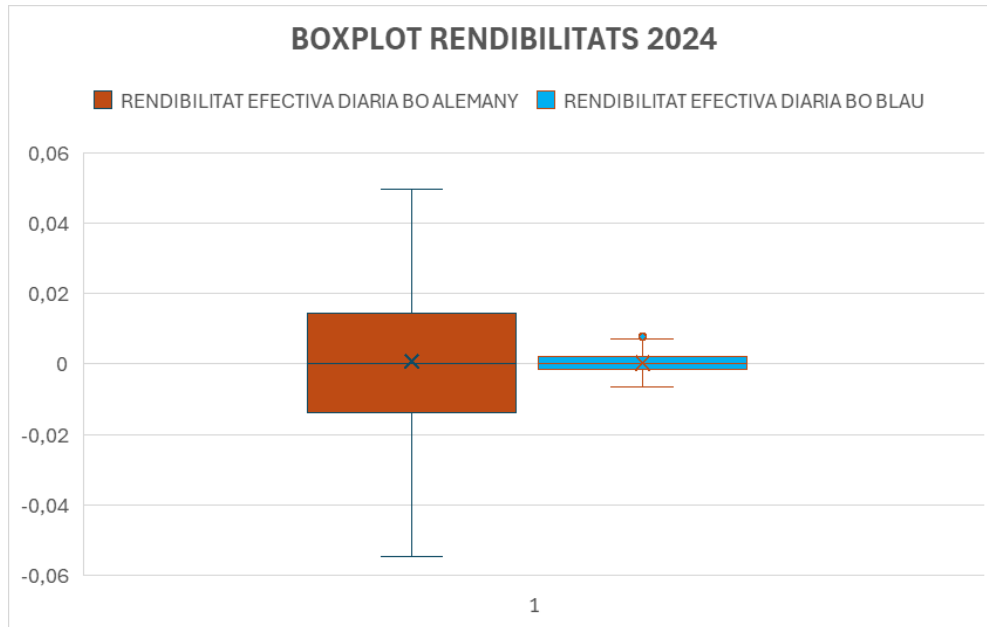
En tercer lloc, pel que fa a les mesures de forma, el coeficient d'asimetria dels bons blaus és de 0,0967, que confirma una inclinació a la dreta de la distribució dels rendiments, reflectint una tendència més pronunciada a la banda positiva. Això també contrasta amb el bo alemany, que va presentar un coeficient d'asimetria negatiu amb un -0,1824.

En quart lloc, el treball pretén esbrinar si aquests actius segueixen una normalitat aplicada a la rendibilitat d'aquests.

Els bons blaus presenten una asimetria propera a zero i una curtosi inferior a 3, indicant que segueixen una distribució pròxima a la normalitat, com mostra el contrast Jarque-Bera que va confirmar que el bo alemany de 2024 segueix una distribució normal. Això vol dir que les rendibilitats dels bons blaus són més estables i simètriques comparades amb les dels bons tradicionals alemanys.

Per acabar l'anàlisi comparativa, en aquest treball s'ha realitzat un Boxplot per tal de veure de manera més clara i visual les diferències que ha tingut el bo blau amb el bo alemany durant l'any 2024 respecte a les seves rendibilitats efectives diàries.

Gràfic 10. Boxplot de les rendibilitats efectives diàries dels actius de renda fixa.



Font pròpia a partir de dades del Investing. (Disponible a l'Annex 3 a la pàgina BOX_PLOT_RENDIBILITATS_2024)

En aquest diagrama de caixa, o també conegut com a Boxplot, es compara per a l'any 2024 la rendibilitat efectiva diària de l'índex dels bons blaus amb la del bo alemany. Observant la mediana, que són les línies que apareixen dins les caixes, veiem com la mediana del bo blau està lleugerament per sobre de la del bo alemany fet que ens indica que la seva rendibilitat efectiva diària és una mica més elevada. També, observem gràcies a les dues línies que estan a l'exterior de la caixa, que la rendibilitat efectiva diària del bo blau ha experimentat una menor dispersió de les dades durant l'any 2024 i, per tant, la volatilitat i risc d'aquest bo ha segut inferior al bo alemany. Igualment, observant les dues caixes, que aquestes representen el 50% de les dades centrals, és a dir, el rang interquartílic (3 quartil - 1 quartil), podem veure com la caixa del bo blau és més estreta que la del bo alemany fet que reforça la idea que el bo blau experimenta una menor dispersió i, per tant, menor volatilitat. Respecte a l'aspecte simètric, observem com el Boxplot del bo blau ens indica una distribució bastant equilibrada, mentre que el del bo alemany pot mostrar certa asimetria. En últim lloc, cal destacar que no s'observen gaires valors atípics o també coneguts com a outliers, fet que demostra que hi ha hagut pocs dies amb rendibilitats molt extraordinàries fora del comportament habitual.

6.3 Riscos associats a carteres

A l'hora de formar carteres, és de vital importància conèixer tant els actius en les quals volem invertir i les seves característiques, com tots els riscos associats a aquestes inversions. El risc es mesura per mitjà de la volatilitat, i es defineix com la incertesa sobre les possibles pujades i baixades que pot experimentar un actiu en un cert període de temps.

El principal risc que pren un inversor quan està invertint és que ha de saber que pot arribar a perdre tota la inversió inicial o part d'ella generant un retorn de capital inferior a l'invertit. A més, també s'ha de tenir en compte un altre criteri, i és que com més risc assumeix l'inversor, més gran és la rendibilitat que pot obtenir amb la seva inversió, però també ha de ser conscient que la pèrdua pot ser major.

L'inversor, abans de començar a invertir, ha de definir el seu perfil de risc, i aquest servirà per planificar i encaminar les seves inversions futures. Per aquest motiu, l'inversor haurà de tenir en compte la relació rendibilitat-risc amb l'objectiu d'escollir els actius més adients que concordin amb el seu perfil de risc com a inversor. A més, un altre factor que haurà de tenir en compte, és la volatilitat de l'actiu, és a dir, durant el període de temps que dura una inversió, aquest actiu abans d'aconseguir el possible rendiment esperat, durant el procés pot tenir unes pujades i baixades més o menys pronunciades, fent que depenent del perfil de cada inversor sigui més convenient un tipus d'actius o uns altres.

Un cop l'inversor ja coneix quin és el seu perfil de risc, ja podrà encaminar les seves inversions cap a la realització de carteres més conservadores o, al contrari, més agressives. D'aquesta manera l'inversor podrà prendre unes decisions racionals que faran que aquest se senti el més còmode possible.

Per finalitzar, quan l'inversor s'enfronta a invertir, haurà de conèixer els riscos principals que afecten de manera contínua al mercat un cop realitzada la inversió, i aquests són els següents:

Primer tenim el risc de mercat o també conegut com a risc sistemàtic, aquest fa referència a les pujades i baixades del mercat que són la conseqüència dels factors macroeconòmics, com ara la inflació, les crisis polítiques, els desastres naturals, les recessions econòmiques, que afecten totes les empreses i actius financers d'una manera

o una altra. A més, el risc de mercat no es pot eliminar mitjançant la diversificació, fet que provoca que els inversors hagin de tindre'l sempre en compte sempre hi han d'aprendre gestionar-lo amb l'objectiu de seleccionar els actius més adequats per formar la seva cartera. Una de les maneres de gestionar-lo és mitjançant una estratègia financera com és la cobertura.

La cobertura d'actius, és una estratègia que té com a objectiu reduir el màxim possible el risc d'una inversió mitjançant tècniques de compensació o l'ús d'instruments financers derivats.

Per tant, el risc sistemàtic es mesura a través de la beta (β) d'un actiu, i aquesta indica la sensibilitat que té un actiu respecte als moviments del mercat.

Seguidament, tenim el risc de preu, aquest fa referència a la fluctuació en el preu dels actius financers que componen la cartera, ja que el preu d'un actiu pot variar en qualsevol moment a causa de la compravenda constant dels actius al mateix mercat.

Aquest risc es pot gestionar també amb la cobertura amb derivats, amb la diversificació de la cartera o amb l'acord de preus fixos mitjançant contractes comercials.

També tenim el risc de liquiditat, la liquiditat fa referència a la facilitat amb què un actiu es pot convertir en diners, per tant, el risc de liquiditat és el risc de no poder convertir els actius en efectiu ràpidament i sense sofrir pèrdues significatives. Per a gestionar aquest risc podem diversificar i o invertir en actius líquids com els bons governamentals o accions d'alta capitalització.

Per finalitzar, tenim el risc divisa. El risc divisa o també anomenat risc de tipus de canvi, és el risc al qual s'enfronta l'inversor quan inverteix en un actiu en una moneda diferent de la seva. Això pot ser beneficiós o perjudicial per a l'inversor en funció dels moviments de la moneda estrangera i els de la moneda de l'inversor. És a dir, si un inversor el qual la seva moneda és l'euro i decideix invertir en actius denominats en dòlars, si el dòlar s'aprecia durant la vida de la inversió, quan l'inversor vol desinvertir, la rendibilitat que aconseguirà serà la mateixa que la inversió inicial més el benefici de l'apreciació del dòlar. Dit d'una manera més resumida, si el dòlar s'aprecia respecte a l'euro, els inversors europeus que



tinguin actius en dòlars surten guanyant en termes de canvi de divisa. I es produeix l'efecte contrari, si el dòlar es devalua.¹⁷

¹⁷ Baron, G. (2023). *Riscos a tenir en compte a l'hora d'invertir* - GVC Gaesco.
<https://Gvcgaesco.Es/ca/Inversio/Riscos-Que-Cal-Tenir-En-Compte-a-Lhora-Dinvertir/>.

7. Conclusions

7.1 Resum dels resultats obtinguts

Durant el desenvolupament del treball s'ha pogut observar com les inversions sostenibles, i en concret els bons blaus, es consoliden com una alternativa d'inversió amb rendibilitats competitives i amb un impacte positiu sobre el medi ambient. L'anàlisi empírica ha demostrat que els bons blaus ofereixen una rendibilitat mitjana anualitzada superior al bo tradicional alemany, amb menor volatilitat i una distribució més estable, fet que pot ser especialment atractiu per al petit inversor amb perfil conservador o moderat.

Per una banda, pel que fa a la renda variable, l'índex FTSE4Good IBEX ha obtingut una rendibilitat acumulada lleugerament superior a la de l'IBEX 35 durant el període analitzat (2020-2024), mostrant una evolució molt similar, però amb millor comportament en períodes de caigudes, cosa que apunta a una major resiliència dels actius ASG.

Per l'altra banda, pel que fa a la renda fixa, s'ha hagut de realitzar l'estudi només amb dos anys (2023 i 2024), ja que de l'Índex Sol Blue Bonds només hi ha dades a partir del 2023. Tot i saber i tenir present que per tal d'extreure unes conclusions molt més consistents sobre aquests tipus de bons hagués estat millor si s'hagués pogut escollir i comparar més anys, l'estudi s'ha hagut d'adaptar a les circumstàncies. Els resultats de l'estudi mostren que els bons blaus, representats per l'Índex Sol Blue Bonds, han obtingut una rendibilitat mitjana superior en comparació amb el bo alemany, representat per el Germany 10-Year Bond Yield, durant el període analitzat (2023-2024). A més, els bons blaus han experimentat una menor volatilitat, una menor variància i una distribució de rendiments més propera a la normalitat, fet que ens mostra que aquests bons han tingut una major estabilitat i un risc menor en comparació amb el bo tradicional alemany.

L'enquesta realitzada revela una carència de coneixement sobre els bons blaus entre els joves estudiants i professionals de l'àmbit econòmic, tot i que hi ha un alt nivell de consciència ambiental i interès per invertir en productes sostenibles si es disposa de més informació.

7.2 Conclusions principals

Com s'ha esmentat al treball, els actius ASG són un factor determinant en la conservació del planeta, ja que són els encarregats de promoure una economia més sostenible i responsable. A través de la inversió en projectes o empreses respectuoses amb el medi ambient, que respecten els drets socials i que adopten pràctiques de governança ètica, es pot afavorir un canvi positiu en la manera de com produïm, consumim i gestionem els recursos naturals. Aquest enfocament no sols ajuda a combatre el canvi climàtic i a reduir danys ambientals, sinó que també contribueix a construir un futur més just i igualitari.

Mitjançant l'enquesta realitzada als estudiants de l'últim any del grau de Finances i Comptabilitat, així com a graduats i professionals de l'àmbit econòmic, hem pogut concloure que la manca d'informació és el principal impediment per al coneixement i l'adquisició dels bons blaus. A pesar que una gran part de la mostra (pràcticament un 80%) considera de vital importància la conservació del fons marí, el 72,3% no sap que són els bons blaus, i la majoria afirma que no saben com es comporten aquests actius envers alguns altres com bons tradicionals o accions. A més gairebé la meitat creu que els bons blaus tenen una rendibilitat menor als actius tradicionals, aquest fet genera una certa desconfiança en aquests actius. Malgrat aquest desconeixement, la predisposició per invertir en aquests bons és notable, ja que la majoria no descarta invertir-hi si tinguessin més informació. Això evidencia que no hi ha una falta d'interès, sinó la manca de difusió i formació és el principal problema, fins i tot en persones familiaritzades amb el món financer.

Durant la recerca s'han trobat unes certes limitacions. Una de les principals limitacions ha estat la manca d'informació sobre els actius ASG, en concret, els bons blaus, atès que es tracta d'un concepte relativament nou dins del mercat de renda fixa. Aquesta novetat ha comportat una disponibilitat limitada de dades numèriques per a l'Índex Sol Blue Bond, que ha estat l'índex escollit per representar els bons blaus, ja que només es poden accedir als registres a partir de l'any 2023. Aquesta limitació ha dificultat la realització d'una anàlisi més completa i robusta del comportament i evolució d'aquest índex. En concret, la manca de rendibilitats efectives diàries ha afectat negativament a



l'hora de comparar aquesta amb les del bo alemany, representat pel Germany 10-Year Bond Yield, limitant la profunditat de l'anàlisi comparativa que es pretenia dur a terme.

Tot i les limitacions esmentades anteriorment, l'estudi mostra com l'objectiu principal del treball s'ha complert. És a dir, els bons blaus sí que ofereixen una rendibilitat superior que els bons tradicionals, aquesta conclusió s'extreu de la part pràctica del treball on s'ha comprovat que la mitjana de les rendibilitats efectives diàries ha estat superior a l'índex Sol Blue Bond i també s'ha estudiat la desviació típica d'aquests actius la qual ens ha demostrat que l'Índex dels bons blaus ha experimentat una volatilitat inferior respecte al bo alemany, fet que significa que el bo alemany ha tingut un risc major durant el període analitzat. A més a més, aprofundint amb els objectius secundaris, gràcies en gran part a l'enquesta, l'estudi mostra com la població no està conscienciada sobre l'existència d'aquests productes financers sostenibles.

En definitiva, aquest treball conclou que la integració de criteris ASG en les inversions no és simplement possible, sinó que és necessària per fer front els reptes socials i ambientals dels nostres temps. Les inversions sostenibles no han de ser contemplades com una alternativa, sinó com una evolució natural i responsable de l'entorn financer, que combina una rendibilitat positiva amb un impacte positiu per al medi ambient i la societat. A més, s'ha comprovat que en molts casos, els actius ASG ofereixen una rendibilitat igual o superior a la dels actius tradicionals, amb una volatilitat menor, desfent així la idea que la sostenibilitat implica renunciar a beneficis econòmics. Així doncs, per avançar en aquesta direcció és imprescindible més divulgació i educació financera.

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9. ANNEXOS

- ANNEX 1_IBEX35 I FTSEGood Ibex
- ANNEX 2_INDEX SOL BLUE BONDS
- ANNEX 3_BO ALEMANY
- ANNEX 4_ENQUESTA CONSCIÈNCIA MEDIAMBIENTAL.
<https://forms.gle/SeA9b9CAN5K6E6KB8>

AGRAÏMENTS

Després de quatre anys a la Universitat Rovira i Virgili, tan plens d'aprenentatges com d'experiències personals, volem agrair a totes les persones que han format part d'aquest camí i han contribuït a fer-lo tan especial.

Volem expressar el nostre més sincer agraïment a la nostra tutora, per la seva dedicació, paciència i guia al llarg de tot el procés d'elaboració d'aquest treball. La seva implicació constant, els seus consells encertats i la seva motivació han estat fonamentals per a poder dur a terme aquest projecte. Ha estat un veritable privilegi comptar amb el seu suport, tant en l'àmbit acadèmic com personal.

Agraïment personal de Pau Pasqual Pla

Primerament, m'agradaria agrair a la meva família, començant pels meus pares Carles i Carme, moltes gràcies per ser els millors referents que es pot tindre i pel vostre suport en els pitjors moments. També vull agrair als meus avis Joaquín i Carme pel seu amor incondicional i per ser un exemple de bondat i força. I finalment agrair a la meva padrina, Cinta, per ser un exemple de treball i generositat, i perquè sé que m'estima profundament.

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sempre, estic profundament agraït d'haver conegut una persona i una família tan meravelloses.

Agraïment personal d'Arnau Ferreres Centelles

En primer lloc, voldria expressar el meu més sincer agraïment a la meva família, pel seu suport constant i ànim al llarg de la meva etapa acadèmica. Sense la seva confiança, aquest camí hauria estat molt més difícil.

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| | IBEX 35 | FTSE4Good IBEX |
|-----------|---------|----------------|
| DATA | Últim | Últim |
| 1/2/2020 | 9691.2 | 9936.1 |
| 1/3/2020 | 9646.6 | 9879.8 |
| 1/6/2020 | 9600.9 | 9835.2 |
| 1/7/2020 | 9579.8 | 9808.8 |
| 1/8/2020 | 9591.4 | 9825.2 |
| 1/9/2020 | 9581.8 | 9819.7 |
| 1/10/2020 | 9573.6 | 9806.6 |
| 1/13/2020 | 9543.9 | 9782.5 |
| 1/14/2020 | 9528.3 | 9767.1 |
| 1/15/2020 | 9511.7 | 9738.7 |
| 1/16/2020 | 9572.5 | 9792.7 |
| 1/17/2020 | 9681.3 | 9888.5 |
| 1/20/2020 | 9658.8 | 9875.1 |
| 1/21/2020 | 9611.3 | 9818.3 |
| 1/22/2020 | 9573.7 | 9788.9 |
| 1/23/2020 | 9518.5 | 9726.8 |
| 1/24/2020 | 9562 | 9760.1 |
| 1/27/2020 | 9366.3 | 9572.2 |
| 1/28/2020 | 9484.2 | 9684.5 |
| 1/29/2020 | 9546.7 | 9741.2 |
| 1/30/2020 | 9477.9 | 9674.4 |
| 1/31/2020 | 9367.9 | 9562.4 |
| 2/3/2020 | 9404.7 | 9589.2 |
| 2/4/2020 | 9562.9 | 9740.3 |
| 2/5/2020 | 9717.8 | 9900.8 |
| 2/6/2020 | 9811.3 | 10011.8 |
| 2/7/2020 | 9811 | 10031.2 |
| 2/10/2020 | 9816 | 10036.2 |
| 2/11/2020 | 9882.6 | 10108.1 |
| 2/12/2020 | 9940.4 | 10173.9 |
| 2/13/2020 | 9909.8 | 10142.5 |
| 2/14/2020 | 9956.8 | 10183 |
| 2/17/2020 | 10022.2 | 10244.7 |
| 2/18/2020 | 10005.8 | 10218 |
| 2/19/2020 | 10083.6 | 10289.9 |
| 2/20/2020 | 9931 | 10151.8 |
| 2/21/2020 | 9886.2 | 10104.2 |
| 2/24/2020 | 9483.5 | 9699.8 |
| 2/25/2020 | 9250.8 | 9471.1 |
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| 12/20/2024 | 11467.3 | 11917.3 |
| 12/23/2024 | 11435.7 | 11888.8 |
| 12/24/2024 | 11473.9 | 11942 |
| 12/25/2024 | 11473.9 | 11942 |
| 12/27/2024 | 11531.6 | 11986.4 |
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RENDIBILITATS EFECTIVES DIÀRIES

| IBEX 35 | FTSE4Good IBEX |
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| 0.000450935 | 0.000642395 |
| 0.005044726 | 0.005494368 |

RENDIBILITATS EFECTIVES ACUMULADES

| IBEX 35 | FTSE4Good IBEX |
|----------------|-----------------------|
| -0.46% | -0.57% |
| -0.93% | -1.02% |
| -1.15% | -1.29% |
| -1.03% | -1.12% |
| -1.13% | -1.18% |
| -1.22% | -1.31% |
| -1.53% | -1.55% |
| -1.69% | -1.71% |
| -1.87% | -2.00% |
| -1.23% | -1.45% |
| -0.09% | -0.47% |
| -0.32% | -0.61% |
| -0.81% | -1.18% |
| -1.21% | -1.48% |
| -1.78% | -2.11% |
| -1.33% | -1.77% |
| -3.37% | -3.70% |
| -2.11% | -2.52% |
| -1.45% | -1.94% |
| -2.17% | -2.62% |
| -3.34% | -3.78% |
| -2.94% | -3.50% |
| -1.26% | -1.93% |
| 0.36% | -0.28% |
| 1.32% | 0.84% |
| 1.32% | 1.04% |
| 1.37% | 1.09% |
| 2.05% | 1.80% |
| 2.63% | 2.45% |
| 2.32% | 2.15% |
| 2.80% | 2.54% |
| 3.46% | 3.15% |
| 3.29% | 2.89% |
| 4.07% | 3.59% |
| 2.56% | 2.25% |
| 2.11% | 1.78% |
| -1.97% | -2.22% |
| -4.42% | -4.58% |
| -3.71% | -4.05% |
| -7.26% | -7.53% |
| -10.18% | -10.53% |
| -9.97% | -10.29% |
| -9.17% | -9.53% |
| -8.05% | -8.47% |
| -10.60% | -11.04% |
| -14.14% | -14.58% |

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|---------|---------|
| -22.11% | -22.96% |
| -25.31% | -25.98% |
| -25.65% | -26.41% |
| -39.71% | -40.51% |
| -35.97% | -36.69% |
| -43.85% | -44.95% |
| -37.45% | -38.89% |
| -40.89% | -41.96% |
| -38.96% | -40.13% |
| -38.22% | -38.82% |
| -41.52% | -42.24% |
| -33.71% | -34.72% |
| -30.35% | -31.51% |
| -29.05% | -29.85% |
| -32.68% | -33.14% |
| -34.42% | -34.82% |
| -32.53% | -33.05% |
| -35.57% | -36.08% |
| -35.65% | -35.96% |
| -35.54% | -36.04% |
| -31.54% | -32.20% |
| -29.24% | -30.26% |
| -29.96% | -30.87% |
| -28.25% | -29.10% |
| -27.71% | -28.74% |
| -31.50% | -32.38% |
| -32.61% | -33.18% |
| -30.95% | -31.63% |
| -31.59% | -32.30% |
| -34.47% | -34.94% |
| -33.19% | -33.51% |
| -32.79% | -32.81% |
| -34.76% | -34.77% |
| -32.97% | -33.10% |
| -31.42% | -31.44% |
| -28.21% | -28.07% |
| -30.10% | -29.91% |
| -33.70% | -33.36% |
| -32.59% | -32.05% |
| -33.71% | -33.26% |
| -32.83% | -32.52% |
| -32.05% | -31.63% |
| -33.68% | -33.49% |
| -32.33% | -32.43% |
| -34.27% | -34.27% |
| -35.56% | -35.43% |
| -36.64% | -36.42% |
| -31.94% | -32.08% |
| -34.45% | -34.71% |
| -33.33% | -33.72% |

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|---------|---------|
| -33.29% | -33.70% |
| -33.12% | -33.56% |
| -30.74% | -31.27% |
| -28.59% | -29.03% |
| -26.16% | -27.02% |
| -25.47% | -26.38% |
| -27.23% | -28.17% |
| -25.47% | -26.46% |
| -22.89% | -23.84% |
| -19.94% | -20.86% |
| -20.72% | -21.53% |
| -16.68% | -17.70% |
| -16.38% | -17.40% |
| -18.20% | -19.22% |
| -19.34% | -20.49% |
| -24.38% | -25.36% |
| -24.18% | -25.07% |
| -24.64% | -25.33% |
| -21.38% | -22.05% |
| -21.61% | -22.34% |
| -22.79% | -23.50% |
| -22.46% | -23.32% |
| -23.39% | -24.24% |
| -22.13% | -22.92% |
| -25.39% | -26.31% |
| -24.35% | -25.24% |
| -25.62% | -26.53% |
| -24.23% | -25.15% |
| -24.87% | -25.83% |
| -24.92% | -25.83% |
| -21.17% | -22.15% |
| -22.44% | -23.42% |
| -20.38% | -21.22% |
| -21.82% | -22.75% |
| -23.44% | -24.41% |
| -24.66% | -25.68% |
| -23.50% | -24.39% |
| -22.06% | -22.89% |
| -23.06% | -23.75% |
| -21.22% | -22.15% |
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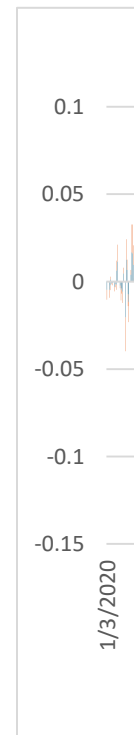
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| 27.89% | 29.39% |
| 28.39% | 29.76% |
| 28.44% | 29.83% |
| 28.94% | 30.38% |

RENDIBILITATS EFECTIVES DIÀRIES + 1

| IBEX 35 | | FTSE4Good IBEX |
|----------------|-------------|-----------------------|
| | 0.995397887 | 0.994333793 |
| | 0.99526258 | 0.995485739 |
| | 0.997802289 | 0.997315764 |
| | 1.001210881 | 1.001671968 |
| | 0.998999103 | 0.999440215 |
| | 0.999144211 | 0.998665947 |
| | 0.996897719 | 0.997542471 |
| | 0.998365448 | 0.99842576 |
| | 0.998257821 | 0.997092279 |
| | 1.006392128 | 1.005544888 |
| | 1.011365892 | 1.009782797 |
| | 0.997675932 | 0.998644891 |
| | 0.995082205 | 0.99424816 |
| | 0.996087938 | 0.997005592 |
| | 0.994234204 | 0.99365608 |
| | 1.004570048 | 1.003423531 |
| | 0.97953357 | 0.980748148 |
| | 1.012587681 | 1.01173189 |
| | 1.006589907 | 1.005854716 |
| | 0.992793321 | 0.993142529 |
| | 0.988394054 | 0.988423055 |
| | 1.003928308 | 1.002802644 |
| | 1.016821377 | 1.01575731 |
| | 1.016198015 | 1.016477932 |
| | 1.009621519 | 1.011211215 |
| | 0.999969423 | 1.001937713 |
| | 1.000509632 | 1.000498445 |
| | 1.006784841 | 1.007164066 |
| | 1.005848663 | 1.006509631 |
| | 0.996921653 | 0.996913671 |
| | 1.00474278 | 1.003993098 |
| | 1.006568375 | 1.006059118 |
| | 0.998363633 | 0.997393774 |
| | 1.00777549 | 1.007036602 |
| | 0.984866516 | 0.986579073 |
| | 0.995488873 | 0.995311176 |
| | 0.959266452 | 0.959977039 |
| | 0.975462646 | 0.976422194 |
| | 1.007134518 | 1.005300335 |
| | 0.964483514 | 0.965204331 |
| | 0.97076531 | 0.969989119 |
| | 1.002097854 | 1.00236701 |
| | 1.008019219 | 1.007655031 |
| | 1.011167098 | 1.010595644 |
| | 0.974523008 | 0.974250201 |
| | 0.964597489 | 0.964646693 |

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|-------------|
| 2020 |
| 2021 |
| 2022 |
| 2023 |
| 2024 |



| | |
|-------------|-------------|
| 0.920375854 | 0.91615408 |
| 0.967932336 | 0.969774329 |
| 0.996636065 | 0.995774982 |
| 0.859407778 | 0.858951821 |
| 1.037349982 | 1.038240182 |
| 0.921201882 | 0.917413923 |
| 1.064071915 | 1.060536052 |
| 0.965576672 | 0.96936506 |
| 1.019283483 | 1.01821382 |
| 1.007426749 | 1.01318064 |
| 0.966926885 | 0.965786187 |
| 1.078183686 | 1.075126183 |
| 1.033510488 | 1.032114197 |
| 1.01307905 | 1.016644872 |
| 0.963700734 | 0.967045566 |
| 0.982590478 | 0.983243212 |
| 1.018844127 | 1.017748173 |
| 0.969640699 | 0.969659317 |
| 0.999194455 | 1.001192002 |
| 1.001140841 | 0.999196357 |
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| 1.023041071 | 1.019319861 |
| 0.99283062 | 0.993949457 |
| 1.017089099 | 1.017724171 |
| 1.005374367 | 1.003602726 |
| 0.962144445 | 0.963561519 |
| 0.988873456 | 0.991959148 |
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| 0.971221547 | 0.973635789 |
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| 1.003973333 | 1.006987408 |
| 0.980345364 | 0.980383086 |
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| 1.015538192 | 1.016619534 |
| 1.032078287 | 1.033651446 |
| 0.9810933 | 0.981645046 |
| 0.964029297 | 0.965429495 |
| 1.011148907 | 1.013149656 |
| 0.988736903 | 0.987883405 |
| 1.008873301 | 1.007420233 |
| 1.007755278 | 1.008910905 |
| 0.983650543 | 0.981362192 |
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| 0.987061556 | 0.98838372 |
| 0.989198851 | 0.99009194 |
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| 0.974894163 | 0.973703917 |
| 1.011272337 | 1.00995356 |

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| 1.00037405 | 1.000161085 |
| 1.00170503 | 1.00144953 |
| 1.023784994 | 1.022881121 |
| 1.021453156 | 1.022412167 |
| 1.024357858 | 1.020047533 |
| 1.006913374 | 1.006441533 |
| 0.9823369 | 0.982092764 |
| 1.017600225 | 1.017082877 |
| 1.025853713 | 1.026175512 |
| 1.029467745 | 1.02986542 |
| 0.992185041 | 0.993240367 |
| 1.040413385 | 1.038327164 |
| 1.002985037 | 1.003039552 |
| 0.981788478 | 0.981793014 |
| 0.988596933 | 0.987247393 |
| 0.949647047 | 0.951328401 |
| 1.002019786 | 1.002934733 |
| 0.995420078 | 0.997397484 |
| 1.032510022 | 1.032744775 |
| 0.997785279 | 0.997146149 |
| 0.988166393 | 0.988368124 |
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| 0.990760972 | 0.990797953 |
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| 0.967345128 | 0.966107963 |
| 1.010395386 | 1.010732107 |
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| 1.037523868 | 1.036784519 |
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| 1.02062538 | 1.0220163 |
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| 0.987783905 | 0.98722461 |
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| 1.01445138 | 1.015032443 |
| 0.989915039 | 0.991370867 |
| 1.018443961 | 1.016033429 |
| 0.998277152 | 1 |
| 0.995411187 | 0.996242133 |
| 1.005053492 | 1.002822437 |
| 1.002206472 | 1.000762807 |
| 0.986069785 | 0.987344434 |
| 0.999296356 | 0.999121523 |
| 0.987785887 | 0.986811254 |
| 0.982987649 | 0.981801982 |
| 1.010570942 | 1.010656436 |
| 0.994452418 | 0.993360635 |

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| 1.006681004 | 1.008214685 |
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| 0.988380187 | 0.987607578 |
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| 0.991026376 | 0.990370309 |
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| 1.01818937 | 1.020523127 |
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| 0.995465394 | 0.995015343 |
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| 1.001300576 | 1.001342187 |
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| 1.013019157 | 1.012792727 |
| 0.982247518 | 0.982672132 |
| 1.009475198 | 1.012061993 |
| 0.996909228 | 0.99594808 |
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| 1.01063104 | 1.008437522 |
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| 0.965727727 | 0.961780818 |
| 0.993470107 | 0.994732105 |
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| 0.998376965 | 0.999555028 |
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| 1.002099276 | 0.999148736 |
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| 1.012347324 | 1.014308449 |
| 1.014375759 | 1.015546055 |
| 0.996237133 | 0.995875324 |

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| 0.994008123 | 0.992774607 |
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| 0.989095094 | 0.986183221 |
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| 0.997812523 | 0.99893381 |
| 1.014242415 | 1.015173369 |
| 0.986001103 | 0.985877472 |
| 0.97857847 | 0.976956334 |
| 0.973403696 | 0.973152778 |
| 0.99033115 | 0.989889497 |
| 1.006300883 | 1.00699804 |
| 1.020675119 | 1.02250574 |
| 1.025206511 | 1.024791422 |
| 1.004487825 | 1.00165438 |
| 1.020982321 | 1.017385761 |
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| 0.991313497 | 0.990778534 |
| 1.007468289 | 1.009777744 |
| 1.026015905 | 1.032046035 |
| 0.99350129 | 0.993948415 |
| 1.005948855 | 1.005855203 |
| 0.993572637 | 0.99207986 |
| 1.006014981 | 1.005990602 |
| 1.000413643 | 1.003203678 |
| 1.0202977 | 1.024840632 |
| 1.00264024 | 1.001462875 |
| 0.992639044 | 0.991805615 |
| 1.010623596 | 1.009028426 |
| 0.986106194 | 0.985320644 |
| 1.007911451 | 1.010767063 |
| 1.009827044 | 1.010485553 |
| 0.997554982 | 0.999775957 |
| 1.014901167 | 1.01779775 |
| 0.994316885 | 0.994599919 |
| 0.994199816 | 0.994256021 |
| 1.000935874 | 1.002472579 |
| 0.99356429 | 0.992670696 |
| 0.985431969 | 0.98492699 |
| 1.009636492 | 1.008907221 |
| 1.001424921 | 1.006636251 |
| 0.998417644 | 0.998634411 |

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|-------------|-------------|
| 1.001707722 | 1.000813401 |
| 0.985772806 | 0.98557092 |
| 0.969194018 | 0.970301053 |
| 1.018537061 | 1.018783564 |
| 1.017569509 | 1.017856927 |
| 1.004694312 | 1.004074118 |
| 1.005436726 | 1.005418002 |
| 1.002354211 | 1.001670765 |
| 0.997504526 | 0.997580257 |
| 0.990103502 | 0.990415298 |
| 1.003158403 | 1.002924637 |
| 0.999049289 | 0.999845897 |
| 1.031984181 | 1.030256325 |
| 1.004251344 | 1.005282055 |
| 1.002611558 | 1.000641048 |
| 0.994029283 | 0.993959709 |
| 0.998612025 | 1.00172642 |
| 1.001821254 | 1.000149365 |
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| 0.983075343 | 0.981830679 |
| 1.002891613 | 1.003687109 |
| 0.993276395 | 0.993245757 |
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| 0.990004998 | 0.989853003 |
| 0.989448542 | 0.988791279 |
| 0.982691255 | 0.98313982 |
| 1.008559888 | 1.009742274 |
| 0.985913194 | 0.985629969 |
| 1.01016211 | 1.011670964 |
| 0.977938859 | 0.977748786 |
| 1.005246536 | 1.004534223 |
| 1.019581442 | 1.019272633 |
| 1.007785282 | 1.006841712 |
| 1.013703075 | 1.013566472 |
| 1.011338734 | 1.011173779 |
| 1.000523452 | 1.002935055 |
| 0.985643022 | 0.985915657 |
| 0.995605481 | 0.99683069 |
| 0.996553178 | 0.996203718 |
| 1.002164825 | 1.002560347 |
| 1.018435754 | 1.01968214 |
| 0.99392942 | 0.995887938 |
| 0.996198045 | 0.994946896 |
| 0.992046979 | 0.991782271 |
| 1.011603232 | 1.013430377 |
| 0.995166593 | 0.997064121 |
| 1.01724563 | 1.014523187 |
| 1.002120672 | 1.002254831 |
| 1.005828577 | 1.007026166 |
| 0.988843204 | 0.98629776 |

-16.69% -15.35%

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| 1.018613982 | 1.01993286 |
| 0.997338299 | 0.998109447 |
| 0.99682855 | 0.998539463 |
| 1.002965435 | 1.001565517 |
| 0.991955949 | 0.991865188 |
| 1.018994063 | 1.017714384 |
| 1.006181758 | 1.005312235 |
| 1.003389671 | 1.002304795 |
| 1.007952893 | 1.008356702 |
| 1.00599325 | 1.007742366 |
| 0.998947308 | 0.99935976 |
| 1.002582393 | 1.002639921 |
| 0.99327766 | 0.995130657 |
| 1.002918774 | 1.004915311 |
| 0.984741321 | 0.984742327 |
| 0.982397268 | 0.982324447 |
| 1.005609157 | 1.002323224 |
| 1.006364492 | 1.008544192 |
| 0.995949643 | 0.994806512 |
| 1.010547595 | 1.013917829 |
| 0.999282201 | 1.000111691 |
| 1.012140695 | 1.01469685 |
| 0.998231571 | 0.997963878 |
| 0.99972028 | 0.998610407 |
| 1.006645215 | 1.004848257 |
| 0.995691752 | 0.99716443 |
| 1.004699095 | 1.003582096 |
| 0.991664544 | 0.992081622 |
| 0.996124122 | 0.996690025 |
| 0.999121018 | 0.997534265 |
| 1.007425133 | 1.008851824 |
| 0.998043873 | 0.994569956 |
| 1.004888236 | 1.006225379 |
| 1.011365879 | 1.009958534 |
| 0.971072388 | 0.970091396 |
| 1.007139986 | 1.006990095 |
| 1.01608019 | 1.014710321 |
| 0.995587284 | 0.996529958 |
| 1.009665143 | 1.012369835 |
| 1.006297475 | 1.005645276 |
| 1.004899106 | 1.004408348 |
| 1.00268194 | 1.001545879 |
| 0.999070632 | 0.999104126 |
| 1.008927964 | 1.008815522 |
| 0.992882602 | 0.993842365 |
| 1.015559884 | 1.017585259 |
| 1.001605745 | 1.002827282 |
| 1.00857251 | 1.009735597 |
| 1.009393765 | 1.0101646 |
| 0.982819899 | 0.983612497 |

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| 1.002281022 | 1.00289428 |
| 0.995392831 | 0.994469514 |
| 1.020008476 | 1.018941992 |
| 1.001093422 | 1.000559249 |
| 1.003091004 | 1.002308202 |
| 0.987674082 | 0.985315227 |
| 1.005909136 | 1.004328551 |
| 1.008734917 | 1.007795379 |
| 1.000162973 | 1.000300291 |
| 1.000347618 | 0.999741206 |
| 0.998718603 | 1 |
| 0.998825691 | 1.001936279 |
| 1.004191115 | 1.002459592 |
| 0.991793682 | 0.99448465 |
| 1.004459553 | 1.006209377 |
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| 0.995828205 | 0.995930478 |
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| 1.008285378 | 1.006941843 |
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| 1.007795222 | 1.007415924 |
| 1.008267246 | 1.007371614 |
| 0.994569609 | 0.993774367 |
| 0.996912477 | 0.994875324 |
| 0.999315381 | 0.99789415 |
| 0.982024598 | 0.980893565 |
| 1.0023365 | 1.002193584 |
| 1.000176762 | 0.999168684 |
| 0.98904267 | 0.990826848 |
| 1.013401682 | 1.013573554 |
| 1.002303259 | 1.003922103 |
| 0.98006597 | 0.980758584 |
| 1.000157062 | 1.001171596 |
| 0.989467308 | 0.989510527 |
| 1.012594658 | 1.012933676 |
| 0.997234755 | 0.997802921 |
| 1.004355831 | 1.004978247 |
| 0.990431906 | 0.987880648 |
| 0.999289003 | 0.998907127 |
| 0.976915693 | 0.977861203 |
| 1.014624108 | 1.015499199 |
| 1.004568967 | 1.00401819 |
| 0.986173965 | 0.986326129 |
| 0.995802089 | 0.996618674 |
| 0.98483536 | 0.985804969 |
| 0.99756069 | 0.995137278 |
| 0.975958712 | 0.975177107 |
| 1.006781743 | 1.007985356 |

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| 1.006653513 | 1.008933818 |
| 0.991339229 | 0.993075853 |
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| 0.993177694 | 0.992816396 |
| 1.011786999 | 1.011523728 |
| 0.992419344 | 0.990174937 |
| 1.001471546 | 0.999819397 |
| 1.005922403 | 1.006566644 |
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| 0.990565197 | 0.990346047 |
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| 1.016379174 | 1.014789485 |
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| 0.986928541 | 0.987244038 |
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| 1.001373518 | 1.001576313 |
| 0.99372646 | 0.993024097 |
| 0.995689411 | 0.995063288 |
| 0.988034907 | 0.988969124 |
| 1.013892563 | 1.014407591 |
| 0.995905219 | 0.994657799 |
| 0.983530752 | 0.987273786 |
| 1.011383375 | 1.008586223 |
| 1.003114373 | 1.001451347 |
| 0.987957858 | 0.985237179 |
| 1.011622802 | 1.01007717 |
| 1.005984468 | 1.008596424 |
| 1.007776668 | 1.008717109 |
| 0.999571923 | 1.000096138 |
| 1.014628484 | 1.014686405 |
| 0.974063913 | 0.976083959 |

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| 1.012543618 | 1.011301994 |
| 0.99064126 | 0.99243935 |
| 1.000363789 | 0.997829497 |
| 0.999113586 | 0.999278515 |
| 1.015435013 | 1.014968156 |
| 0.98292896 | 0.98425456 |
| 1.021401709 | 1.018683322 |
| 0.999129736 | 0.998845767 |
| 0.99374651 | 0.995557959 |
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| 1.008067227 | 1.007238697 |
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| 1.000452 | 0.998232033 |
| 1.007371982 | 1.0066128 |
| 0.994574373 | 0.996460251 |
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-5.56% -5.09%

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| 1.000887501 | 1.002062665 |
| 0.997393274 | 0.996847105 |
| 0.988956727 | 0.98920193 |
| 1.005870312 | 1.005508884 |
| 1.001227509 | 1.000810159 |
| 0.990772705 | 0.989658592 |
| 0.992846831 | 0.99456055 |
| 0.987132112 | 0.985689613 |
| 0.996278699 | 0.995911556 |
| 0.997810016 | 0.996271783 |
| 1.001002696 | 1.000252281 |
| 0.99755142 | 0.99932742 |
| 0.995035034 | 0.997476128 |
| 1.010719532 | 1.009678236 |
| 1.000377195 | 1.000950193 |
| 1.006398811 | 1.005278476 |
| 1.020429752 | 1.022113379 |
| 1.003617554 | 1.003939166 |
| 0.994361893 | 0.995803248 |
| 0.999394038 | 0.998436088 |
| 1.005186284 | 1.004007445 |
| 1.013076542 | 1.011366514 |
| 0.996438141 | 0.994841385 |
| 1.00960338 | 1.010189492 |
| 1.017079383 | 1.017093591 |
| 1.001808112 | 1.004253026 |
| 1.002769508 | 1.001151455 |
| 1.0097234 | 1.009366746 |

| | |
|-------------|-------------|
| 1.007949679 | 1.006711215 |
| 0.998831182 | 0.998100774 |
| 1.006095141 | 1.006092932 |
| 1.001830613 | 1.001385055 |
| 1.00338196 | 1.003243223 |
| 0.99970822 | 0.999885903 |
| 1.006773281 | 1.005981248 |
| 1.005917988 | 1.005293456 |
| 0.999562737 | 0.999652095 |
| 1.008212205 | 1.0081739 |
| 1.003697933 | 1.003246784 |
| 1.005904719 | 1.00443593 |
| 1.001924129 | 1.002934968 |
| 0.98907205 | 0.988986845 |
| 1.007628622 | 1.007784789 |
| 0.997515504 | 0.996684141 |
| 0.992223965 | 0.992481972 |
| 0.997766512 | 0.997659154 |
| 1.00748804 | 1.007592751 |
| 0.992518458 | 0.993228264 |
| 0.995968541 | 0.997411635 |
| 1.005151717 | 1.004024258 |
| 0.999436018 | 0.999250817 |
| 1.0003267 | 0.999203396 |
| 1.000752155 | 1.000722205 |
| 1 | 1 |
| 1 | 1 |
| 1.000979044 | 1 |
| 0.996482839 | 0.99581986 |
| 1.001576411 | 1.002748261 |
| 1.007919146 | 1.007837358 |
| 0.987360171 | 0.988032707 |
| 1.01283148 | 1.013733493 |
| 0.998242065 | 0.997814929 |
| 1.004377982 | 1.003252169 |
| 0.985434421 | 0.981562668 |
| 1.000675924 | 1.000861115 |
| 0.993821458 | 0.992389002 |
| 1.008985597 | 1.006707125 |
| 0.99822681 | 0.998940066 |
| 0.991783187 | 0.991558903 |
| 0.987362544 | 0.987397768 |
| 1.001266746 | 1.001519183 |
| 0.997773347 | 0.996686054 |
| 1.011137823 | 1.012282011 |
| 0.98907515 | 0.99231992 |
| 1.011643947 | 1.01231375 |
| 0.994245037 | 0.994394662 |
| 1.00201682 | 1.003642917 |
| 0.995340459 | 0.994765598 |

22.76% 21.13%

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|-------------|-------------|
| 1.015065266 | 1.011964203 |
| 1.003824968 | 1.003491792 |
| 0.993679113 | 0.992671949 |
| 1.004843219 | 1.003972072 |
| 0.98795528 | 0.99 |
| 1.006206432 | 1.006967205 |
| 0.988523443 | 0.988665023 |
| 1.001739447 | 1.002300687 |
| 0.999111596 | 0.998002324 |
| 1.008902047 | 1.009123016 |
| 0.994060913 | 0.993267278 |
| 0.999113386 | 0.998415823 |
| 1.001078999 | 1.000788537 |
| 0.995880048 | 0.996406334 |
| 1.005907105 | 1.004243091 |
| 1.009391843 | 1.007490061 |
| 1.006873742 | 1.005518595 |
| 1.003136378 | 1.003706267 |
| 0.999181371 | 0.999452251 |
| 1.000769945 | 1.000188982 |
| 0.997573582 | 0.999395371 |
| 0.995530859 | 0.994573951 |
| 0.993315853 | 0.98752994 |
| 1.006339176 | 1.008864293 |
| 1.000506722 | 0.998960132 |
| 1.004697213 | 1.003772252 |
| 1.007917289 | 1.006735993 |
| 1.012003295 | 1.011000331 |
| 0.998653049 | 1.001710616 |
| 1.001940674 | 1.002416902 |
| 1.00612065 | 1.005976485 |
| 1.016517629 | 1.011150903 |
| 0.993371526 | 0.991928103 |
| 1.010237834 | 1.009604561 |
| 0.99988677 | 1.000118801 |
| 1.009880434 | 1.008671418 |
| 1.004775076 | 1.005045793 |
| 1.010695187 | 1.010085988 |
| 1.006965723 | 1.005755588 |
| 1.000822429 | 1.0014107 |
| 1.00358832 | 1.003845166 |
| 1.010899331 | 1.009717307 |
| 0.996697056 | 0.997089263 |
| 1 | 1 |
| 0.991060625 | 0.992355638 |
| 1.005166005 | 1.005291566 |
| 1.005311676 | 1.006230338 |
| 0.984230315 | 0.985005284 |
| 0.999615244 | 1.001649082 |
| 0.991220514 | 0.99248513 |

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|-------------|-------------|
| 0.99620932 | 0.997101501 |
| 0.98838051 | 0.988077136 |
| 1.003399125 | 1.002579909 |
| 1.000112296 | 0.998076819 |
| 0.985000749 | 0.984349698 |
| 1.010164436 | 1.009989799 |
| 1.012328497 | 1.012429708 |
| 0.996702276 | 0.996566724 |
| 1.014977399 | 1.012779351 |
| 1.017006116 | 1.01417644 |
| 0.995702187 | 0.996698598 |
| 0.996001016 | 0.996784566 |
| 1.01555942 | 1.014220062 |
| 0.995176878 | 0.999607874 |
| 0.977803402 | 0.981057238 |
| 1.001621462 | 1.004904879 |
| 0.998408756 | 0.99829344 |
| 1.005785512 | 1.007085917 |
| 1.014966796 | 1.011688654 |
| 1.006506692 | 1.004833564 |
| 0.990773783 | 0.994108232 |
| 1.005013529 | 1.005543758 |
| 1.004187114 | 1.004180334 |
| 1.007828192 | 1.00764497 |
| 1.010988229 | 1.0097339 |
| 0.994411589 | 0.995484926 |
| 1.00251343 | 1.002978318 |
| 1.001041694 | 1.000814484 |
| 0.999594338 | 0.999448975 |
| 0.999479484 | 0.998354496 |
| 0.998419984 | 0.997111374 |
| 0.994244592 | 0.995347767 |
| 1.00706918 | 1.006685671 |
| 0.995629332 | 0.996947227 |
| 0.988391274 | 0.987913578 |
| 1.017326 | 1.016715305 |
| 0.998571202 | 1.00004246 |
| 1.006641936 | 1.006640456 |
| 0.990278314 | 0.989565144 |
| 1.005909768 | 1.003068844 |
| 1.008006624 | 1.007461672 |
| 0.996583362 | 0.997612741 |
| 0.995817587 | 0.99560302 |
| 0.984001338 | 0.982793032 |
| 1.006254754 | 1.00463199 |
| 0.984055703 | 0.984060626 |
| 0.993330984 | 0.992867133 |
| 0.997016093 | 0.997235526 |
| 1.009872713 | 1.009340514 |
| 0.998979011 | 0.998845427 |

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|-------------|-------------|
| 1.009415361 | 1.009728887 |
| 0.988513059 | 0.989194065 |
| 1.012671882 | 1.012563453 |
| 0.995238138 | 0.994051639 |
| 0.992049573 | 0.990740983 |
| 0.99283804 | 0.99011816 |
| 0.999287769 | 0.99984905 |
| 1.010352988 | 1.010532579 |
| 0.986958488 | 0.986958318 |
| 1.013195514 | 1.014042117 |
| 1.0008592 | 1.002432342 |
| 0.996132402 | 0.996259603 |
| 0.999872999 | 1.001345268 |
| 0.988813384 | 0.987601528 |
| 1.015854957 | 1.015790456 |
| 1.008887604 | 1.007973812 |
| 1.007215756 | 1.006764502 |
| 0.990436066 | 0.991090142 |
| 0.995288522 | 0.995483265 |
| 1.001325459 | 1.002727583 |
| 1.003809026 | 1.003705351 |
| 0.994617627 | 0.993589521 |
| 1.00507779 | 1.004266256 |
| 1.00618281 | 1.004587635 |
| 0.99976812 | 0.999800695 |
| 0.99424626 | 0.995241727 |
| 1.001821347 | 1.0016198 |
| 0.995692242 | 0.996583054 |
| 1.007627408 | 1.007023085 |
| 0.987717137 | 0.990513485 |
| 0.980957976 | 0.979498303 |
| 0.983287729 | 0.985293067 |
| 0.976623036 | 0.974714748 |
| 0.99684364 | 0.999358444 |
| 1.020066407 | 1.02045924 |
| 0.996131711 | 0.995869841 |
| 1.00762455 | 1.005813528 |
| 1.000723786 | 1.001019451 |
| 1.007288986 | 1.005392135 |
| 1.002722915 | 1.001790753 |
| 1.012331442 | 1.012296192 |
| 1.005888513 | 1.004343251 |
| 1.01395472 | 1.013142121 |
| 0.998675974 | 0.99730926 |
| 1.002444128 | 1.003058319 |
| 1.00372473 | 1.003110325 |
| 1.010917598 | 1.010970295 |
| 0.998882791 | 0.999326116 |
| 1.005450269 | 1.005239087 |
| 1.000450256 | 1.001470651 |

| | |
|-------------|-------------|
| 1.002347335 | 1.00176906 |
| 1.00381209 | 1.004680588 |
| 0.999421149 | 1.000179184 |
| 0.989811589 | 0.988568406 |
| 0.994210582 | 0.994054143 |
| 1.005314832 | 1.006380762 |
| 0.991085289 | 0.991805046 |
| 1.008932247 | 1.009288976 |
| 0.993852459 | 0.99490706 |
| 1.00673004 | 1.003637875 |
| 1.010754595 | 1.009311999 |
| 1.012280486 | 1.011714308 |
| 1.003535467 | 1.003346828 |
| 1.010569035 | 1.010335504 |
| 0.998402174 | 0.998616021 |
| 1.007993359 | 1.007956386 |
| 0.997894397 | 0.996396949 |
| 1.003794679 | 1.003715834 |
| 1.003314149 | 1.003246565 |
| 0.99624905 | 0.997713295 |
| 1.01361871 | 1.014181933 |
| 1.001229796 | 1.001786705 |
| 0.99242975 | 0.991652483 |
| 0.982841218 | 0.98389534 |
| 0.994543196 | 0.99456617 |
| 1.0007063 | 1.000016785 |
| 1.003546221 | 1.005312364 |
| 1.005000343 | 1.003397641 |
| 1.00146789 | 0.998993311 |
| 1.000579478 | 1.001757235 |
| 0.992777754 | 0.992268427 |
| 1.005430353 | 1.004214283 |
| 1.011168942 | 1.009611293 |
| 1.006691475 | 1.006197784 |
| 1.005574089 | 1.004894835 |
| 0.992314553 | 0.993102152 |
| 1.001738838 | 1.003917276 |
| 0.992947707 | 0.992302585 |
| 0.999290606 | 0.999553903 |
| 1.002746626 | 1.001000033 |
| 0.997859286 | 0.998191831 |
| 0.997694218 | 0.998544227 |
| 1.007746032 | 1.007769918 |
| 0.990868616 | 0.991344731 |
| 0.993192204 | 0.994212608 |
| 0.996380708 | 0.997448065 |
| 1.01459829 | 1.014640101 |
| 0.996799797 | 0.997593816 |
| 1.002888582 | 1.002841519 |
| 0.970952429 | 0.974894157 |

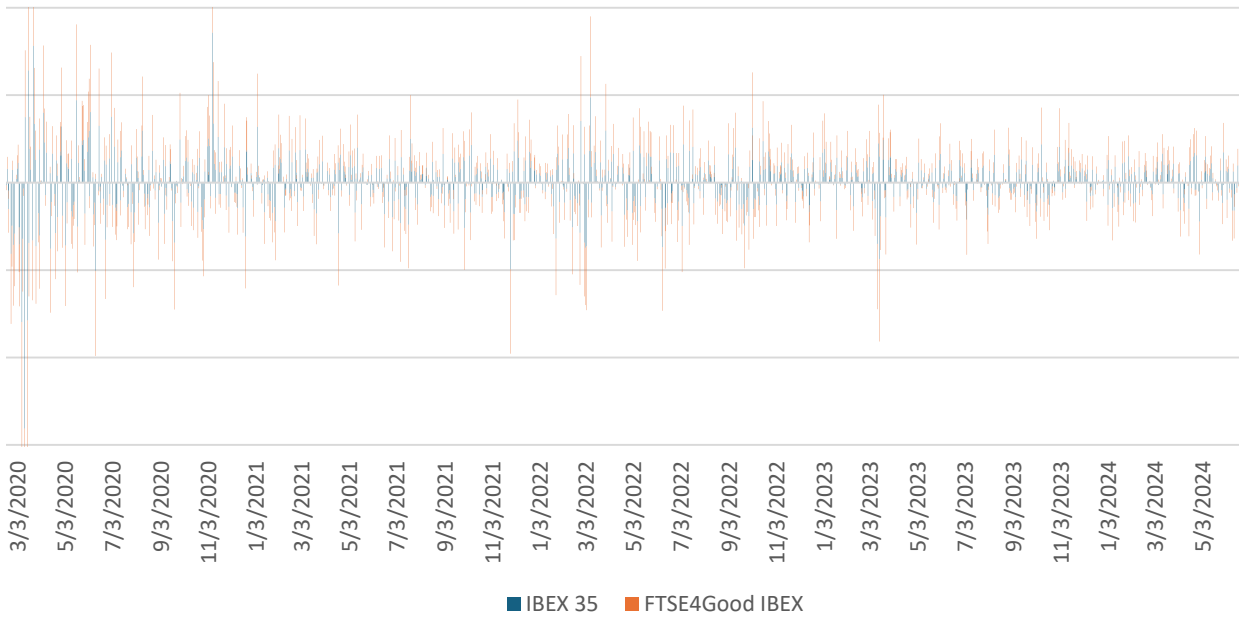
| | |
|-------------|-------------|
| 1.006507007 | 1.008888288 |
| 0.998401051 | 0.998559585 |
| 1.003956162 | 1.004184907 |
| 0.98148707 | 0.981542881 |
| 0.999516806 | 0.998315281 |
| 1.012938271 | 1.014284618 |
| 1.009683885 | 1.010495357 |
| 1.003343102 | 1.003218188 |
| 0.992599445 | 0.99130478 |
| 1.000094923 | 1.00090307 |
| 1.001915527 | 1.001052632 |
| 1.00386679 | 1.003321483 |
| 1.004735515 | 1.006462936 |
| 0.991982445 | 0.991099247 |
| 0.996694756 | 0.996714586 |
| 1.002703053 | 1.002995064 |
| 1.002626865 | 1.002051915 |
| 1.0080747 | 1.005851799 |
| 1.011784956 | 1.010592782 |
| 1.004884786 | 1.003775068 |
| 1.015681049 | 1.01704221 |
| 0.996146451 | 0.996590918 |
| 0.994988403 | 0.996667793 |
| 0.996170337 | 0.996802016 |
| 0.98527433 | 0.991906475 |
| 0.997921844 | 0.999934658 |
| 0.998920509 | 0.997092097 |
| 1.002254916 | 1.001638418 |
| 0.983826601 | 0.984656781 |
| 1.002571604 | 1.002732717 |
| 0.984678815 | 0.985785524 |
| 1.002395126 | 1.001403291 |
| 0.997244338 | 0.997608519 |
| 1.003340416 | 1.0044748 |
| 1 | 1 |
| 1.005028805 | 1.00371797 |
| 1.000450935 | 1.000642395 |
| 1.005044726 | 1.005494368 |

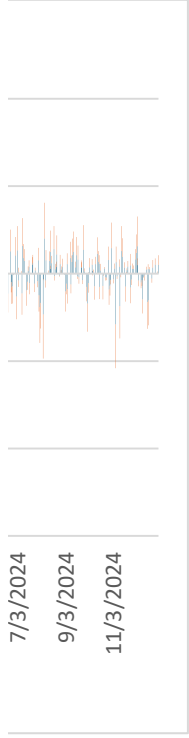
14.78% 13.20%

| RENDIBILITATS ANUALS | |
|----------------------|----------------|
| IBEX 35 | FTSE4Good IBEX |
| -16.69% | -15.35% |
| 7.43% | 9.89% |
| -5.56% | -5.09% |
| 22.76% | 21.13% |
| 14.78% | 13.20% |

| RENDIBILITATS ACUMULADES | |
|--------------------------|----------------|
| IBEX 35 | FTSE4Good IBEX |
| 28.94% | 30.38% |

COMPARATIVA RENDIBILITATS IBEX 35 I FTSEGood IBEX





| FTSE4Good IBEX | |
|----------------------------------|------------|
| | |
| Media | 0.0002366 |
| Error típico | 0.0003635 |
| Mediana | 0.0007322 |
| Moda | 0 |
| Desviación estándar | 1.302% |
| Varianza de la muestra | 0.0001696 |
| Curtosis | 16.396592 |
| Coefficiente de asimetría | -1.1025771 |
| Rango | 0.2319886 |
| Mínimo | -0.1410482 |
| Máximo | 0.0909404 |
| Suma | 0.3037552 |
| Cuenta | 1284 |

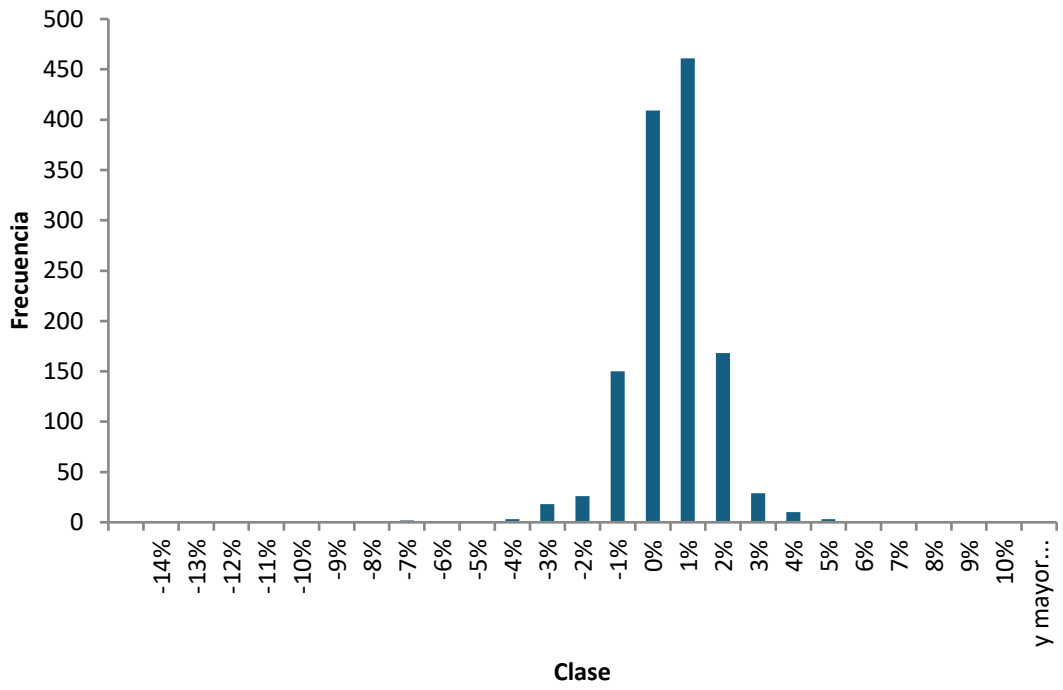
FTSE4Good IBEX

| <i>Clase</i> | <i>Frecuencia</i> | <i>¿ acumulado</i> |
|--------------|-------------------|--------------------|
| -14% | 1 | 0.08% |
| -13% | 0 | 0.08% |
| -12% | 0 | 0.08% |
| -11% | 0 | 0.08% |
| -10% | 0 | 0.08% |
| -9% | 0 | 0.08% |
| -8% | 2 | 0.23% |
| -7% | 0 | 0.23% |
| -6% | 0 | 0.23% |
| -5% | 0 | 0.23% |
| -4% | 4 | 0.55% |
| -3% | 19 | 2.02% |
| -2% | 25 | 3.97% |
| -1% | 150 | 15.65% |
| 0% | 400 | 46.81% |
| 1% | 477 | 83.96% |
| 2% | 163 | 96.65% |
| 3% | 25 | 98.60% |
| 4% | 13 | 99.61% |
| 5% | 2 | 99.77% |
| 6% | 0 | 99.77% |
| 7% | 1 | 99.84% |
| 8% | 1 | 99.92% |
| 9% | 0 | 99.92% |
| 10% | 1 | 100.00% |
| y mayor... | 0 | 100.00% |

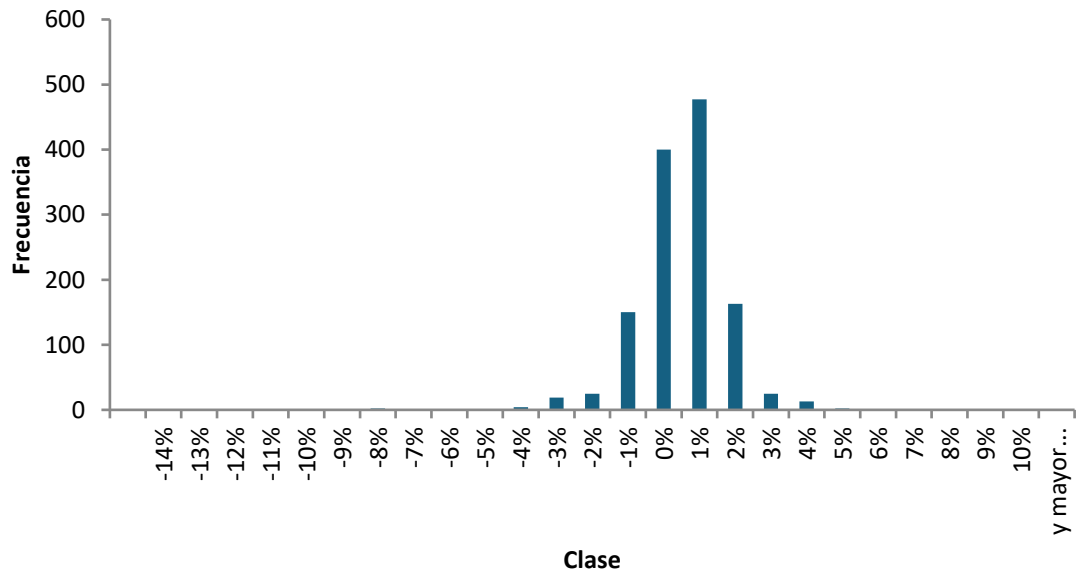
IBEX 35

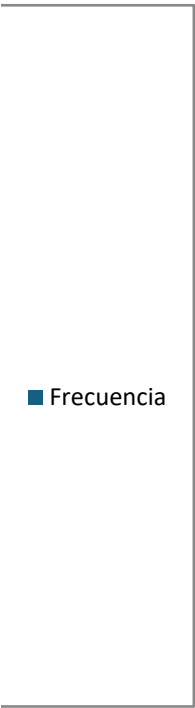
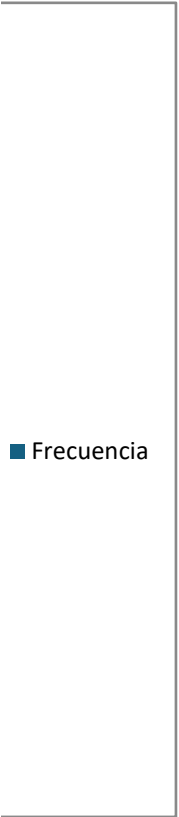
| <i>Clase</i> | <i>Frecuencia</i> | <i>¿ acumulado</i> |
|--------------|-------------------|--------------------|
| -14% | 1 | 0.08% |
| -13% | 0 | 0.08% |
| -12% | 0 | 0.08% |
| -11% | 0 | 0.08% |
| -10% | 0 | 0.08% |
| -9% | 0 | 0.08% |
| -8% | 0 | 0.08% |
| -7% | 2 | 0.23% |
| -6% | 0 | 0.23% |
| -5% | 1 | 0.31% |
| -4% | 3 | 0.55% |
| -3% | 18 | 1.95% |
| -2% | 26 | 3.97% |
| -1% | 150 | 15.65% |
| 0% | 409 | 47.51% |
| 1% | 461 | 83.41% |
| 2% | 168 | 96.50% |
| 3% | 29 | 98.75% |
| 4% | 10 | 99.53% |
| 5% | 3 | 99.77% |
| 6% | 0 | 99.77% |
| 7% | 1 | 99.84% |
| 8% | 1 | 99.92% |
| 9% | 1 | 100.00% |
| 10% | 0 | 100.00% |
| y mayor... | 0 | 100.00% |

Histograma IBEX 35



Histograma FTSE4Good IBEX





| | IBEX 35 | FTSE4Good IBEX |
|-------------|----------------|-----------------------|
| DATA | Últim | Últim |
| 1/2/2020 | 9691.2 | 9936.1 |
| 1/3/2020 | 9646.6 | 9879.8 |
| 1/6/2020 | 9600.9 | 9835.2 |
| 1/7/2020 | 9579.8 | 9808.8 |
| 1/8/2020 | 9591.4 | 9825.2 |
| 1/9/2020 | 9581.8 | 9819.7 |
| 1/10/2020 | 9573.6 | 9806.6 |
| 1/13/2020 | 9543.9 | 9782.5 |
| 1/14/2020 | 9528.3 | 9767.1 |
| 1/15/2020 | 9511.7 | 9738.7 |
| 1/16/2020 | 9572.5 | 9792.7 |
| 1/17/2020 | 9681.3 | 9888.5 |
| 1/20/2020 | 9658.8 | 9875.1 |
| 1/21/2020 | 9611.3 | 9818.3 |
| 1/22/2020 | 9573.7 | 9788.9 |
| 1/23/2020 | 9518.5 | 9726.8 |
| 1/24/2020 | 9562 | 9760.1 |
| 1/27/2020 | 9366.3 | 9572.2 |
| 1/28/2020 | 9484.2 | 9684.5 |
| 1/29/2020 | 9546.7 | 9741.2 |
| 1/30/2020 | 9477.9 | 9674.4 |
| 1/31/2020 | 9367.9 | 9562.4 |
| 2/3/2020 | 9404.7 | 9589.2 |
| 2/4/2020 | 9562.9 | 9740.3 |
| 2/5/2020 | 9717.8 | 9900.8 |
| 2/6/2020 | 9811.3 | 10011.8 |
| 2/7/2020 | 9811 | 10031.2 |
| 2/10/2020 | 9816 | 10036.2 |
| 2/11/2020 | 9882.6 | 10108.1 |
| 2/12/2020 | 9940.4 | 10173.9 |
| 2/13/2020 | 9909.8 | 10142.5 |
| 2/14/2020 | 9956.8 | 10183 |
| 2/17/2020 | 10022.2 | 10244.7 |
| 2/18/2020 | 10005.8 | 10218 |
| 2/19/2020 | 10083.6 | 10289.9 |
| 2/20/2020 | 9931 | 10151.8 |
| 2/21/2020 | 9886.2 | 10104.2 |
| 2/24/2020 | 9483.5 | 9699.8 |
| 2/25/2020 | 9250.8 | 9471.1 |
| 2/26/2020 | 9316.8 | 9521.3 |
| 2/27/2020 | 8985.9 | 9190 |
| 2/28/2020 | 8723.2 | 8914.2 |
| 3/2/2020 | 8741.5 | 8935.3 |
| 3/3/2020 | 8811.6 | 9003.7 |
| 3/4/2020 | 8910 | 9099.1 |
| 3/5/2020 | 8683 | 8864.8 |
| 3/6/2020 | 8375.6 | 8551.4 |

| | IBEX 35 |
|--------------------|----------------|
| MITJANA | 8995.3 |
| MEDIANA | 8876.9 |
| 1ER QUARTIL | 8163.9 |
| 3ER QUARTIL | 9581.5 |
| IQR | 1417.6 |
| 1rQ-1,5IQR | 6037.5 |
| 3rQ-1,5IQR | 7455.1 |

| | | |
|-----------|--------|--------|
| 3/9/2020 | 7708.7 | 7834.4 |
| 3/10/2020 | 7461.5 | 7597.6 |
| 3/11/2020 | 7436.4 | 7565.5 |
| 3/12/2020 | 6390.9 | 6498.4 |
| 3/13/2020 | 6629.6 | 6746.9 |
| 3/16/2020 | 6107.2 | 6189.7 |
| 3/17/2020 | 6498.5 | 6564.4 |
| 3/18/2020 | 6274.8 | 6363.3 |
| 3/19/2020 | 6395.8 | 6479.2 |
| 3/20/2020 | 6443.3 | 6564.6 |
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| 3/24/2020 | 6717.3 | 6816.3 |
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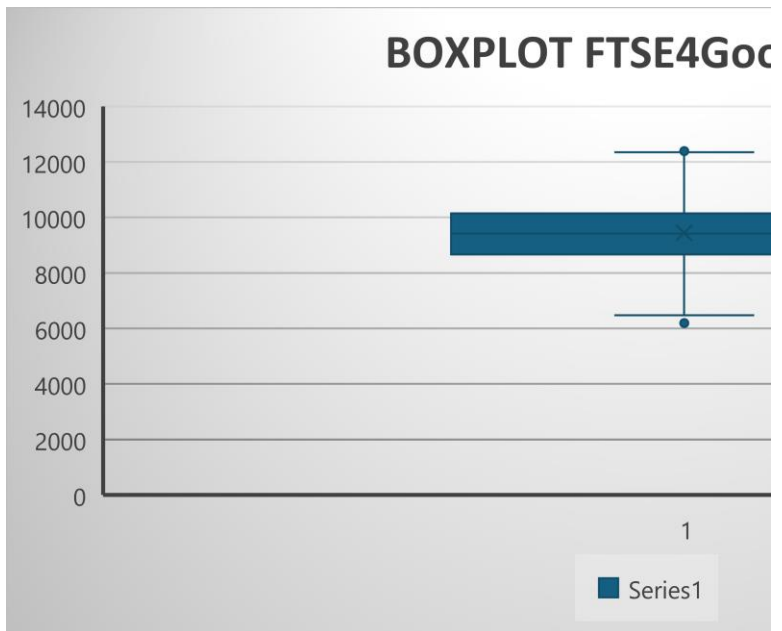
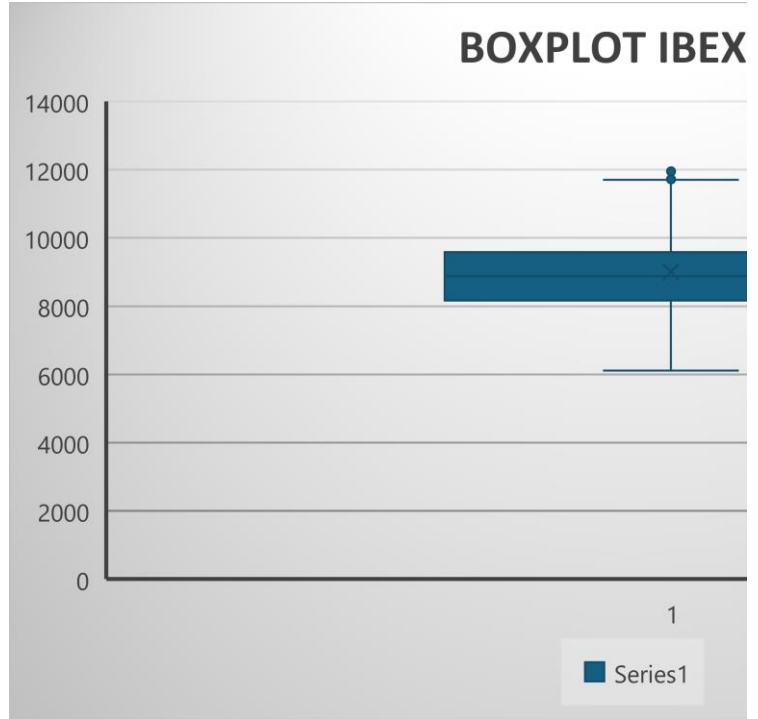
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od IBEX



| Fecha | Último | Apertura | Máximo | Mínimo | Vol. | % var. | RENDIBILITAT EFECTIVA D |
|------------|---------|----------|---------|---------|------|---------|-------------------------|
| 29.12.2023 | 1032.27 | 1034.72 | 1030.66 | 1034.18 | | +0,46 % | 0.00196068915311816 |
| 28.12.2023 | 1030.25 | 1032.21 | 1027.89 | 1029.4 | | +0,18 % | 0.00154570023136889 |
| 27.12.2023 | 1028.66 | 1028.75 | 1025.58 | 1027.53 | | -0,48 % | -0.00134944905587095 |
| 22.12.2023 | 1030.05 | 1032.61 | 1029.27 | 1032.48 | | +0,05 % | 0.000631435787837443 |
| 21.12.2023 | 1029.4 | 1031.99 | 1027.66 | 1031.99 | | +0,23 % | -0.000378717991046595 |
| 20.12.2023 | 1029.79 | 1031.75 | 1028.38 | 1029.65 | | +0,24 % | -0.00146417143411228 |
| 19.12.2023 | 1031.3 | 1031.4 | 1027.2 | 1027.2 | | -0,73 % | -0.00280409978727528 |
| 18.12.2023 | 1034.2 | 1034.92 | 1033.6 | 1034.78 | | +0,01 % | 0.00216091553049025 |
| 15.12.2023 | 1031.97 | 1035.88 | 1031.52 | 1034.65 | | +0,79 % | 0.0107740677982703 |
| 14.12.2023 | 1020.97 | 1026.5 | 1015.97 | 1026.5 | | -0,26 % | -0.00679021353178658 |
| 13.12.2023 | 1027.95 | 1029.44 | 1022.9 | 1029.19 | | +0,01 % | 0.0042202749040181 |
| 12.12.2023 | 1023.63 | 1029.11 | 1022.21 | 1029.11 | | +0,30 % | 0.000518033427817391 |
| 11.12.2023 | 1023.1 | 1026.04 | 1022.6 | 1026.04 | | +0,27 % | -0.00349667377689471 |
| 08.12.2023 | 1026.69 | 1027.4 | 1023.3 | 1023.3 | | -0,10 % | 0.00241159125969033 |
| 07.12.2023 | 1024.22 | 1025.8 | 1023.25 | 1024.33 | | +0,11 % | 0.00396008547511231 |
| 06.12.2023 | 1020.18 | 1024.94 | 1019.77 | 1023.24 | | +0,39 % | 0.00484604928786711 |
| 05.12.2023 | 1015.26 | 1019.92 | 1014.8 | 1019.25 | | +0,27 % | 0.00276554135472014 |
| 04.12.2023 | 1012.46 | 1016.52 | 1012.46 | 1016.52 | | +0,35 % | 0.00544201473713482 |
| 01.12.2023 | 1006.98 | 1013.02 | 1006.76 | 1013.02 | | +0,94 % | 0.00444878905159003 |
| 30.11.2023 | 1002.52 | 1005.06 | 1001.89 | 1003.56 | | +0,44 % | 0.00775022366079959 |
| 29.11.2023 | 994.81 | 999.55 | 993.78 | 999.14 | | +0,51 % | 0.000955869035880236 |
| 28.11.2023 | 993.86 | 994.04 | 990.24 | 994.04 | | +0,04 % | 0.00165285924492551 |
| 27.11.2023 | 992.22 | 993.71 | 991.92 | 993.69 | | +0,14 % | -0.00351504438998915 |
| 24.11.2023 | 995.72 | 996.17 | 992.25 | 992.31 | | -0,65 % | -0.000331308669243439 |
| 22.11.2023 | 996.05 | 999.75 | 995.94 | 998.81 | | +0,34 % | 0.00183056234472902 |
| 21.11.2023 | 994.23 | 997.14 | 993.77 | 995.44 | | +0,12 % | 0.00119834044952877 |
| 20.11.2023 | 993.04 | 994.41 | 991.16 | 994.28 | | +0,03 % | -0.00158854637952187 |
| 17.11.2023 | 994.62 | 995.43 | 990.26 | 993.94 | | +0,21 % | -0.000291483651787562 |
| 16.11.2023 | 994.91 | 995.25 | 991.85 | 991.85 | | -0,21 % | 0.00537596378298077 |
| 15.11.2023 | 989.59 | 994.93 | 989.33 | 993.94 | | +0,27 % | -0.00664518525210548 |
| 14.11.2023 | 996.21 | 996.86 | 986.25 | 991.22 | | -0,62 % | -0.00242331994832917 |
| 13.11.2023 | 998.63 | 1000.59 | 996.76 | 997.4 | | -0,14 % | -0.00563582232223757 |
| 10.11.2023 | 1004.29 | 1004.32 | 998.76 | 998.77 | | -0,27 % | 0.00534561289353813 |
| 09.11.2023 | 998.95 | 1004.03 | 997.92 | 1001.46 | | +0,27 % | -0.000610268518147885 |
| 08.11.2023 | 999.56 | 1000.97 | 997.18 | 998.74 | | -0,04 % | 0.00019011977545848 |
| 07.11.2023 | 999.37 | 1001.66 | 998.2 | 999.15 | | +0,23 % | 0.00430111849179468 |
| 06.11.2023 | 995.09 | 998.71 | 993.45 | 996.84 | | +0,22 % | -0.00478062148079248 |
| 03.11.2023 | 999.87 | 1000.57 | 992.47 | 994.62 | | -0,56 % | 0.00522786451788035 |
| 02.11.2023 | 994.67 | 1000.23 | 990.05 | 1000.23 | | +0,13 % | -0.0021068049800857 |
| 01.11.2023 | 996.77 | 1000.57 | 996.48 | 998.95 | | +0,24 % | 0.00375614275356483 |
| 31.10.2023 | 993.04 | 997.9 | 988.51 | 996.58 | | +0,30 % | -0.00486025513834193 |
| 30.10.2023 | 997.89 | 998.07 | 991.69 | 993.59 | | -0,13 % | 0.00361058030775423 |
| 27.10.2023 | 994.3 | 996.12 | 991.02 | 994.91 | | -0,03 % | -0.00517274155302318 |
| 26.10.2023 | 999.47 | 1000.81 | 993.55 | 995.21 | | -0,07 % | 0.00268863050391764 |
| 25.10.2023 | 996.79 | 998.81 | 995.92 | 995.92 | | -0,04 % | 0.0115895551924657 |
| 24.10.2023 | 985.37 | 997.11 | 984.87 | 996.29 | | +0,75 % | -0.00947929232006428 |
| 23.10.2023 | 994.8 | 995.21 | 985.87 | 988.92 | | -0,52 % | 0.000583371889521361 |
| 20.10.2023 | 994.22 | 994.54 | 991.65 | 994.07 | | -0,05 % | -0.00861536007019922 |

| | | | | | | |
|------------|---------|---------|---------|---------|---------|-----------------------|
| 19.10.2023 | 1002.86 | 1003.58 | 993.66 | 994.61 | -0,88 % | -0.00349768477115998 |
| 18.10.2023 | 1006.38 | 1010.3 | 1003.36 | 1003.45 | -0,28 % | -0.00305113625106497 |
| 17.10.2023 | 1009.46 | 1009.6 | 1004.51 | 1006.26 | -0,21 % | -0.003366670944493861 |
| 16.10.2023 | 1012.87 | 1013.87 | 1007.64 | 1008.37 | -0,66 % | -0.00154765190647061 |
| 13.10.2023 | 1014.44 | 1017.72 | 1012.67 | 1015.08 | +0,21 % | 0.00895130490133673 |
| 12.10.2023 | 1005.44 | 1015.08 | 1005.44 | 1012.94 | +0,67 % | -0.00100352724924238 |
| 11.10.2023 | 1006.45 | 1009.09 | 1004.22 | 1006.19 | -0,09 % | -0.000119216745978923 |
| 10.10.2023 | 1006.57 | 1007.81 | 1002.46 | 1007.08 | -0,13 % | -0.00238855081369301 |
| 06.10.2023 | 1008.98 | 1012.95 | 1003.68 | 1008.39 | -0,10 % | -0.00219541139240509 |
| 05.10.2023 | 1011.2 | 1011.29 | 1007.72 | 1009.43 | -0,20 % | -0.00611350278154539 |
| 04.10.2023 | 1017.42 | 1017.95 | 1009.64 | 1011.46 | -0,44 % | -0.00174646781789647 |
| 03.10.2023 | 1019.2 | 1021.03 | 1015.59 | 1015.97 | -0,15 % | 0.00842996794237553 |
| 02.10.2023 | 1010.68 | 1018.96 | 1010.22 | 1017.46 | +0,40 % | -0.000613072283199846 |
| 29.09.2023 | 1011.3 | 1013.77 | 1009.68 | 1013.44 | +0,17 % | -0.00823771697558114 |
| 28.09.2023 | 1019.7 | 1019.75 | 1011.72 | 1011.72 | -0,67 % | 0.00555188497835455 |
| 27.09.2023 | 1014.07 | 1019.01 | 1013.76 | 1018.54 | +0,51 % | -0.00101467835681211 |
| 26.09.2023 | 1015.1 | 1016.1 | 1013.26 | 1013.35 | -0,17 % | 0.00532820980073683 |
| 25.09.2023 | 1009.72 | 1015.04 | 1009.37 | 1015.03 | +0,57 % | -0.000178235468858253 |
| 22.09.2023 | 1009.9 | 1012.91 | 1009.27 | 1009.27 | -0,06 % | -0.00292241770827166 |
| 21.09.2023 | 1012.86 | 1014.21 | 1009.64 | 1009.86 | +0,17 % | 0.00152276233041961 |
| 20.09.2023 | 1011.32 | 1013.99 | 1007.97 | 1008.1 | -0,29 % | 0.000563937670047044 |
| 19.09.2023 | 1010.75 | 1011.54 | 1007.96 | 1010.99 | +0,02 % | -0.00337221570348162 |
| 18.09.2023 | 1014.17 | 1014.17 | 1009.75 | 1010.81 | -0,22 % | -0.00133920218998948 |
| 15.09.2023 | 1015.53 | 1016.53 | 1013.06 | 1013.06 | -0,19 % | 0.0088213381016242 |
| 14.09.2023 | 1006.65 | 1016.83 | 1006.31 | 1015 | +0,84 % | -0.00043690236225169 |
| 13.09.2023 | 1007.09 | 1008.63 | 1005.25 | 1006.55 | -0,26 % | -0.00075408046832365 |
| 12.09.2023 | 1007.85 | 1009.79 | 1004.91 | 1009.15 | +0,21 % | -0.00232627202534154 |
| 11.09.2023 | 1010.2 | 1011.13 | 1006.52 | 1007.03 | -0,27 % | 0.00121906498706604 |
| 08.09.2023 | 1008.97 | 1010.72 | 1006.76 | 1009.79 | +0,01 % | 6.93824957875409E-05 |
| 07.09.2023 | 1008.9 | 1011.34 | 1008.68 | 1009.65 | +0,04 % | -0.000386410248788739 |
| 06.09.2023 | 1009.29 | 1011.12 | 1007.72 | 1009.24 | -0,15 % | 0.00141884785585295 |
| 05.09.2023 | 1007.86 | 1012.52 | 1007.46 | 1010.77 | +0,32 % | 0.00372465442377406 |
| 01.09.2023 | 1004.12 | 1010.25 | 1002.64 | 1007.56 | +0,24 % | 0.00389914218871846 |
| 31.08.2023 | 1000.22 | 1006.55 | 1000.18 | 1005.11 | +0,64 % | -0.00198561179792659 |
| 30.08.2023 | 1002.21 | 1003.36 | 997.27 | 998.76 | -0,66 % | -0.00407429122238665 |
| 29.08.2023 | 1006.31 | 1007.32 | 1001.04 | 1005.37 | +0,02 % | 0.00162240713461002 |
| 28.08.2023 | 1004.68 | 1006.41 | 1004.22 | 1005.12 | -0,30 % | -0.00352102198903035 |
| 25.08.2023 | 1008.23 | 1009.58 | 1003.79 | 1008.13 | +0,41 % | 0.00521435692921238 |
| 24.08.2023 | 1003 | 1006.56 | 1002.01 | 1004 | +0,01 % | 0.000578599788511842 |
| 23.08.2023 | 1002.42 | 1006.81 | 1001.62 | 1003.86 | +0,10 % | 0.00569857736220072 |
| 22.08.2023 | 996.74 | 1003.91 | 996.32 | 1002.82 | +0,42 % | -0.00343938091143588 |
| 21.08.2023 | 1000.18 | 1000.58 | 998.06 | 998.63 | -0,22 % | -0.000569572820384762 |
| 18.08.2023 | 1000.75 | 1002 | 999.55 | 1000.86 | +0,04 % | 0.00176177939719115 |
| 17.08.2023 | 998.99 | 1001.4 | 997.27 | 1000.48 | +0,28 % | 0.00168453138943765 |
| 16.08.2023 | 997.31 | 999.29 | 996.18 | 997.66 | +0,16 % | -4.01062816464404E-05 |
| 15.08.2023 | 997.35 | 998.61 | 995.03 | 996.03 | -0,35 % | -0.000290686019004815 |
| 14.08.2023 | 997.64 | 1001.51 | 995.6 | 999.57 | +0,47 % | 0.0031472785592905 |
| 11.08.2023 | 994.51 | 996.97 | 993.1 | 994.85 | +0,13 % | -0.00137566775113468 |
| 10.08.2023 | 995.88 | 996.17 | 991.97 | 993.55 | -0,34 % | -0.00223422268086686 |

| | | | | | | |
|------------|---------|---------|---------|---------|---------|-----------------------|
| 09.08.2023 | 998.11 | 998.45 | 996.06 | 996.89 | -0,26 % | 0.00180666659975316 |
| 08.08.2023 | 996.31 | 1000.56 | 996.31 | 999.53 | +0,27 % | -0.00246302952631741 |
| 07.08.2023 | 998.77 | 999.69 | 996.16 | 996.87 | +0,11 % | -0.00140974624567575 |
| 04.08.2023 | 1000.18 | 1001.19 | 994.38 | 995.79 | -0,59 % | -0.00130805100400409 |
| 03.08.2023 | 1001.49 | 1002.93 | 999.81 | 1001.7 | +0,04 % | 0.00307485827607625 |
| 02.08.2023 | 998.42 | 1002.35 | 997.46 | 1001.3 | +0,31 % | 0.00171564447030723 |
| 01.08.2023 | 996.71 | 998.54 | 995.74 | 998.16 | +0,11 % | 0.00099425541316837 |
| 31.07.2023 | 995.72 | 999.42 | 993.69 | 997.11 | +0,31 % | -0.00988405624167208 |
| 28.07.2023 | 1005.66 | 1008.5 | 994.04 | 994.04 | -1,32 % | 0.00865570745112985 |
| 27.07.2023 | 997.03 | 1007.45 | 992.85 | 1007.33 | +0,86 % | -0.00144220657606143 |
| 26.07.2023 | 998.47 | 998.73 | 995.31 | 998.73 | -0,03 % | -0.000870574579222291 |
| 25.07.2023 | 999.34 | 1004.38 | 998.47 | 999.07 | +0,01 % | 0.00681053416349311 |
| 24.07.2023 | 992.58 | 1000.08 | 991.72 | 998.97 | +0,51 % | -0.00443329989969906 |
| 21.07.2023 | 997 | 998.07 | 992.63 | 993.95 | -0,36 % | 0.000501756146512795 |
| 20.07.2023 | 996.5 | 1002.32 | 995.61 | 997.56 | +0,07 % | 0.00240416050537666 |
| 19.07.2023 | 994.11 | 996.84 | 991.65 | 996.84 | +0,43 % | 0.00512618296529974 |
| 18.07.2023 | 989.04 | 993.32 | 987.18 | 992.55 | +0,31 % | -0.000505285284071387 |
| 17.07.2023 | 989.54 | 991.23 | 988.49 | 989.5 | +0,01 % | -0.000525220693695313 |
| 14.07.2023 | 990.06 | 990.7 | 987.1 | 989.37 | -0,27 % | 0.00279550288666058 |
| 13.07.2023 | 987.3 | 992.07 | 981.58 | 992.07 | +0,47 % | -0.00470780366341731 |
| 12.07.2023 | 991.97 | 992.25 | 984.36 | 987.42 | -0,65 % | 0.00673885906244607 |
| 11.07.2023 | 985.33 | 993.9 | 985.33 | 993.9 | +0,66 % | -0.00603242174496364 |
| 10.07.2023 | 991.31 | 991.54 | 985.82 | 987.41 | -0,42 % | -0.00961106171260728 |
| 07.07.2023 | 1000.93 | 1002.55 | 990.44 | 991.62 | -1,07 % | -0.0102639151199929 |
| 06.07.2023 | 1011.31 | 1012.77 | 999.85 | 1002.32 | -0,83 % | 0.00169374009508709 |
| 05.07.2023 | 1009.6 | 1011.89 | 1007.57 | 1010.67 | +0,25 % | 0.000763260410574608 |
| 04.07.2023 | 1008.83 | 1012.5 | 1008.12 | 1008.12 | -0,03 % | |

(REND + MITJANA)^4

1.00223569013E-11
 3.46432481111E-12
 5.4922257788E-12
 4.10132244186E-14
 9.84395780132E-14
 7.33304822021E-12
 7.94470671006E-11
 1.53539823712E-11
 1.25897955686E-08
 2.3623126022E-09
 2.66093609358E-10
 1.28393491454E-14
 1.83016232729E-10
 2.4737480488E-11
 2.03870937562E-10
 4.73445273042E-10
 4.45916834933E-11
 7.65844308575E-10
 3.31621114639E-10
 3.28178197913E-09
 3.59731838536E-13
 4.68784549173E-12
 1.86700093299E-10
 6.91097104014E-14
 7.3966674965E-12
 1.06943313861E-12
 9.81424250361E-12
 5.00124790522E-14
 7.28099551011E-10
 2.17179240937E-09
 4.60315132358E-11
 1.14516382742E-09
 7.11231442869E-10
 3.92834883115E-13
 5.73720024326E-21
 2.88046856844E-10
 6.06234141231E-10
 6.48549550903E-10
 2.74152588019E-11
 1.6329432214E-10
 6.46097827657E-10
 1.38277922889E-10
 8.2179746893E-10
 3.95153208092E-11
 1.69378836789E-08
 8.71035784613E-09
 2.6104222075E-14
 5.98817213969E-09

| CLASSE | FREQ ABS | FREQ ABS ACUMUL |
|--------|----------|-----------------|
| -20% | | |
| | 63 | 63 |
| 20% | 59 | 122 |
| TOTAL | | 122 |

| | REND EFECT DIARIA |
|-----------------------|----------------------|
| MITJANA | 0.018% |
| MEDIANA | -0.00014872610741859 |
| MAXIM | 1.159% |
| MINIM | -1.026% |
| RECORREGUT | 0.0218534703124586 |
| VARIANÇA | 1.83775137584517E-05 |
| DESVIACIO TIPICA | 0.00428690025058336 |
| COEF DE VARIACIÓ | 23.6301361312365 |
| VOLATILITAT ANUALITZA | 0.0687242390712482 |
| COEF D'ASSIMETRIA | 0.0243356817444501 |
| CURTOSI | 0.207828947229388 |
| CONTRAST JARQUE-BER | 0.231605679062583 |
| INV CHIQUADRAT | 5.99146454710798 |

RENDIBILITAT ANUAL

2.26%

1.83217537909E-10
1.09189924613E-10
1.5848104816E-10
8.93817508032E-12
5.91529266951E-09
1.97147450129E-12
8.16862424082E-15
4.3622495219E-11
3.19147211722E-11
1.57022072485E-09
1.38141453766E-11
4.62925086447E-09
3.98429438157E-13
5.02423114298E-09
8.31856926919E-10
2.04674018581E-12
7.01692534064E-10
1.67313319779E-14
9.28098664833E-11
3.23715022384E-12
2.14102233984E-14
1.59474035099E-10
5.34664652734E-12
5.57236012423E-09
1.46167364262E-13
7.6589604205E-13
3.95452639033E-11
1.15931316991E-12
1.57543987933E-16
1.03959423432E-13
2.34468361792E-12
1.57616321123E-10
1.91033396332E-10
2.2052531664E-11
3.28010115309E-10
4.31165939829E-12
1.87910687214E-10
6.41633612454E-10
2.48864638651E-14
9.26536511922E-10
1.71876688951E-10
3.18079296698E-13
6.23773800706E-12
5.10468006955E-12
2.40810156003E-15
4.96759110354E-14
7.73755417361E-11
5.87825769799E-12
3.40508824793E-11

6.97719145046E-12
4.8903386142E-11
6.41000808037E-12
4.92180395454E-12
7.00904579322E-11
5.54063331264E-12
4.36533537705E-13
1.02644748511E-08
5.15719379127E-09
6.9492994547E-12
1.22475292111E-12
1.93118051017E-09
4.5350295752E-10
1.05303287137E-14
2.44094317719E-11
5.97837408506E-10
2.22368411949E-13
2.49336782801E-13
4.66959955421E-11
5.71423940351E-10
1.84900437989E-09
1.49087014622E-09
9.195396982571E-09
1.1903891399E-08
5.23092790234E-12
1.1461079144E-13

| FREQ RELATIVA | FREQ RELATIVA ACUMULADA |
|-------------------|-------------------------|
| 0.516393442622951 | 0.516393442622951 |
| 0.483606557377049 | 1 |
| 1 | |

| REND ACUMULADA |
|----------------|
| 2.32% |

B més petita que inv.chi.quad acceptem hipotesi

| Fecha | Último | Apertura | Máximo | Mínimo | Vol. | % var. | RENDIBILITAT EFECTIVA DIÀRIA |
|------------|---------|----------|---------|---------|------|---------|------------------------------|
| 27.12.2024 | 1114.83 | 1119.73 | 1114.83 | 1119.73 | | +0,16 % | -0.00275514129044391 |
| 23.12.2024 | 1117.91 | 1117.91 | 1117.91 | 1117.91 | | -0,02 % | -0.000241463807258207 |
| 20.12.2024 | 1118.18 | 1118.18 | 1118.13 | 1118.13 | | +0,27 % | 0.00273510711755576 |
| 18.12.2024 | 1115.13 | 1115.13 | 1115.13 | 1115.13 | | +0,05 % | 0.00045755504118015 |
| 17.12.2024 | 1114.62 | 1114.62 | 1114.62 | 1114.62 | | +0,09 % | 0.00017946555158721 |
| 16.12.2024 | 1114.42 | 1114.42 | 1113.67 | 1113.67 | | -0,46 % | -0.00395942262144151 |
| 13.12.2024 | 1118.85 | 1118.85 | 1118.85 | 1118.85 | | +0,11 % | 0.001064724513716 |
| 11.12.2024 | 1117.66 | 1117.66 | 1117.66 | 1117.66 | | +0,06 % | 0.000590868397493359 |
| 10.12.2024 | 1117 | 1117 | 1117 | 1117 | | +0,56 % | 0.00559061568793385 |
| 09.12.2024 | 1110.79 | 1110.79 | 1110.79 | 1110.79 | | -0,17 % | -0.00171654534016364 |
| 06.12.2024 | 1112.7 | 1112.7 | 1112.7 | 1112.7 | | +0,12 % | 0.0011696958790714 |
| 05.12.2024 | 1111.4 | 1111.4 | 1111.4 | 1111.4 | | -0,22 % | -0.00237870831650273 |
| 04.12.2024 | 1114.05 | 1114.05 | 1113.88 | 1113.88 | | -0,31 % | -0.00289987380178826 |
| 02.12.2024 | 1117.29 | 1117.29 | 1117.29 | 1117.29 | | +0,69 % | 0.00687598002991897 |
| 29.11.2024 | 1109.66 | 1109.66 | 1109.66 | 1109.66 | | +0,22 % | 0.00218561468155059 |
| 27.11.2024 | 1107.24 | 1107.24 | 1107.24 | 1107.24 | | -0,36 % | -0.00359061580410897 |
| 26.11.2024 | 1111.23 | 1111.23 | 1111.23 | 1111.23 | | -0,05 % | -0.000548640092099493 |
| 25.11.2024 | 1111.84 | 1111.84 | 1111.84 | 1111.84 | | -0,28 % | -0.00280725041929389 |
| 22.11.2024 | 1114.97 | 1114.97 | 1114.97 | 1114.97 | | +0,71 % | 0.00708137255787479 |
| 21.11.2024 | 1107.13 | 1107.13 | 1107.13 | 1107.13 | | -0,33 % | -0.00333981491483905 |
| 20.11.2024 | 1110.84 | 1110.84 | 1110.84 | 1110.84 | | +0,37 % | 0.00365016263100828 |
| 19.11.2024 | 1106.8 | 1106.8 | 1106.8 | 1106.8 | | -0,00 % | -9.0349743858394E-06 |
| 18.11.2024 | 1106.81 | 1106.81 | 1106.81 | 1106.81 | | -0,17 % | -0.00165067109250988 |
| 15.11.2024 | 1108.64 | 1108.64 | 1108.64 | 1108.64 | | +0,34 % | 0.0034303299090376 |
| 14.11.2024 | 1104.85 | 1104.85 | 1104.85 | 1104.85 | | +0,04 % | 0.000425578152447346 |
| 13.11.2024 | 1104.38 | 1104.38 | 1104.38 | 1104.38 | | +0,05 % | 0.000498265131406269 |
| 12.11.2024 | 1103.83 | 1103.83 | 1103.83 | 1103.83 | | +0,63 % | 0.00629945666046736 |
| 08.11.2024 | 1096.92 | 1096.92 | 1096.92 | 1096.92 | | +0,40 % | 0.00401819629666929 |
| 07.11.2024 | 1092.53 | 1092.53 | 1092.53 | 1092.53 | | -0,09 % | -0.00085051122126101 |
| 06.11.2024 | 1093.46 | 1093.46 | 1093.46 | 1093.46 | | +0,64 % | 0.00638736516585066 |
| 05.11.2024 | 1086.52 | 1086.52 | 1086.52 | 1086.52 | | -0,07 % | -0.000671418716946441 |
| 04.11.2024 | 1087.25 | 1087.25 | 1087.25 | 1087.25 | | -0,14 % | -0.00135938203227616 |
| 01.11.2024 | 1088.73 | 1088.73 | 1088.73 | 1088.73 | | -0,04 % | -0.000394799662124999 |
| 31.10.2024 | 1089.16 | 1089.16 | 1089.16 | 1089.16 | | -0,00 % | -2.75434038138183E-05 |
| 30.10.2024 | 1089.19 | 1089.19 | 1089.19 | 1089.19 | | -0,28 % | -0.0028289449591679 |
| 29.10.2024 | 1092.28 | 1092.28 | 1092.28 | 1092.28 | | +0,11 % | 0.00107230251761974 |
| 28.10.2024 | 1091.11 | 1091.11 | 1091.11 | 1091.11 | | +0,03 % | 0.000256685276349177 |
| 25.10.2024 | 1090.83 | 1090.83 | 1090.83 | 1090.83 | | -0,34 % | -0.00335312928277759 |
| 24.10.2024 | 1094.5 | 1094.5 | 1094.5 | 1094.5 | | +0,06 % | 0.000594231384559209 |
| 23.10.2024 | 1093.85 | 1093.85 | 1093.85 | 1093.85 | | +0,03 % | 0.000338369243150209 |
| 22.10.2024 | 1093.48 | 1093.48 | 1093.48 | 1093.48 | | -0,01 % | -5.48676774511636E-05 |
| 21.10.2024 | 1093.54 | 1093.54 | 1093.54 | 1093.54 | | +0,03 % | 0.000311013538236295 |
| 18.10.2024 | 1093.2 | 1093.2 | 1093.2 | 1093.2 | | -0,12 % | -0.00116037899622647 |
| 17.10.2024 | 1094.47 | 1094.47 | 1094.47 | 1094.47 | | +0,26 % | 0.00263835322786038 |
| 16.10.2024 | 1091.59 | 1091.59 | 1091.59 | 1091.59 | | +0,21 % | 0.00207466975113142 |
| 15.10.2024 | 1089.33 | 1089.33 | 1089.33 | 1089.33 | | +0,28 % | 0.00283544303797462 |
| 11.10.2024 | 1086.25 | 1086.25 | 1086.25 | 1086.25 | | -0,08 % | -0.000772705111812194 |
| 10.10.2024 | 1087.09 | 1087.09 | 1087.09 | 1087.09 | | +0,11 % | 0.0011143036062915 |

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|------------|---------|---------|---------|---------|---------|-----------------------|
| 09.10.2024 | 1085.88 | 1085.88 | 1085.88 | 1085.88 | +0,03 % | 0.000322423148139744 |
| 08.10.2024 | 1085.53 | 1085.53 | 1085.53 | 1085.53 | -0,03 % | -0.00206843295519315 |
| 07.10.2024 | 1087.78 | 1087.78 | 1085.86 | 1085.86 | -0,21 % | -0.000349213350977898 |
| 04.10.2024 | 1088.16 | 1088.16 | 1088.16 | 1088.16 | -0,02 % | -0.000192949089004483 |
| 03.10.2024 | 1088.37 | 1088.37 | 1088.37 | 1088.37 | +0,11 % | 0.00105774360295052 |
| 02.10.2024 | 1087.22 | 1087.22 | 1087.22 | 1087.22 | +0,52 % | 0.00522388749687962 |
| 01.10.2024 | 1081.57 | 1081.57 | 1081.57 | 1081.57 | +0,10 % | |
| 30.09.2024 | 1081.57 | 1081.57 | 1081.57 | 1081.57 | +0,10 % | 0.000971754340502679 |
| 27.09.2024 | 1080.52 | 1080.52 | 1080.52 | 1080.52 | +0,14 % | 0.00303550707820838 |
| 26.09.2024 | 1077.25 | 1078.97 | 1077.25 | 1078.97 | -0,05 % | -0.00212127387591008 |
| 24.09.2024 | 1079.54 | 1079.54 | 1079.54 | 1079.54 | +0,04 % | 0.000389206019719839 |
| 23.09.2024 | 1079.12 | 1079.12 | 1079.12 | 1079.12 | +0,25 % | 0.0025362554464458 |
| 20.09.2024 | 1076.39 | 1076.39 | 1076.39 | 1076.39 | -0,16 % | -0.00162316582262044 |
| 19.09.2024 | 1078.14 | 1078.14 | 1078.14 | 1078.14 | -0,11 % | -0.00106551529246066 |
| 18.09.2024 | 1079.29 | 1079.29 | 1079.29 | 1079.29 | -0,07 % | -0.000675913409010961 |
| 17.09.2024 | 1080.02 | 1080.02 | 1080.02 | 1080.02 | -0,02 % | -0.00021291367738951 |
| 16.09.2024 | 1080.25 | 1080.25 | 1080.25 | 1080.25 | -0,14 % | -0.00138664201525306 |
| 13.09.2024 | 1081.75 | 1081.75 | 1081.75 | 1081.75 | -0,13 % | -0.00128330594383007 |
| 12.09.2024 | 1083.14 | 1083.14 | 1083.14 | 1083.14 | -0,30 % | -0.0030466197247917 |
| 11.09.2024 | 1086.45 | 1086.45 | 1086.45 | 1086.45 | +0,19 % | 0.00189968553749107 |
| 10.09.2024 | 1084.39 | 1084.39 | 1084.39 | 1084.39 | +0,28 % | 0.00282057447241403 |
| 09.09.2024 | 1081.34 | 1081.34 | 1081.34 | 1081.34 | +0,46 % | 0.00458003920439223 |
| 06.09.2024 | 1076.41 | 1076.41 | 1076.41 | 1076.41 | -0,08 % | -0.00081686453972457 |
| 05.09.2024 | 1077.29 | 1077.29 | 1077.29 | 1077.29 | +0,21 % | 0.0020929453787766 |
| 04.09.2024 | 1075.04 | 1075.04 | 1075.04 | 1075.04 | -0,13 % | -0.00127274923124099 |
| 03.09.2024 | 1076.41 | 1076.41 | 1076.41 | 1076.41 | +0,13 % | 0.00128368510646225 |
| 30.08.2024 | 1075.03 | 1075.03 | 1075.03 | 1075.03 | +0,12 % | 0.00120140816212488 |
| 29.08.2024 | 1073.74 | 1073.74 | 1073.74 | 1073.74 | +0,47 % | 0.00469720787484091 |
| 28.08.2024 | 1068.72 | 1068.72 | 1068.72 | 1068.72 | +0,32 % | 0.00317269604070072 |
| 27.08.2024 | 1065.34 | 1065.34 | 1065.34 | 1065.34 | +0,12 % | 0.00115589553711554 |
| 26.08.2024 | 1064.11 | 1064.11 | 1064.11 | 1064.11 | +0,15 % | 0.00153414652511095 |
| 23.08.2024 | 1062.48 | 1062.48 | 1062.48 | 1062.48 | -0,15 % | -0.00154117956621422 |
| 22.08.2024 | 1064.12 | 1064.12 | 1064.12 | 1064.12 | -0,10 % | -0.000976379135529114 |
| 21.08.2024 | 1065.16 | 1065.16 | 1065.16 | 1065.16 | -0,05 % | -0.000497330368118283 |
| 20.08.2024 | 1065.69 | 1065.69 | 1065.69 | 1065.69 | -0,25 % | -0.00251783073438295 |
| 19.08.2024 | 1068.38 | 1068.38 | 1068.38 | 1068.38 | -0,23 % | -0.0023158956352836 |
| 16.08.2024 | 1070.86 | 1070.86 | 1070.86 | 1070.86 | +0,17 % | 0.0017212025967708 |
| 15.08.2024 | 1069.02 | 1069.02 | 1069.02 | 1069.02 | +0,15 % | 0.00149894137265548 |
| 14.08.2024 | 1067.42 | 1067.42 | 1067.42 | 1067.42 | -0,47 % | -0.0046901953471024 |
| 13.08.2024 | 1072.45 | 1072.45 | 1072.45 | 1072.45 | +0,13 % | 0.00127908279493606 |
| 12.08.2024 | 1071.08 | 1071.08 | 1071.08 | 1071.08 | -0,14 % | -0.00142642712635531 |
| 09.08.2024 | 1072.61 | 1072.61 | 1072.61 | 1072.61 | -0,03 % | -0.000298248720792749 |
| 08.08.2024 | 1072.93 | 1072.93 | 1072.93 | 1072.93 | +0,37 % | 0.00371389013620718 |
| 07.08.2024 | 1068.96 | 1068.96 | 1068.96 | 1068.96 | -0,31 % | -0.00313339301700975 |
| 06.08.2024 | 1072.32 | 1072.32 | 1072.32 | 1072.32 | 0,00 % | 1.86514967825998E-05 |
| 05.08.2024 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | +0,18 % | 0.00184991404439795 |
| 02.08.2024 | 1070.32 | 1070.32 | 1070.32 | 1070.32 | -0,47 % | -0.00468680255914295 |
| 01.08.2024 | 1075.36 | 1075.36 | 1075.36 | 1075.36 | +0,58 % | 0.00576131687242785 |
| 31.07.2024 | 1069.2 | 1069.2 | 1069.2 | 1069.2 | +0,33 % | 0.00325598416109148 |

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|------------|---------|---------|---------|---------|---------|-----------------------|
| 30.07.2024 | 1065.73 | 1065.73 | 1065.73 | 1065.73 | +0,11 % | 0.00110844957963465 |
| 29.07.2024 | 1064.55 | 1064.55 | 1064.55 | 1064.55 | +0,44 % | 0.0044345898004435 |
| 26.07.2024 | 1059.85 | 1059.85 | 1059.85 | 1059.85 | -0,02 % | -0.000216964757376819 |
| 25.07.2024 | 1060.08 | 1060.08 | 1060.08 | 1060.08 | +0,09 % | 0.000925313945803058 |
| 24.07.2024 | 1059.1 | 1059.1 | 1059.1 | 1059.1 | +0,12 % | 0.00116271375499827 |
| 23.07.2024 | 1057.87 | 1057.87 | 1057.87 | 1057.87 | +0,36 % | 0.00362411650301213 |
| 22.07.2024 | 1054.05 | 1054.05 | 1054.05 | 1054.05 | +0,06 % | 0.000550561477782877 |
| 19.07.2024 | 1053.47 | 1053.47 | 1053.47 | 1053.47 | +0,03 % | 0.000265858961820728 |
| 18.07.2024 | 1053.19 | 1053.19 | 1053.19 | 1053.19 | +0,10 % | 0.00097893856447686 |
| 17.07.2024 | 1052.16 | 1052.16 | 1052.16 | 1052.16 | -0,25 % | -0.00253121356047879 |
| 16.07.2024 | 1054.83 | 1054.83 | 1054.83 | 1054.83 | +0,49 % | 0.0048583921579834 |
| 15.07.2024 | 1049.73 | 1049.73 | 1049.73 | 1049.73 | -0,05 % | -0.000533186072418042 |
| 12.07.2024 | 1050.29 | 1050.29 | 1050.29 | 1050.29 | -0,17 % | -0.00170139152916125 |
| 11.07.2024 | 1052.08 | 1052.08 | 1052.08 | 1052.08 | -0,01 % | -0.000114046759171373 |
| 10.07.2024 | 1052.2 | 1052.2 | 1052.2 | 1052.2 | -0,02 % | -0.000209042017445532 |
| 09.07.2024 | 1052.42 | 1052.42 | 1052.42 | 1052.42 | +0,08 % | 0.000760731062551285 |
| 08.07.2024 | 1051.62 | 1051.62 | 1051.62 | 1051.62 | -0,01 % | -9.50823413077021E-05 |
| 05.07.2024 | 1051.72 | 1051.72 | 1051.72 | 1051.72 | +0,05 % | 0.000532744777198472 |
| 03.07.2024 | 1051.16 | 1051.16 | 1051.16 | 1051.16 | -0,31 % | -0.00307283763277694 |
| 02.07.2024 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | -0,20 % | -0.0020349249917182 |
| 01.07.2024 | 1056.55 | 1056.55 | 1056.55 | 1056.55 | -0,44 % | -0.0044005955409812 |
| 28.06.2024 | 1061.22 | 1061.22 | 1061.22 | 1061.22 | -0,03 % | -0.000273195730610134 |
| 27.06.2024 | 1061.51 | 1061.51 | 1061.51 | 1061.51 | -0,23 % | -0.00230271814729881 |
| 26.06.2024 | 1063.96 | 1063.96 | 1063.96 | 1063.96 | -0,02 % | -0.000244310386950058 |
| 25.06.2024 | 1064.22 | 1064.22 | 1064.22 | 1064.22 | +0,28 % | 0.00276079111270253 |
| 24.06.2024 | 1061.29 | 1061.29 | 1061.29 | 1061.29 | -0,37 % | -0.0037361420109456 |
| 21.06.2024 | 1065.27 | 1065.27 | 1065.27 | 1065.27 | +0,31 % | 0.00309798677941201 |
| 20.06.2024 | 1061.98 | 1061.98 | 1061.98 | 1061.98 | +0,03 % | 0.000339104387634113 |
| 18.06.2024 | 1061.62 | 1061.62 | 1061.62 | 1061.62 | +0,08 % | 0.000839044808763656 |
| 17.06.2024 | 1060.73 | 1060.73 | 1060.73 | 1060.73 | -0,33 % | -0.00328876276744689 |
| 14.06.2024 | 1064.23 | 1064.23 | 1064.23 | 1064.23 | +0,77 % | 0.00772676053670693 |
| 13.06.2024 | 1056.07 | 1056.07 | 1056.07 | 1056.07 | +0,59 % | 0.0059150743908712 |
| 12.06.2024 | 1049.86 | 1049.86 | 1049.86 | 1049.86 | -0,56 % | -0.00560722877872291 |
| 11.06.2024 | 1055.78 | 1055.78 | 1055.78 | 1055.78 | +0,18 % | 0.00655925255029067 |
| 07.06.2024 | 1048.9 | 1048.9 | 1048.9 | 1048.9 | +0,33 % | 0.00330961126415675 |
| 06.06.2024 | 1045.44 | 1045.44 | 1045.44 | 1045.44 | -0,11 % | -0.00109880660048334 |
| 05.06.2024 | 1046.59 | 1046.59 | 1046.59 | 1046.59 | +0,12 % | 0.00122451712888997 |
| 04.06.2024 | 1045.31 | 1045.31 | 1045.31 | 1045.31 | +0,11 % | 0.00113971574148571 |
| 03.06.2024 | 1044.12 | 1044.12 | 1044.12 | 1044.12 | +0,41 % | 0.00409670532571692 |
| 31.05.2024 | 1039.86 | 1039.86 | 1039.86 | 1039.86 | -0,12 % | -0.00124860732260189 |
| 30.05.2024 | 1041.16 | 1041.16 | 1041.16 | 1041.16 | -0,07 % | -0.000729422604422596 |
| 29.05.2024 | 1041.92 | 1041.92 | 1041.92 | 1041.92 | +0,24 % | 0.00243412001269973 |
| 28.05.2024 | 1039.39 | 1039.39 | 1039.39 | 1039.39 | -0,19 % | -0.00186300212228576 |
| 24.05.2024 | 1041.33 | 1041.33 | 1041.33 | 1041.33 | -0,10 % | -0.00102647735993876 |
| 23.05.2024 | 1042.4 | 1042.4 | 1042.4 | 1042.4 | -0,12 % | -0.00117857861502642 |
| 22.05.2024 | 1043.63 | 1043.63 | 1043.63 | 1043.63 | +0,12 % | 0.00124720577935988 |
| 21.05.2024 | 1042.33 | 1042.33 | 1042.33 | 1042.33 | +0,08 % | 0.000796927508401274 |
| 20.05.2024 | 1041.5 | 1041.5 | 1041.5 | 1041.5 | -0,01 % | -8.64063595079812E-05 |
| 17.05.2024 | 1041.59 | 1041.59 | 1041.59 | 1041.59 | -0,15 % | -0.00146675358539763 |

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|------------|---------|---------|---------|---------|---------|-----------------------|
| 16.05.2024 | 1043.12 | 1043.12 | 1043.12 | 1043.12 | -0,11 % | -0.00113950838352602 |
| 15.05.2024 | 1044.31 | 1044.31 | 1044.31 | 1044.31 | +0,14 % | 0.00136160093586078 |
| 14.05.2024 | 1042.89 | 1042.89 | 1042.89 | 1042.89 | +0,05 % | 0.000498863167589445 |
| 13.05.2024 | 1042.37 | 1042.37 | 1042.37 | 1042.37 | -0,29 % | -0.00291748770828967 |
| 10.05.2024 | 1045.42 | 1045.42 | 1045.42 | 1045.42 | +0,06 % | 0.00062214650114388 |
| 09.05.2024 | 1044.77 | 1044.77 | 1044.77 | 1044.77 | -0,23 % | -0.00228236372665123 |
| 08.05.2024 | 1047.16 | 1047.16 | 1047.16 | 1047.16 | +0,12 % | 0.00119513151227161 |
| 07.05.2024 | 1045.91 | 1045.91 | 1045.91 | 1045.91 | +0,20 % | 0.0020214600498181 |
| 06.05.2024 | 1043.8 | 1043.8 | 1043.8 | 1043.8 | +0,25 % | 0.00252600439889728 |
| 03.05.2024 | 1041.17 | 1041.17 | 1041.17 | 1041.17 | -0,44 % | -0.000758186494683062 |
| 02.05.2024 | 1041.96 | 1045.73 | 1041.96 | 1045.73 | +0,57 % | 0.00205804850839578 |
| 30.04.2024 | 1039.82 | 1039.82 | 1039.82 | 1039.82 | -0,44 % | -0.004394825786808 |
| 29.04.2024 | 1044.41 | 1044.41 | 1044.41 | 1044.41 | -0,11 % | -0.0010616726604942 |
| 26.04.2024 | 1045.52 | 1045.52 | 1045.52 | 1045.52 | +0,32 % | 0.00320482066437652 |
| 25.04.2024 | 1042.18 | 1042.18 | 1042.18 | 1042.18 | -0,25 % | -0.00253629777092911 |
| 24.04.2024 | 1044.83 | 1044.83 | 1044.83 | 1044.83 | -0,09 % | -0.000860642804548106 |
| 23.04.2024 | 1045.73 | 1045.73 | 1045.73 | 1045.73 | -0,34 % | -0.00336427577530829 |
| 22.04.2024 | 1049.26 | 1049.26 | 1049.26 | 1049.26 | +0,23 % | 0.00229257016219943 |
| 19.04.2024 | 1046.86 | 1046.86 | 1046.86 | 1046.86 | -0,07 % | -0.000715915273813728 |
| 18.04.2024 | 1047.61 | 1047.61 | 1047.61 | 1047.61 | -0,21 % | 0.0014721768141711 |
| 17.04.2024 | 1046.07 | 1049.82 | 1042.74 | 1049.82 | +0,33 % | -0.00382824329343197 |
| 16.04.2024 | 1050.09 | 1052.89 | 1046.32 | 1046.32 | -0,49 % | -0.00131244828668446 |
| 15.04.2024 | 1051.47 | 1053.74 | 1050.63 | 1051.48 | -0,18 % | 8.56017805169569E-05 |
| 12.04.2024 | 1051.38 | 1053.33 | 1049.98 | 1053.33 | +0,74 % | 0.00571067810715416 |
| 11.04.2024 | 1045.41 | 1048.33 | 1043.8 | 1045.57 | +0,14 % | 0.000153073427409789 |
| 10.04.2024 | 1045.25 | 1048.94 | 1044.15 | 1044.15 | +0,43 % | 0.00801396416378956 |
| 09.04.2024 | 1036.94 | 1039.89 | 1036.74 | 1039.72 | +0,11 % | -0.00368954053690494 |
| 08.04.2024 | 1040.78 | 1040.78 | 1037.98 | 1038.58 | -0,31 % | -0.00238672635080086 |
| 05.04.2024 | 1043.27 | 1044.66 | 1040.06 | 1041.76 | +0,29 % | 0.00443841102959573 |
| 04.04.2024 | 1038.66 | 1041.66 | 1038.24 | 1038.79 | -0,30 % | -0.00664683773108503 |
| 03.04.2024 | 1045.61 | 1045.61 | 1040.98 | 1041.88 | -0,48 % | -0.00376348184000919 |
| 02.04.2024 | 1049.56 | 1049.69 | 1046.38 | 1046.86 | -0,04 % | 0.00255041121798837 |
| 28.03.2024 | 1046.89 | 1048.96 | 1046.25 | 1047.29 | +0,11 % | 0.00205792828837806 |
| 27.03.2024 | 1044.74 | 1046.09 | 1044.03 | 1046.09 | +0,18 % | 0.00324575555043415 |
| 26.03.2024 | 1041.36 | 1044.18 | 1040.82 | 1044.18 | +0,17 % | -0.00358813904756437 |
| 25.03.2024 | 1045.11 | 1045.2 | 1042.29 | 1042.37 | -0,31 % | 0.00206144051545588 |
| 22.03.2024 | 1042.96 | 1046.17 | 1042.61 | 1045.57 | +0,44 % | 0.00553402364011493 |
| 21.03.2024 | 1037.22 | 1041.29 | 1037.19 | 1040.99 | -0,02 % | -0.00360240929133404 |
| 20.03.2024 | 1040.97 | 1041.31 | 1035.05 | 1041.2 | +0,10 % | 0.000499783747416966 |
| 19.03.2024 | 1040.45 | 1040.47 | 1039.07 | 1040.11 | +0,16 % | 0.0021672124831439 |
| 18.03.2024 | 1038.2 | 1040.09 | 1038.06 | 1038.46 | -0,16 % | -0.00201864846678834 |
| 15.03.2024 | 1040.3 | 1040.53 | 1039.74 | 1040.09 | -0,08 % | 0.000885143066058463 |
| 14.03.2024 | 1039.38 | 1042.89 | 1039.38 | 1040.92 | +0,20 % | 2.8864193967576E-05 |
| 13.03.2024 | 1039.35 | 1039.84 | 1037.69 | 1038.88 | -0,22 % | -0.00104763369343753 |
| 12.03.2024 | 1040.44 | 1041.35 | 1040.11 | 1041.12 | +0,10 % | 0.000480796969055907 |
| 11.03.2024 | 1039.94 | 1041.03 | 1039.8 | 1040.08 | +0,30 % | 0.00234214609979669 |
| 08.03.2024 | 1037.51 | 1039.16 | 1036.91 | 1037 | -0,15 % | -0.00336211948012027 |
| 07.03.2024 | 1041.01 | 1041.22 | 1034.66 | 1038.56 | +0,18 % | 0.00559301404532366 |
| 06.03.2024 | 1035.22 | 1037.74 | 1033.21 | 1036.71 | +0,10 % | -0.0022841392072012 |

| | | | | | | |
|------------|---------|---------|---------|---------|---------|-----------------------|
| 05.03.2024 | 1037.59 | 1037.94 | 1035.59 | 1035.66 | -0,04 % | 0.00114820532612874 |
| 04.03.2024 | 1036.4 | 1036.82 | 1035.01 | 1036.11 | -0,13 % | -0.00377764747724264 |
| 01.03.2024 | 1040.33 | 1041.39 | 1037.09 | 1037.49 | -0,28 % | 0.00214815528369138 |
| 29.02.2024 | 1038.1 | 1041.78 | 1037 | 1040.37 | +0,30 % | -0.000260022920538904 |
| 28.02.2024 | 1038.37 | 1038.78 | 1036.88 | 1037.22 | -0,02 % | 0.00101222380750391 |
| 27.02.2024 | 1037.32 | 1038.27 | 1036.52 | 1037.42 | +0,09 % | 0.0021737660254862 |
| 26.02.2024 | 1035.07 | 1037.04 | 1034.86 | 1036.53 | -0,09 % | -0.00156266579208839 |
| 23.02.2024 | 1036.69 | 1038.11 | 1036.33 | 1037.44 | -0,10 % | -0.00106957024474841 |
| 22.02.2024 | 1037.8 | 1039.27 | 1037.25 | 1038.43 | -0,08 % | -0.00169302397168032 |
| 21.02.2024 | 1039.56 | 1039.99 | 1038.09 | 1039.26 | +0,09 % | 0.00152218732538192 |
| 20.02.2024 | 1037.98 | 1039.54 | 1036.95 | 1038.28 | -0,24 % | -0.00654658218640524 |
| 16.02.2024 | 1044.82 | 1045.14 | 1040.42 | 1040.82 | -0,19 % | 0.00290845563885233 |
| 15.02.2024 | 1041.79 | 1042.84 | 1039.59 | 1042.84 | -0,05 % | -0.00376770294435471 |
| 14.02.2024 | 1045.73 | 1045.94 | 1042.9 | 1043.38 | -0,16 % | -0.00126068478105147 |
| 13.02.2024 | 1047.05 | 1047.52 | 1045.06 | 1045.06 | +0,16 % | 0.00338278135541242 |
| 12.02.2024 | 1043.52 | 1043.99 | 1041.91 | 1043.43 | +0,21 % | -0.000526784602564919 |
| 09.02.2024 | 1044.07 | 1044.19 | 1041.29 | 1041.29 | -0,28 % | -0.00326494763673169 |
| 08.02.2024 | 1047.49 | 1047.49 | 1042.97 | 1044.24 | -0,22 % | 0.00266102554775964 |
| 07.02.2024 | 1044.71 | 1046.58 | 1044.2 | 1046.58 | +0,01 % | -0.00394718024503015 |
| 06.02.2024 | 1048.85 | 1048.97 | 1045.94 | 1046.51 | -0,08 % | -0.0024063611634235 |
| 05.02.2024 | 1051.38 | 1052.6 | 1046.08 | 1047.38 | +0,03 % | 0.00450958286358514 |
| 02.02.2024 | 1046.66 | 1048.04 | 1045.99 | 1047.04 | +0,11 % | 0.0024902783364942 |
| 01.02.2024 | 1044.06 | 1045.92 | 1039.81 | 1045.92 | +0,43 % | 0.00172701629152031 |
| 31.01.2024 | 1042.26 | 1046.01 | 1039.93 | 1041.48 | -0,06 % | 0.00221162352398165 |
| 30.01.2024 | 1039.96 | 1042.11 | 1037.83 | 1042.11 | +0,07 % | 0.00255468471334518 |
| 29.01.2024 | 1037.31 | 1041.36 | 1036.4 | 1041.36 | +0,77 % | -0.000260220898629486 |
| 26.01.2024 | 1037.58 | 1038.23 | 1033.42 | 1033.42 | -0,58 % | 0.0017474922038676 |
| 25.01.2024 | 1035.77 | 1040.34 | 1035.77 | 1039.49 | +0,57 % | 0.00314763878665789 |
| 24.01.2024 | 1032.52 | 1035.19 | 1032.14 | 1033.55 | -0,40 % | -0.00406084515736984 |
| 23.01.2024 | 1036.73 | 1039.56 | 1035.79 | 1037.73 | +0,36 % | 0.00419411080976359 |
| 22.01.2024 | 1032.4 | 1034.09 | 1031.63 | 1034.02 | +0,17 % | -0.000987013992374816 |
| 19.01.2024 | 1033.42 | 1034.98 | 1031.19 | 1032.31 | -0,28 % | -0.00264437924644843 |
| 18.01.2024 | 1036.16 | 1037.4 | 1033.34 | 1035.25 | -0,08 % | -0.000125447509866815 |
| 17.01.2024 | 1036.29 | 1038.12 | 1033.77 | 1036.08 | -0,08 % | -0.00252187388705482 |
| 16.01.2024 | 1038.91 | 1040.23 | 1036.46 | 1036.9 | +0,24 % | 0.00418527325098122 |
| 12.01.2024 | 1034.58 | 1035.45 | 1032.67 | 1034.44 | +0,01 % | 0.000174013921113531 |
| 11.01.2024 | 1034.4 | 1035.61 | 1031.37 | 1034.29 | +0,16 % | 9.66837474621835E-05 |
| 10.01.2024 | 1034.3 | 1034.89 | 1031.47 | 1032.67 | -0,39 % | -0.000888699986476375 |
| 09.01.2024 | 1035.22 | 1036.67 | 1034 | 1036.67 | +0,42 % | -0.00171648987463835 |
| 08.01.2024 | 1037 | 1037.15 | 1032.35 | 1032.35 | -0,24 % | -0.00108849566046652 |
| 05.01.2024 | 1038.13 | 1038.21 | 1034.38 | 1034.88 | -0,15 % | 0.00277225044916264 |
| 04.01.2024 | 1035.26 | 1037.17 | 1033.94 | 1036.47 | -0,26 % | -0.00387764723994263 |
| 03.01.2024 | 1039.29 | 1040.78 | 1037.9 | 1039.12 | 0,00 % | -0.00010583028670399 |
| 02.01.2024 | 1039.4 | 1040.54 | 1038.4 | 1039.07 | +0,47 % | |

(REND + MITJANA)⁴

8.4777947157E-14
3.52697570942E-11
6.4591466818E-16
1.98312925351E-16
3.28580667285E-10
3.45344242763E-13
7.34329520879E-15
7.8457999909E-10
1.64749580956E-11
5.77020907392E-13
5.13442244655E-11
1.04596811397E-10
1.87212410217E-09
1.26919816256E-11
2.28686386942E-10
5.1412845852E-13
9.29954840944E-11
2.11713323272E-09
1.75156682171E-10
1.2624974949E-10
8.90252578683E-15
1.44236186059E-11
9.62487935448E-11
2.6379731745E-16
1.60417850809E-15
1.29714256805E-09
1.91514002549E-10
1.74078313272E-12
1.37483206276E-09
8.83663528063E-13
7.54799605701E-12
2.30551708312E-13
1.12500419097E-14
9.56215474556E-11
3.59203448747E-13
2.95170653079E-18
1.77734985627E-10
7.68660017321E-15
2.62057823905E-18
1.55278177994E-14
2.75111886285E-20
4.52524423705E-12
2.99933978237E-11
9.96082112364E-12
4.14469903233E-11
1.31491598501E-12
4.43731461833E-13
3.48016991803E-19

| CLASSE | FREQ ABS | FREQ ABS ACUMUL |
|--------|----------|-----------------|
| -20% | | |
| | 114 | 114 |
| 20% | 123 | 237 |
| TOTAL | | 237 |

| | REND EFECT DIARIA |
|-----------------------|----------------------|
| MITJANA | 0.0298% |
| MEDIANA | 0.00012487858743599 |
| MAXIM | 0.801% |
| MINIM | -0.665% |
| RECORREGUT | 0.0146608018948746 |
| VARIANÇA | 7.45544259995418E-06 |
| DESVIACIO TIPICA | 0.0027319320323278 |
| COEF DE VARIACIÓ | 9.1634157615687 |
| VOLATILITAT ANUALITZA | 0.0437962021837452 |
| COEF D'ASSIMETRIA | 0.275460544844776 |
| CURTOSI | -0.0013389690253911 |
| CONTRAST JARQUE-BER | 2.99721891903989 |
| INV CHIQUADRAT | 5.99146454710798 |

3.13671950163E-11
1.75610842863E-13
5.81597222575E-14
3.32935594844E-13
5.88695149152E-10
7.90041662565E-15
2.05901264974E-13
5.61481607746E-11
3.4263904353E-11
6.87902500198E-17
2.50919299762E-11
1.36264016537E-11
3.457893658E-12
9.0016390777E-13
6.820999053981E-14
8.05692621997E-12
6.25477315577E-12
1.25157516756E-10
6.57904620452E-12
4.04839831385E-11
3.36161456937E-10
1.54560407813E-12
1.03770664559E-11
6.08942614805E-12
9.43442420044E-13
6.65697676395E-13
3.74493903638E-10
6.82788713923E-11
5.41333487602E-13
2.33394452959E-12
1.14452093042E-11
2.63862814798E-12
4.00391094588E-13
6.28795270485E-11
4.66920003246E-11
4.10112030448E-12
2.07918147971E-12
6.19185410378E-10
9.25942773364E-13
8.84535067311E-12
1.26503397878E-13
1.36127880479E-10
1.38659629259E-10
6.10130490344E-15
5.79855643653E-12
6.17502584641E-10
8.90805184945E-10
7.65427883688E-11
4.31137001248E-13

2.92761030035E-10
7.03986457057E-14
1.54727236014E-13
5.58751728665E-13
1.22371275064E-10
4.06014764772E-15
1.08518478799E-18
2.14826621428E-13
6.40834106785E-11
4.32471463991E-10
4.77611185794E-13
1.59848441026E-11
2.88638147252E-14
6.6166348499E-14
4.579403656619E-14
2.39072288705E-14
3.02961046634E-15
1.29128094499E-10
2.96280717269E-11
4.87440984889E-10
1.06548997257E-13
4.5757586727E-11
8.65810918798E-14
3.67803034999E-11
2.6488826838E-10
6.14526141114E-11
2.81741893355E-18
8.56052604933E-14
1.65529666597E-10
3.04532706556E-09
9.95403238746E-10
1.2161482796E-09
1.53676520553E-09
8.22466016146E-11
3.80813736601E-12
7.36480533552E-13
5.01630360415E-13
2.08200050696E-10
5.72362955473E-12
1.11486984947E-12
2.08157979679E-11
2.18136849696E-11
3.0786108368E-12
4.75537467342E-12
8.11325252135E-13
6.18985962248E-14
2.18660726704E-14
9.70216961598E-12
4.27173490965E-12

1.2790715979E-12
1.62343925592E-15
1.06920301622E-10
1.10215688204E-14
4.43419085019E-11
6.47386495835E-13
8.82001096951E-12
2.46353741172E-11
1.24504183236E-12
9.59324672929E-12
4.85051199944E-10
3.41908207302E-12
7.13826169731E-11
6.45452736649E-11
1.80301854441E-12
1.79915284908E-10
1.58226771629E-11
1.05739535833E-12
1.89991745077E-12
2.89918565048E-10
6.72871924392E-12
2.04035000947E-15
8.58233722834E-10
4.42798051866E-16
3.54430008649E-09
2.52859408204E-10
5.19621660124E-11
2.93844332608E-10
2.32638773507E-09
2.72142059828E-10
2.57327885079E-11
9.5906257325E-12
7.54894899427E-11
2.28104339188E-10
9.66741981001E-12
7.51556630309E-10
2.31473198519E-10
1.65342639052E-15
1.22042056993E-11
2.88098861279E-11
1.18734580052E-13
5.25720632325E-15
3.28005610465E-12
1.11325736314E-15
1.74555392856E-11
1.79491948436E-10
7.86003137086E-10
4.446407015112E-11
5.22179812097E-13

2.75958550616E-10
1.171402806E-11
9.70571141749E-14
2.60021752505E-13
1.23762743364E-11
1.19894491733E-11
3.49920707452E-12
1.571894742E-11
2.2449175042E-12
2.19493646048E-09
4.64275366257E-11
2.73275137791E-10
5.90450204259E-12
9.05360834021E-11
4.6306912243E-13
1.61177132015E-10
3.11727168488E-11
3.24817672711E-10
5.34989518823E-11
3.14576188599E-10
2.30927707347E-11
4.16854974246E-12
1.34061396025E-11
2.59286478191E-11
9.71948918057E-14
4.41267677173E-12
6.59291001791E-11
3.61026799193E-10
2.3039080862E-10
2.72780605222E-12
7.49676864219E-11
3.21922082157E-14
6.32414343187E-11
2.28307454136E-10
2.37343694844E-16
1.64693756186E-15
1.98408783311E-12
1.64731439028E-11
3.69694334775E-12
3.74696873084E-11
3.04054362249E-10
2.66302237672E-14
7.90041662565E-15
7.90041662565E-15

| FREQ RELATIVA | FREQ RELATIVA ACUMULADA |
|-------------------|-------------------------|
| 0.481012658227848 | 0.481012658227848 |
| 0.518987341772152 | 1 |
| | |

| REND ACUMULADA |
|----------------|
| 7.26% |

B més petita que inv.chi.quad acceptem hipotesi

| Fecha | Último | Apertura | Máximo | Mínimo | RED | (REND + MITJANA)^4 |
|------------|---------|----------|---------|---------|-----------|--------------------|
| 27.12.2022 | 1114.83 | 1119.73 | 1114.83 | 1119.73 | -0.002755 | 3.625801348701E-25 |
| 23.12.2022 | 1117.91 | 1117.91 | 1117.91 | 1117.91 | -0.000241 | 2.139127547512E-29 |
| 20.12.2022 | 1118.18 | 1118.18 | 1118.13 | 1118.13 | 0.002735 | 3.521485164426E-25 |
| 18.12.2022 | 1115.13 | 1115.13 | 1115.13 | 1115.13 | 0.000458 | 2.758048397802E-28 |
| 17.12.2022 | 1114.62 | 1114.62 | 1114.62 | 1114.62 | 0.000179 | 6.527590425283E-30 |
| 16.12.2022 | 1114.42 | 1114.42 | 1113.67 | 1113.67 | -0.003959 | 1.54652143739E-24 |
| 13.12.2022 | 1118.85 | 1118.85 | 1118.85 | 1118.85 | 0.001065 | 8.086815169216E-27 |
| 11.12.2022 | 1117.66 | 1117.66 | 1117.66 | 1117.66 | 0.000591 | 7.669932714801E-28 |
| 10.12.2022 | 1117 | 1117 | 1117 | 1117 | 0.005591 | 6.147054446325E-24 |
| 09.12.2022 | 1110.79 | 1110.79 | 1110.79 | 1110.79 | -0.001717 | 5.463231718745E-26 |
| 06.12.2022 | 1112.7 | 1112.7 | 1112.7 | 1112.7 | 0.00117 | 1.177932335523E-26 |
| 05.12.2022 | 1111.4 | 1111.4 | 1111.4 | 1111.4 | -0.002379 | 2.014620589917E-25 |
| 04.12.2022 | 1114.05 | 1114.05 | 1113.88 | 1113.88 | -0.0029 | 4.449845149556E-25 |
| 02.12.2022 | 1117.29 | 1117.29 | 1117.29 | 1117.29 | 0.006876 | 1.406588074834E-23 |
| 29.11.2022 | 1109.66 | 1109.66 | 1109.66 | 1109.66 | 0.002186 | 1.435895722184E-25 |
| 27.11.2022 | 1107.24 | 1107.24 | 1107.24 | 1107.24 | -0.003591 | 1.045933942241E-24 |
| 26.11.2022 | 1111.23 | 1111.23 | 1111.23 | 1111.23 | -0.000549 | 5.701362659979E-28 |
| 25.11.2022 | 1111.84 | 1111.84 | 1111.84 | 1111.84 | -0.002807 | 3.907987139507E-25 |
| 22.11.2022 | 1114.97 | 1114.97 | 1114.97 | 1114.97 | 0.007081 | 1.582334433435E-23 |
| 21.11.2022 | 1107.13 | 1107.13 | 1107.13 | 1107.13 | -0.00334 | 7.829212912928E-25 |
| 20.11.2022 | 1110.84 | 1110.84 | 1110.84 | 1110.84 | 0.00365 | 1.117062217656E-24 |
| 19.11.2022 | 1106.8 | 1106.8 | 1106.8 | 1106.8 | -9.03E-06 | 4.193109531183E-35 |
| 18.11.2022 | 1106.81 | 1106.81 | 1106.81 | 1106.81 | -0.001651 | 4.671654188233E-26 |
| 15.11.2022 | 1108.64 | 1108.64 | 1108.64 | 1108.64 | 0.00343 | 8.713087274806E-25 |
| 14.11.2022 | 1104.85 | 1104.85 | 1104.85 | 1104.85 | 0.000426 | 2.064171624956E-28 |
| 13.11.2022 | 1104.38 | 1104.38 | 1104.38 | 1104.38 | 0.000498 | 3.878559780116E-28 |
| 12.11.2022 | 1103.83 | 1103.83 | 1103.83 | 1103.83 | 0.006299 | 9.909252020763E-24 |
| 08.11.2022 | 1096.92 | 1096.92 | 1096.92 | 1096.92 | 0.004018 | 1.640412615702E-24 |
| 07.11.2022 | 1092.53 | 1092.53 | 1092.53 | 1092.53 | -0.000851 | 3.292673708146E-27 |
| 06.11.2022 | 1093.46 | 1093.46 | 1093.46 | 1093.46 | 0.006387 | 1.047407034525E-23 |
| 05.11.2022 | 1086.52 | 1086.52 | 1086.52 | 1086.52 | -0.000671 | 1.278798975017E-27 |
| 04.11.2022 | 1087.25 | 1087.25 | 1087.25 | 1087.25 | -0.001359 | 2.148793123947E-26 |
| 01.11.2022 | 1088.73 | 1088.73 | 1088.73 | 1088.73 | -0.000395 | 1.528746915069E-28 |
| 31.10.2022 | 1089.16 | 1089.16 | 1089.16 | 1089.16 | -2.75E-05 | 3.621587160241E-33 |
| 30.10.2022 | 1089.19 | 1089.19 | 1089.19 | 1089.19 | -0.002829 | 4.030199042062E-25 |
| 29.10.2022 | 1092.28 | 1092.28 | 1092.28 | 1092.28 | 0.001072 | 8.319511128101E-27 |
| 28.10.2022 | 1091.11 | 1091.11 | 1091.11 | 1091.11 | 0.000257 | 2.731695807663E-29 |
| 25.10.2022 | 1090.83 | 1090.83 | 1090.83 | 1090.83 | -0.003353 | 7.954807925582E-25 |
| 24.10.2022 | 1094.5 | 1094.5 | 1094.5 | 1094.5 | 0.000594 | 7.846045934818E-28 |
| 23.10.2022 | 1093.85 | 1093.85 | 1093.85 | 1093.85 | 0.000338 | 8.248823749356E-29 |
| 22.10.2022 | 1093.48 | 1093.48 | 1093.48 | 1093.48 | -5.49E-05 | 5.702887599287E-32 |
| 21.10.2022 | 1093.54 | 1093.54 | 1093.54 | 1093.54 | 0.000311 | 5.887700101243E-29 |
| 18.10.2022 | 1093.2 | 1093.2 | 1093.2 | 1093.2 | -0.00116 | 1.140848408501E-26 |
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| 07.10.202 | 1087.78 | 1087.78 | 1085.86 | 1085.86 | -0.000349 | 9.358190051143E-29 |
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| 27.09.202 | 1080.52 | 1080.52 | 1080.52 | 1080.52 | 0.003036 | 5.342610384708E-25 |
| 26.09.202 | 1077.25 | 1078.97 | 1077.25 | 1078.97 | -0.002121 | 1.274135096057E-25 |
| 24.09.202 | 1079.54 | 1079.54 | 1079.54 | 1079.54 | 0.000389 | 1.44393186071E-28 |
| 23.09.202 | 1079.12 | 1079.12 | 1079.12 | 1079.12 | 0.002536 | 2.603757146855E-25 |
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| 19.09.202 | 1078.14 | 1078.14 | 1078.14 | 1078.14 | -0.001066 | 8.110866496229E-27 |
| 18.09.202 | 1079.29 | 1079.29 | 1079.29 | 1079.29 | -0.000676 | 1.313387120809E-27 |
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| 04.09.202 | 1075.04 | 1075.04 | 1075.04 | 1075.04 | -0.001273 | 1.651200752732E-26 |
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| 28.08.202 | 1068.72 | 1068.72 | 1068.72 | 1068.72 | 0.003173 | 6.37591283031E-25 |
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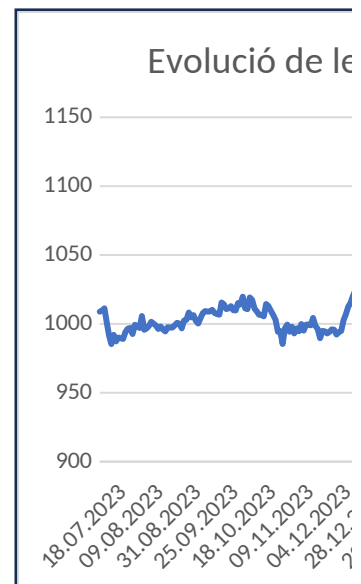
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| 06.02.2022 | 1048.85 | 1048.97 | 1045.94 | 1046.51 | -0.002406 | 2.109947958846E-25 |
| 05.02.2022 | 1051.38 | 1052.6 | 1046.08 | 1047.38 | 0.00451 | 2.602399640961E-24 |
| 02.02.2022 | 1046.66 | 1048.04 | 1045.99 | 1047.04 | 0.00249 | 2.420026193458E-25 |
| 01.02.2022 | 1044.06 | 1045.92 | 1039.81 | 1045.92 | 0.001727 | 5.597759582858E-26 |
| 31.01.2022 | 1042.26 | 1046.01 | 1039.93 | 1041.48 | 0.002212 | 1.505474164843E-25 |
| 30.01.2022 | 1039.96 | 1042.11 | 1037.83 | 1042.11 | 0.002555 | 2.680265038893E-25 |
| 29.01.2022 | 1037.31 | 1041.36 | 1036.4 | 1041.36 | -0.00026 | 2.885341309291E-29 |
| 26.01.2022 | 1037.58 | 1038.23 | 1033.42 | 1033.42 | 0.001747 | 5.867991714327E-26 |
| 25.01.2022 | 1035.77 | 1040.34 | 1035.77 | 1039.49 | 0.003148 | 6.176864256899E-25 |
| 24.01.2022 | 1032.52 | 1035.19 | 1032.14 | 1033.55 | -0.004061 | 1.711174201144E-24 |
| 23.01.2022 | 1036.73 | 1039.56 | 1035.79 | 1037.73 | 0.004194 | 1.947099325353E-24 |
| 22.01.2022 | 1032.4 | 1034.09 | 1031.63 | 1034.02 | -0.000987 | 5.972026721401E-27 |
| 19.01.2022 | 1033.42 | 1034.98 | 1031.19 | 1032.31 | -0.002644 | 3.076971436429E-25 |
| 18.01.2022 | 1036.16 | 1037.4 | 1033.34 | 1035.25 | -0.000125 | 1.558391907572E-30 |
| 17.01.2022 | 1036.29 | 1038.12 | 1033.77 | 1036.08 | -0.002522 | 2.545200285822E-25 |
| 16.01.2022 | 1038.91 | 1040.23 | 1036.46 | 1036.9 | 0.004185 | 1.93073991688E-24 |
| 12.01.2022 | 1034.58 | 1035.45 | 1032.67 | 1034.44 | 0.000174 | 5.769849394658E-30 |
| 11.01.2022 | 1034.4 | 1035.61 | 1031.37 | 1034.29 | 9.668E-05 | 5.49847690995E-31 |
| 10.01.2022 | 1034.3 | 1034.89 | 1031.47 | 1032.67 | -0.000889 | 3.925086197756E-27 |
| 09.01.2022 | 1035.22 | 1036.67 | 1034 | 1036.67 | -0.001716 | 5.462525634674E-26 |
| 08.01.2022 | 1037 | 1037.15 | 1032.35 | 1032.35 | -0.001088 | 8.833550826813E-27 |
| 05.01.2022 | 1038.13 | 1038.21 | 1034.38 | 1034.88 | 0.002772 | 3.716707246523E-25 |
| 04.01.2022 | 1035.26 | 1037.17 | 1033.94 | 1036.47 | -0.003878 | 1.422661879807E-24 |
| 03.01.2022 | 1039.29 | 1040.78 | 1037.9 | 1039.12 | -0.000106 | 7.893477857883E-31 |
| 02.01.2022 | 1039.4 | 1040.54 | 1038.4 | 1039.07 | 0.006907 | 1.432232089047E-23 |
| 29.12.2022 | 1032.27 | 1034.72 | 1030.66 | 1034.18 | 0.001961 | 9.299583309601E-26 |
| 28.12.2022 | 1030.25 | 1032.21 | 1027.89 | 1029.4 | 0.001546 | 3.591944288647E-26 |
| 27.12.2022 | 1028.66 | 1028.75 | 1025.58 | 1027.53 | -0.001349 | 2.08667339857E-26 |

| | | | | | | |
|-----------|---------|---------|---------|---------|-----------|--------------------|
| 22.12.202 | 1030.05 | 1032.61 | 1029.27 | 1032.48 | 0.000631 | 1.000334564662E-27 |
| 21.12.202 | 1029.4 | 1031.99 | 1027.66 | 1031.99 | -0.000379 | 1.294470780277E-28 |
| 20.12.202 | 1029.79 | 1031.75 | 1028.38 | 1029.65 | -0.001464 | 2.891986241869E-26 |
| 19.12.202 | 1031.3 | 1031.4 | 1027.2 | 1027.2 | -0.002804 | 3.890472611023E-25 |
| 18.12.202 | 1034.2 | 1034.92 | 1033.6 | 1034.78 | 0.002161 | 1.372080737913E-25 |
| 15.12.202 | 1031.97 | 1035.88 | 1031.52 | 1034.65 | 0.010774 | 8.479052432166E-23 |
| 14.12.202 | 1020.97 | 1026.5 | 1015.97 | 1026.5 | -0.00679 | 1.337710793885E-23 |
| 13.12.202 | 1027.95 | 1029.44 | 1022.9 | 1029.19 | 0.00422 | 1.996142170936E-24 |
| 12.12.202 | 1023.63 | 1029.11 | 1022.21 | 1029.11 | 0.000518 | 4.531684268816E-28 |
| 11.12.202 | 1023.1 | 1026.04 | 1022.6 | 1026.04 | -0.003497 | 9.40695292486E-25 |
| 08.12.202 | 1026.69 | 1027.4 | 1023.3 | 1023.3 | 0.002412 | 2.128351280821E-25 |
| 07.12.202 | 1024.22 | 1025.8 | 1023.25 | 1024.33 | 0.00396 | 1.547557320612E-24 |
| 06.12.202 | 1020.18 | 1024.94 | 1019.77 | 1023.24 | 0.004846 | 3.470402216418E-24 |
| 05.12.202 | 1015.26 | 1019.92 | 1014.8 | 1019.25 | 0.002766 | 3.680858586733E-25 |
| 04.12.202 | 1012.46 | 1016.52 | 1012.46 | 1016.52 | 0.005442 | 5.519088504283E-24 |
| 01.12.202 | 1006.98 | 1013.02 | 1006.76 | 1013.02 | 0.004449 | 2.464879866664E-24 |
| 30.11.202 | 1002.52 | 1005.06 | 1001.89 | 1003.56 | 0.00775 | 2.270311493025E-23 |
| 29.11.202 | 994.81 | 999.55 | 993.78 | 999.14 | 0.000956 | 5.253177532153E-27 |
| 28.11.202 | 993.86 | 994.04 | 990.24 | 994.04 | 0.001653 | 4.696474724871E-26 |
| 27.11.202 | 992.22 | 993.71 | 991.92 | 993.69 | -0.003515 | 9.606203000454E-25 |
| 24.11.202 | 995.72 | 996.17 | 992.25 | 992.31 | -0.000331 | 7.581579697785E-29 |
| 22.11.202 | 996.05 | 999.75 | 995.94 | 998.81 | 0.001831 | 7.065885612953E-26 |
| 21.11.202 | 994.23 | 997.14 | 993.77 | 995.44 | 0.001198 | 1.297625526954E-26 |
| 20.11.202 | 993.04 | 994.41 | 991.16 | 994.28 | -0.001589 | 4.007080809189E-26 |
| 17.11.202 | 994.62 | 995.43 | 990.26 | 993.94 | -0.000291 | 4.542399336687E-29 |
| 16.11.202 | 994.91 | 995.25 | 991.85 | 991.85 | 0.005376 | 5.255981664298E-24 |
| 15.11.202 | 989.59 | 994.93 | 989.33 | 993.94 | -0.006645 | 1.22703478485E-23 |
| 14.11.202 | 996.21 | 996.86 | 986.25 | 991.22 | -0.002423 | 2.170058960549E-25 |
| 13.11.202 | 998.63 | 1000.59 | 996.76 | 997.4 | -0.005636 | 6.348303419465E-24 |
| 10.11.202 | 1004.29 | 1004.32 | 998.76 | 998.77 | 0.005346 | 5.138289004125E-24 |
| 09.11.202 | 998.95 | 1004.03 | 997.92 | 1001.46 | -0.00061 | 8.727952437261E-28 |
| 08.11.202 | 999.56 | 1000.97 | 997.18 | 998.74 | 0.00019 | 8.221246598206E-30 |
| 07.11.202 | 999.37 | 1001.66 | 998.2 | 999.15 | 0.004301 | 2.153545901301E-24 |
| 06.11.202 | 995.09 | 998.71 | 993.45 | 996.84 | -0.004781 | 3.28674445284E-24 |
| 03.11.202 | 999.87 | 1000.57 | 992.47 | 994.62 | 0.005228 | 4.700302413272E-24 |
| 02.11.202 | 994.67 | 1000.23 | 990.05 | 1000.23 | -0.002107 | 1.239726399609E-25 |
| 01.11.202 | 996.77 | 1000.57 | 996.48 | 998.95 | 0.003756 | 1.252555164805E-24 |
| 31.10.202 | 993.04 | 997.9 | 988.51 | 996.58 | -0.00486 | 3.511274452954E-24 |
| 30.10.202 | 997.89 | 998.07 | 991.69 | 993.59 | 0.003611 | 1.069391040065E-24 |
| 27.10.202 | 994.3 | 996.12 | 991.02 | 994.91 | -0.005173 | 4.505174581424E-24 |
| 26.10.202 | 999.47 | 1000.81 | 993.55 | 995.21 | 0.002689 | 3.28816037066E-25 |
| 25.10.202 | 996.79 | 998.81 | 995.92 | 995.92 | 0.01159 | 1.135260628568E-22 |
| 24.10.202 | 985.37 | 997.11 | 984.87 | 996.29 | -0.009479 | 5.08080080955E-23 |
| 23.10.202 | 994.8 | 995.21 | 985.87 | 988.92 | 0.000583 | 7.28803580372E-28 |
| 20.10.202 | 994.22 | 994.54 | 991.65 | 994.07 | -0.008615 | 3.466747704097E-23 |
| 19.10.202 | 1002.86 | 1003.58 | 993.66 | 994.61 | -0.003498 | 9.41783698379E-25 |
| 18.10.202 | 1006.38 | 1010.3 | 1003.36 | 1003.45 | -0.003051 | 5.453494906179E-25 |

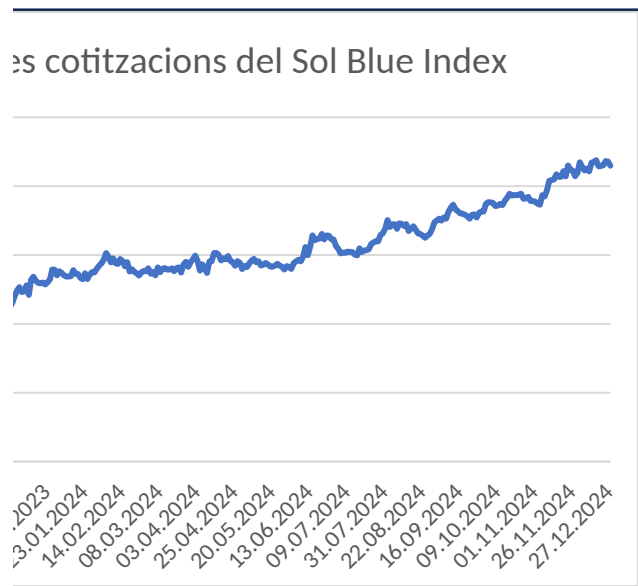
| | | | | | | |
|-----------|---------|---------|---------|---------|-----------|--------------------|
| 17.10.202 | 1009.46 | 1009.6 | 1004.51 | 1006.26 | -0.003367 | 8.084090899465E-25 |
| 16.10.202 | 1012.87 | 1013.87 | 1007.64 | 1008.37 | -0.001548 | 3.610120120152E-26 |
| 13.10.202 | 1014.44 | 1017.72 | 1012.67 | 1015.08 | 0.008951 | 4.039930612951E-23 |
| 12.10.202 | 1005.44 | 1015.08 | 1005.44 | 1012.94 | -0.001004 | 6.381829287114E-27 |
| 11.10.202 | 1006.45 | 1009.09 | 1004.22 | 1006.19 | -0.000119 | 1.271093678095E-30 |
| 10.10.202 | 1006.57 | 1007.81 | 1002.46 | 1007.08 | -0.002389 | 2.048172089594E-25 |
| 06.10.202 | 1008.98 | 1012.95 | 1003.68 | 1008.39 | -0.002195 | 1.461814139866E-25 |
| 05.10.202 | 1011.2 | 1011.29 | 1007.72 | 1009.43 | -0.006114 | 8.790001737697E-24 |
| 04.10.202 | 1017.42 | 1017.95 | 1009.64 | 1011.46 | -0.001746 | 5.854244460149E-26 |
| 03.10.202 | 1019.2 | 1021.03 | 1015.59 | 1015.97 | 0.00843 | 3.177841239827E-23 |
| 02.10.202 | 1010.68 | 1018.96 | 1010.22 | 1017.46 | -0.000613 | 8.889456997757E-28 |
| 29.09.202 | 1011.3 | 1013.77 | 1009.68 | 1013.44 | -0.008238 | 2.897717018307E-23 |
| 28.09.202 | 1019.7 | 1019.75 | 1011.72 | 1011.72 | 0.005552 | 5.978473993607E-24 |
| 27.09.202 | 1014.07 | 1019.01 | 1013.76 | 1018.54 | -0.001015 | 6.670249701663E-27 |
| 26.09.202 | 1015.1 | 1016.1 | 1013.26 | 1013.35 | 0.005328 | 5.071702524866E-24 |
| 25.09.202 | 1009.72 | 1015.04 | 1009.37 | 1015.03 | -0.000178 | 6.350457823132E-30 |
| 22.09.202 | 1009.9 | 1012.91 | 1009.27 | 1009.27 | -0.002922 | 4.589841279954E-25 |
| 21.09.202 | 1012.86 | 1014.21 | 1009.64 | 1009.86 | 0.001523 | 3.383428504085E-26 |
| 20.09.202 | 1011.32 | 1013.99 | 1007.97 | 1008.1 | 0.000564 | 6.364333468174E-28 |
| 19.09.202 | 1010.75 | 1011.54 | 1007.96 | 1010.99 | -0.003372 | 8.137479175294E-25 |
| 18.09.202 | 1014.17 | 1014.17 | 1009.75 | 1010.81 | -0.001339 | 2.024012115295E-26 |
| 15.09.202 | 1015.53 | 1016.53 | 1013.06 | 1013.06 | 0.008821 | 3.810363216099E-23 |
| 14.09.202 | 1006.65 | 1016.83 | 1006.31 | 1015 | -0.000437 | 2.292799486779E-28 |
| 13.09.202 | 1007.09 | 1008.63 | 1005.25 | 1006.55 | -0.000754 | 2.034694789404E-27 |
| 12.09.202 | 1007.85 | 1009.79 | 1004.91 | 1009.15 | -0.002326 | 1.842767298651E-25 |
| 11.09.202 | 1010.2 | 1011.13 | 1006.52 | 1007.03 | 0.001219 | 1.389747611901E-26 |
| 08.09.202 | 1008.97 | 1010.72 | 1006.76 | 1009.79 | 6.938E-05 | 1.458237211047E-31 |
| 07.09.202 | 1008.9 | 1011.34 | 1008.68 | 1009.65 | -0.000386 | 1.402888164366E-28 |
| 06.09.202 | 1009.29 | 1011.12 | 1007.72 | 1009.24 | 0.001419 | 2.550185765316E-26 |
| 05.09.202 | 1007.86 | 1012.52 | 1007.46 | 1010.77 | 0.003725 | 1.211078916198E-24 |
| 01.09.202 | 1004.12 | 1010.25 | 1002.64 | 1007.56 | 0.003899 | 1.454470092032E-24 |
| 31.08.202 | 1000.22 | 1006.55 | 1000.18 | 1005.11 | -0.001986 | 9.781509539797E-26 |
| 30.08.202 | 1002.21 | 1003.36 | 997.27 | 998.76 | -0.004074 | 1.733950828474E-24 |
| 29.08.202 | 1006.31 | 1007.32 | 1001.04 | 1005.37 | 0.001622 | 4.359813324281E-26 |
| 28.08.202 | 1004.68 | 1006.41 | 1004.22 | 1005.12 | -0.003521 | 9.671714175111E-25 |
| 25.08.202 | 1008.23 | 1009.58 | 1003.79 | 1008.13 | 0.005214 | 4.651912397964E-24 |
| 24.08.202 | 1003 | 1006.56 | 1002.01 | 1004 | 0.000579 | 7.052475508798E-28 |
| 23.08.202 | 1002.42 | 1006.81 | 1001.62 | 1003.86 | 0.005699 | 6.635815436525E-24 |
| 22.08.202 | 996.74 | 1003.91 | 996.32 | 1002.82 | -0.003439 | 8.805410572828E-25 |
| 21.08.202 | 1000.18 | 1000.58 | 998.06 | 998.63 | -0.00057 | 6.622554362199E-28 |
| 18.08.202 | 1000.75 | 1002 | 999.55 | 1000.86 | 0.001762 | 6.062260745384E-26 |
| 17.08.202 | 998.99 | 1001.4 | 997.27 | 1000.48 | 0.001685 | 5.066930371811E-26 |
| 16.08.202 | 997.31 | 999.29 | 996.18 | 997.66 | -4.01E-05 | 1.62808884859E-32 |
| 15.08.202 | 997.35 | 998.61 | 995.03 | 996.03 | -0.000291 | 4.492882710305E-29 |
| 14.08.202 | 997.64 | 1001.51 | 995.6 | 999.57 | 0.003147 | 6.174037129949E-25 |
| 11.08.202 | 994.51 | 996.97 | 993.1 | 994.85 | -0.001376 | 2.253630597664E-26 |
| 10.08.202 | 995.88 | 996.17 | 991.97 | 993.55 | -0.002234 | 1.567957653927E-25 |

| | | | | | | |
|-----------|---------|---------|---------|---------|-----------|--------------------|
| 09.08.202 | 998.11 | 998.45 | 996.06 | 996.89 | 0.001807 | 6.704101290408E-26 |
| 08.08.202 | 996.31 | 1000.56 | 996.31 | 999.53 | -0.002463 | 2.315831606026E-25 |
| 07.08.202 | 998.77 | 999.69 | 996.16 | 996.87 | -0.00141 | 2.485377092158E-26 |
| 04.08.202 | 1000.18 | 1001.19 | 994.38 | 995.79 | -0.001308 | 1.842159450134E-26 |
| 03.08.202 | 1001.49 | 1002.93 | 999.81 | 1001.7 | 0.003075 | 5.625082780405E-25 |
| 02.08.202 | 998.42 | 1002.35 | 997.46 | 1001.3 | 0.001716 | 5.451771986066E-26 |
| 01.08.202 | 996.71 | 998.54 | 995.74 | 998.16 | 0.000994 | 6.149224672044E-27 |
| 31.07.202 | 995.72 | 999.42 | 993.69 | 997.11 | -0.009884 | 6.005778848864E-23 |
| 28.07.202 | 1005.66 | 1008.5 | 994.04 | 994.04 | 0.008656 | 3.532147105555E-23 |
| 27.07.202 | 997.03 | 1007.45 | 992.85 | 1007.33 | -0.001442 | 2.722315089012E-26 |
| 26.07.202 | 998.47 | 998.73 | 995.31 | 998.73 | -0.000871 | 3.614534969792E-27 |
| 25.07.202 | 999.34 | 1004.38 | 998.47 | 999.07 | 0.006811 | 1.35379594093E-23 |
| 24.07.202 | 992.58 | 1000.08 | 991.72 | 998.97 | -0.004433 | 2.430731273027E-24 |
| 21.07.202 | 997 | 998.07 | 992.63 | 993.95 | 0.000502 | 3.98840552842E-28 |
| 20.07.202 | 996.5 | 1002.32 | 995.61 | 997.56 | 0.002404 | 2.102240207611E-25 |
| 19.07.202 | 994.11 | 996.84 | 991.65 | 996.84 | 0.005126 | 4.345151434021E-24 |
| 18.07.202 | 989.04 | 993.32 | 987.18 | 992.55 | -0.000505 | 4.101805891095E-28 |
| 17.07.202 | 989.54 | 991.23 | 988.49 | 989.5 | -0.000525 | 4.788459517857E-28 |
| 14.07.202 | 990.06 | 990.7 | 987.1 | 989.37 | 0.002796 | 3.842981418484E-25 |
| 13.07.202 | 987.3 | 992.07 | 981.58 | 992.07 | -0.004708 | 3.091020422231E-24 |
| 12.07.202 | 991.97 | 992.25 | 984.36 | 987.42 | 0.006739 | 1.297699085631E-23 |
| 11.07.202 | 985.33 | 993.9 | 985.33 | 993.9 | -0.006032 | 8.332883142288E-24 |
| 10.07.202 | 991.31 | 991.54 | 985.82 | 987.41 | -0.009611 | 5.369254228421E-23 |
| 07.07.202 | 1000.93 | 1002.55 | 990.44 | 991.62 | -0.010264 | 6.983621798031E-23 |
| 06.07.202 | 1011.31 | 1012.77 | 999.85 | 1002.32 | 0.001694 | 5.178638292772E-26 |
| 05.07.202 | 1009.6 | 1011.89 | 1007.57 | 1010.67 | 0.000763 | 2.135597731409E-27 |
| 04.07.202 | 1008.83 | 1012.5 | 1008.12 | 1008.12 | | |
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|----------------------------|
| MITJANA |
| MEDIANA |
| MÀXIM |
| MÍNIM |
| RECORREGUT |
| VARIÀNCIA |
| DESVIACIÓ TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALIT |
| COEF D'ASSIMETRIA |



| RENT EFECT DIA | RENDIBILITAT ACUMULADA |
|----------------|------------------------|
| 0.0282% | 10.51% |
| 0.008% | |
| 1.16% | |
| -1.026% | |
| 2.185% | |
| 0.00112% | |
| 0.335% | |
| 11.90 | |
| 0.0537 | |
| 0.096 | |



| Fecha | Último | Apertura | Máximo | Mínimo | Vol. | % var. | RENDIBILITAT EFECTIVA L |
|------------|--------|----------|--------|--------|---------|--------|-------------------------|
| 30.12.2021 | 168.48 | 168.81 | 168.81 | 168.51 | 0,01K | -0.08% | |
| 29.12.2021 | 168.62 | 169.39 | 169.42 | 168.53 | 0,02K | -0.50% | 0.000830959164292585 |
| 28.12.2021 | 169.47 | 172.36 | 172.47 | 172.09 | 0,01K | -0.03% | 0.00504092041276239 |
| 27.12.2021 | 169.52 | 169.5 | 169.5 | 169.45 | 0,04K | -1.75% | 0.000295037469758726 |
| 24.12.2021 | 172.54 | 172.54 | 172.54 | 172.54 | | +1.78% | 0.0178150070788107 |
| 23.12.2021 | 169.52 | 169.77 | 169.88 | 169.61 | 0,01K | -0.42% | -0.0175031876666279 |
| 22.12.2021 | 170.23 | 170.42 | 170.42 | 170.13 | 0,01K | -0.09% | 0.00418829636621036 |
| 21.12.2021 | 170.39 | 171.19 | 171.25 | 170.41 | 0,02K | -0.64% | 0.000939904834635473 |
| 20.12.2021 | 171.49 | 171.88 | 172.03 | 171.3 | 0,03K | -0.01% | 0.00645577792123964 |
| 17.12.2021 | 171.51 | 174.25 | 174.66 | 174.08 | 0,02K | +0.27% | 0.000116624876085963 |
| 16.12.2021 | 171.05 | 171.37 | 171.37 | 170.75 | 0,01K | -0.16% | -0.00268205935513952 |
| 15.12.2021 | 171.32 | 171.2 | 171.2 | 171.2 | 0,00K | -0.08% | 0.00157848582285871 |
| 14.12.2021 | 171.46 | 171.4 | 171.4 | 171.4 | 0,01K | -0.13% | 0.000817184216670644 |
| 13.12.2021 | 171.68 | 173.91 | 174.7 | 173.89 | 0,00K | +0.26% | 0.0012830980986819 |
| 10.12.2021 | 171.24 | 174.13 | 174.27 | 173.78 | 0,00K | +0.02% | -0.00256290773532152 |
| 09.12.2021 | 171.21 | 170.75 | 171.13 | 170.75 | 0,00K | -1.31% | -0.000175192711983188 |
| 08.12.2021 | 173.49 | 174.42 | 175.02 | 173.4 | 770,62K | -0.56% | 0.0133169791484142 |
| 07.12.2021 | 174.46 | 174.47 | 174.6 | 174.06 | 578,75K | -0.15% | 0.00559110035160527 |
| 06.12.2021 | 174.73 | 174.7 | 174.77 | 174.38 | 601,09K | +0.14% | 0.00154763269517357 |
| 03.12.2021 | 174.49 | 174.59 | 174.89 | 174.09 | 794,58K | +0.01% | -0.00137354775940011 |
| 02.12.2021 | 174.48 | 174.18 | 174.78 | 173.82 | 850,22K | +0.40% | -5.73098744914856E-05 |
| 01.12.2021 | 173.78 | 173.93 | 174.3 | 173.31 | 442,39K | -0.18% | -0.00401192113709301 |
| 30.11.2021 | 174.09 | 173.61 | 174.37 | 173.5 | 129,38K | +0.26% | 0.00178386465646221 |
| 29.11.2021 | 173.63 | 173.62 | 173.97 | 173.24 | 83,98K | -0.20% | -0.0026423114481016 |
| 26.11.2021 | 173.97 | 172.7 | 174.07 | 172.7 | 37,07K | +0.83% | 0.00195818694925994 |
| 25.11.2021 | 172.53 | 172.13 | 172.6 | 172.11 | 19,73K | +0.31% | -0.00827728918779099 |
| 24.11.2021 | 172 | 172.25 | 172.61 | 171.77 | 35,41K | -0.16% | -0.00307192951950386 |
| 23.11.2021 | 172.27 | 173.2 | 173.2 | 172.01 | 31,03K | -0.61% | 0.00156976744186052 |
| 22.11.2021 | 173.33 | 173.81 | 174.1 | 173.09 | 11,13K | -0.33% | 0.00615313171184769 |
| 19.11.2021 | 173.9 | 172.7 | 174 | 172.54 | 16,41K | +0.65% | 0.00328852477932264 |
| 18.11.2021 | 172.77 | 172.5 | 172.85 | 172.43 | 21,55K | +0.28% | -0.00649798734905115 |
| 17.11.2021 | 172.28 | 172.24 | 172.45 | 172.05 | 10,28K | -0.01% | -0.00283614053365752 |
| 16.11.2021 | 172.29 | 172.04 | 172.36 | 171.94 | 9,03K | +0.03% | 5.8045042953279E-05 |
| 15.11.2021 | 172.24 | 172.64 | 172.87 | 171.98 | 11,96K | -0.05% | -0.000290208369609281 |
| 12.11.2021 | 172.33 | 172.04 | 172.55 | 171.83 | 13,71K | +0.27% | 0.000522526706920596 |
| 11.11.2021 | 171.86 | 171.9 | 172.37 | 171.75 | 8,63K | -0.24% | -0.00272732548018336 |
| 10.11.2021 | 172.28 | 172.89 | 173 | 171.83 | 12,72K | -0.36% | 0.00244384964505986 |
| 09.11.2021 | 172.9 | 172.35 | 173.01 | 172.21 | 6,95K | +0.34% | 0.0035987926631066 |
| 08.11.2021 | 172.32 | 172.63 | 172.71 | 172.06 | 8,44K | -0.24% | -0.00335454019664553 |
| 05.11.2021 | 172.73 | 171.85 | 172.89 | 171.85 | 4,98K | +0.49% | 0.00237929433611883 |
| 04.11.2021 | 171.88 | 170.74 | 172.01 | 170.72 | 9,15K | +0.51% | -0.00492097493197473 |
| 03.11.2021 | 171 | 170.89 | 171.32 | 170.65 | 5,48K | +0.02% | -0.00511985105887826 |
| 02.11.2021 | 170.97 | 170.19 | 171.01 | 170.19 | 8,97K | +0.71% | -0.000175438596491235 |
| 01.11.2021 | 169.77 | 169.62 | 170.06 | 169.48 | 2,87K | +0.01% | -0.00701877522372339 |
| 29.10.2021 | 169.75 | 169.92 | 170.05 | 169.34 | 2,92K | -0.59% | -0.000117806444012548 |
| 28.10.2021 | 170.76 | 170.89 | 171.15 | 170.05 | 4,73K | -0.29% | 0.00594992636229744 |
| 27.10.2021 | 171.26 | 170.29 | 171.55 | 170.29 | 10,42K | +0.56% | 0.00292808620285781 |
| 26.10.2021 | 170.31 | 170.04 | 170.57 | 170.04 | 2,36K | +0.03% | -0.00554712133598031 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 25.10.2021 | 170.26 | 170.03 | 170.2 | 169.67 | 4,48K | +0.22% | -0.000293582291116267 |
| 22.10.2021 | 169.89 | 169.6 | 170.1 | 169.56 | 1,46K | +0.04% | -0.00217314695172092 |
| 21.10.2021 | 169.83 | 170.33 | 170.36 | 169.54 | 0,45K | -0.29% | -0.000353169698039754 |
| 20.10.2021 | 170.32 | 170.29 | 170.46 | 170.23 | 2,56K | +0.10% | 0.00288523817935571 |
| 19.10.2021 | 170.15 | 171 | 171.1 | 169.99 | 2,10K | -0.36% | -0.000998121183654225 |
| 18.10.2021 | 170.76 | 170.7 | 170.74 | 170.39 | 13,01K | -0.25% | 0.00358507199529818 |
| 15.10.2021 | 171.19 | 171.1 | 171.1 | 171.06 | 5,01K | -0.06% | 0.00251815413445776 |
| 14.10.2021 | 171.29 | 170.29 | 171.44 | 170.23 | 4,18K | +0.45% | 0.000584146270226032 |
| 13.10.2021 | 170.52 | 169.96 | 170.62 | 169.96 | 7,29K | +0.34% | -0.0044953003677972 |
| 12.10.2021 | 169.94 | 170.4 | 170.55 | 169.86 | 2,38K | -0.24% | -0.00340136054421776 |
| 11.10.2021 | 170.35 | 170.46 | 170.64 | 170.37 | 1,67K | -0.28% | 0.00241261621748851 |
| 08.10.2021 | 170.82 | 171.12 | 171.27 | 170.82 | 0,39K | -0.31% | 0.00275902553566187 |
| 07.10.2021 | 171.35 | 171.31 | 171.52 | 171.28 | 5,64K | +0.04% | 0.00310268118487297 |
| 06.10.2021 | 171.29 | 170.91 | 171.27 | 170.77 | 3,27K | -0.01% | -0.0003501604902247 |
| 05.10.2021 | 171.3 | 171.86 | 172.05 | 171.3 | 4,16K | -0.29% | 5.83805242572207E-05 |
| 04.10.2021 | 171.79 | 172 | 172.09 | 171.6 | 1,07K | -0.08% | 0.00286047869235249 |
| 01.10.2021 | 171.92 | 171.9 | 172.19 | 171.77 | 0,71K | +0.26% | 0.00075673787764128 |
| 30.09.2021 | 171.48 | 171.59 | 171.71 | 171.28 | 1,02K | -0.21% | -0.00255932992089343 |
| 29.09.2021 | 171.84 | 171.39 | 172 | 171.39 | 4,26K | +0.18% | 0.0020993701889434 |
| 28.09.2021 | 171.53 | 172 | 172 | 171.41 | 3,12K | -0.20% | -0.0018040037243948 |
| 27.09.2021 | 171.88 | 172.29 | 172.29 | 171.7 | 0,17K | -0.09% | 0.00204045939485801 |
| 24.09.2021 | 172.03 | 172.11 | 172.28 | 171.96 | 1,02K | -0.26% | 0.000872701885036105 |
| 23.09.2021 | 172.48 | 173.12 | 173.39 | 172.6 | 2,95K | -0.65% | 0.00261582282160082 |
| 22.09.2021 | 173.6 | 173.42 | 173.42 | 173.42 | 1,51K | +0.01% | 0.00649350649350652 |
| 21.09.2021 | 173.59 | 173.14 | 173.78 | 173.14 | 0,02K | +0.12% | -5.76036866358923E-05 |
| 20.09.2021 | 173.39 | 173.31 | 173.6 | 173.31 | 0,57K | +0.34% | -0.00115214010023629 |
| 17.09.2021 | 172.81 | 173 | 173 | 172.81 | 0,04K | -0.27% | -0.0033450602687582 |
| 16.09.2021 | 173.28 | 173.13 | 173.3 | 173 | 0,04K | -0.10% | 0.00271975001446675 |
| 15.09.2021 | 173.45 | 173.67 | 173.67 | 173.67 | 0,00K | -0.20% | 0.000981071098799558 |
| 14.09.2021 | 173.79 | 173.2 | 173.82 | 173.2 | 0,26K | +0.06% | 0.00196021908330933 |
| 13.09.2021 | 173.68 | 173.6 | 173.72 | 173.59 | 0,02K | -0.05% | -0.000632947810575897 |
| 10.09.2021 | 173.76 | 173.9 | 173.9 | 173.9 | 0,00K | -0.21% | 0.000460617227084201 |
| 09.09.2021 | 174.12 | 173.28 | 174.07 | 173.28 | 0,01K | +1.42% | 0.00207182320441997 |
| 08.09.2021 | 171.69 | 171.59 | 171.89 | 171.45 | 666,19K | +0.04% | -0.0139558924879394 |
| 07.09.2021 | 171.62 | 172.17 | 172.29 | 171.49 | 885,56K | -0.43% | -0.000407711573184188 |
| 06.09.2021 | 172.36 | 172.23 | 172.39 | 172.01 | 555,65K | +0.04% | 0.00431185176552855 |
| 03.09.2021 | 172.29 | 172.53 | 172.76 | 172.01 | 893,86K | -0.17% | -0.000406126711534124 |
| 02.09.2021 | 172.58 | 172.36 | 172.76 | 172.33 | 1,09M | +0.13% | 0.00168320854373452 |
| 01.09.2021 | 172.35 | 172.5 | 172.59 | 172.08 | 463,07K | -0.11% | -0.00133271526248707 |
| 31.08.2021 | 172.54 | 173.5 | 173.54 | 172.44 | 258,70K | -0.47% | 0.00110240789091963 |
| 30.08.2021 | 173.36 | 173.17 | 173.48 | 172.92 | 41,14K | +0.16% | 0.00475252115451502 |
| 27.08.2021 | 173.08 | 172.96 | 173.18 | 172.74 | 53,57K | +0.03% | -0.00161513613290264 |
| 26.08.2021 | 173.02 | 173.05 | 173.23 | 172.8 | 47,28K | -0.03% | -0.000346660503813279 |
| 25.08.2021 | 173.07 | 173.86 | 173.93 | 173 | 46,14K | -0.48% | 0.000288983932493255 |
| 24.08.2021 | 173.91 | 173.92 | 174.14 | 173.76 | 6,92K | -0.03% | 0.00485352747443233 |
| 23.08.2021 | 173.97 | 174.2 | 174.2 | 173.69 | 9,73K | -0.15% | 0.000345006037605671 |
| 20.08.2021 | 174.23 | 174.13 | 174.29 | 174.12 | 1,73K | +0.06% | 0.00149451054779554 |
| 19.08.2021 | 174.12 | 174.12 | 174.31 | 173.97 | 9,07K | +0.07% | -0.00063134936578078 |
| 18.08.2021 | 173.99 | 173.84 | 174.15 | 173.84 | 21,01K | +0.06% | -0.000746611532276565 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 17.08.2021 | 173.89 | 173.91 | 174.33 | 173.8 | 0,50K | 0.00% | -0.000574745675038926 |
| 16.08.2021 | 173.89 | 174.01 | 174.12 | 173.62 | 0,89K | +0.09% | |
| 13.08.2021 | 173.73 | 173.6 | 173.86 | 173.39 | 1,00K | +0.03% | -0.000920121916153871 |
| 12.08.2021 | 173.67 | 173.79 | 173.79 | 173.45 | 0,87K | +0.01% | -0.000345363495078583 |
| 11.08.2021 | 173.66 | 173.62 | 173.83 | 173.31 | 0,49K | -0.01% | -5.75804687049629E-05 |
| 10.08.2021 | 173.68 | 173.75 | 174.01 | 173.51 | 0,36K | +0.04% | 0.000115167568812681 |
| 09.08.2021 | 173.61 | 173.51 | 173.95 | 173.51 | 0,23K | +0.01% | -0.000403040073698717 |
| 06.08.2021 | 173.59 | 174.23 | 174.23 | 173.57 | 1,32K | -0.45% | -0.000115200737284778 |
| 05.08.2021 | 174.38 | 173.83 | 174.58 | 173.83 | 1,26K | +0.20% | 0.0045509533959329 |
| 04.08.2021 | 174.03 | 174.11 | 174.55 | 173.99 | 5,61K | -0.02% | -0.0020071109072141 |
| 03.08.2021 | 174.07 | 173.9 | 174.14 | 173.83 | 2,40K | +0.09% | 0.000229845428948986 |
| 02.08.2021 | 173.92 | 173.68 | 174.12 | 173.49 | 0,60K | +0.14% | -0.000861722295628228 |
| 30.07.2021 | 173.67 | 173.76 | 173.77 | 173.48 | 0,33K | +0.07% | -0.00143744250229991 |
| 29.07.2021 | 173.54 | 173.63 | 173.63 | 173.19 | 0,51K | +0.02% | -0.000748546093165172 |
| 28.07.2021 | 173.51 | 173.4 | 173.73 | 173.4 | 2,58K | +0.09% | -0.000172870807882915 |
| 27.07.2021 | 173.36 | 173.29 | 173.38 | 173.26 | 1,18K | +0.25% | -0.000864503486830599 |
| 26.07.2021 | 172.93 | 173.27 | 173.41 | 172.84 | 2,88K | +0.01% | -0.00248038763267194 |
| 23.07.2021 | 172.91 | 172.99 | 173.04 | 172.7 | 0,22K | -0.08% | -0.000115653732724283 |
| 22.07.2021 | 173.04 | 172.67 | 173.04 | 172.67 | 3,08K | +0.24% | 0.000751836215372133 |
| 21.07.2021 | 172.63 | 172.86 | 172.95 | 172.58 | 0,87K | -0.19% | -0.0023693943596856 |
| 20.07.2021 | 172.95 | 172.76 | 173.32 | 172.74 | 0,55K | +0.19% | 0.00185367549093433 |
| 19.07.2021 | 172.63 | 172.4 | 172.72 | 172.21 | 0,67K | +0.37% | -0.00185024573576174 |
| 16.07.2021 | 171.99 | 171.8 | 172.13 | 171.8 | 0,40K | +0.17% | -0.00370735098186866 |
| 15.07.2021 | 171.7 | 171.75 | 171.86 | 171.75 | 0,11K | +0.13% | -0.00168614454328752 |
| 14.07.2021 | 171.47 | 170.85 | 171.43 | 170.85 | 0,08K | +0.13% | -0.00133954571927775 |
| 13.07.2021 | 171.25 | 174.05 | 174.31 | 173.7 | 0,38K | +0.04% | -0.00128302326937656 |
| 12.07.2021 | 171.18 | 173.91 | 174.32 | 173.91 | 456,60K | +0.09% | -0.000408759124087551 |
| 09.07.2021 | 171.03 | 171.09 | 171.32 | 171.05 | 0,01K | -0.26% | -0.000876270592358954 |
| 08.07.2021 | 171.47 | 171.5 | 171.88 | 171.5 | 0,07K | +0.19% | 0.0025726480734374 |
| 07.07.2021 | 171.15 | 170.91 | 171.23 | 170.91 | 2,67K | +0.24% | -0.00186621566454769 |
| 06.07.2021 | 170.74 | 170 | 170.74 | 170 | 0,21K | +0.53% | -0.00239555945077415 |
| 05.07.2021 | 169.84 | 173.12 | 173.18 | 172.65 | 344,34K | -0.23% | -0.00527117254304794 |
| 02.07.2021 | 170.23 | 170.2 | 170.29 | 170.2 | 0,20K | +0.32% | 0.00229627885068292 |
| 01.07.2021 | 169.69 | 172.5 | 172.69 | 172.22 | 0,45K | -0.04% | -0.00317217881689474 |
| 30.06.2021 | 169.76 | 169.53 | 169.53 | 169.53 | 0,00K | +0.32% | 0.000412516942660105 |
| 29.06.2021 | 169.22 | 172.25 | 172.33 | 171.86 | 0,00K | -0.11% | -0.00318096135721013 |
| 28.06.2021 | 169.41 | 169.37 | 169.37 | 169.37 | 0,00K | +0.29% | 0.00112279872355512 |
| 25.06.2021 | 168.92 | 169.36 | 169.39 | 168.98 | 0,01K | -0.33% | -0.00289239124018658 |
| 24.06.2021 | 169.48 | 172.21 | 172.39 | 171.88 | 573,16K | +0.09% | 0.0033151787828558 |
| 23.06.2021 | 169.32 | 169.43 | 169.46 | 169.43 | 0,30K | +0.13% | -0.000944064196365333 |
| 22.06.2021 | 169.1 | 169.25 | 169.25 | 169.25 | 0,00K | -0.12% | -0.00129931490668556 |
| 21.06.2021 | 169.31 | 169.87 | 169.87 | 169.26 | 0,26K | -0.26% | 0.00124186871673571 |
| 18.06.2021 | 169.75 | 169.61 | 169.64 | 169.61 | 0,00K | +0.09% | 0.00259878329691098 |
| 17.06.2021 | 169.59 | 169.01 | 169.82 | 169.01 | 0,22K | -0.05% | -0.000942562592047108 |
| 16.06.2021 | 169.68 | 169.7 | 169.7 | 169.5 | 0,01K | +0.12% | 0.00053069166814083 |
| 15.06.2021 | 169.47 | 169.69 | 169.69 | 169.69 | 0,01K | -0.19% | -0.00123762376237628 |
| 14.06.2021 | 169.8 | 170.11 | 170.11 | 169.69 | 0,00K | -0.14% | 0.00194724730040723 |
| 11.06.2021 | 170.04 | 170.24 | 170.24 | 170.13 | 0,00K | +0.18% | 0.00141342756183734 |
| 10.06.2021 | 169.73 | 169.38 | 169.93 | 169.38 | 0,00K | -0.07% | -0.00182310044695367 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 09.06.2021 | 169.85 | 172.11 | 172.85 | 172.08 | 715,68K | -1.31% | 0.00070700524362225 |
| 08.06.2021 | 172.1 | 171.72 | 172.3 | 171.7 | 733,13K | +0.20% | 0.0132469826317339 |
| 07.06.2021 | 171.75 | 171.92 | 172.03 | 171.65 | 564,57K | -0.11% | -0.00203370133643227 |
| 04.06.2021 | 171.94 | 171.49 | 172.05 | 171.41 | 786,45K | +0.26% | 0.00110625909752546 |
| 03.06.2021 | 171.5 | 171.76 | 171.76 | 171.37 | 819,28K | -0.12% | -0.00255903222054204 |
| 02.06.2021 | 171.71 | 171.5 | 171.76 | 171.43 | 905,32K | +0.19% | 0.00122448979591841 |
| 01.06.2021 | 171.38 | 171.57 | 171.7 | 171.2 | 624,71K | -0.06% | -0.0019218449711724 |
| 31.05.2021 | 171.49 | 171.42 | 171.63 | 170.99 | 142,31K | 0.00% | 0.000641848523748475 |
| 28.05.2021 | 171.49 | 171.33 | 171.63 | 171.07 | 98,89K | +0.09% | |
| 27.05.2021 | 171.34 | 171.86 | 171.96 | 171.23 | 56,38K | -0.31% | -0.000874686570645552 |
| 26.05.2021 | 171.88 | 171.42 | 171.98 | 171.27 | 45,54K | +0.39% | 0.00315162834130963 |
| 25.05.2021 | 171.22 | 170.84 | 171.47 | 170.82 | 93,91K | +0.23% | -0.0038398882941587 |
| 24.05.2021 | 170.83 | 170.77 | 170.93 | 170.56 | 28,19K | +0.11% | -0.00227777128840081 |
| 21.05.2021 | 170.64 | 170.32 | 170.82 | 170.27 | 23,38K | +0.18% | -0.00111221682374306 |
| 20.05.2021 | 170.33 | 170.13 | 170.39 | 169.95 | 17,60K | -0.04% | -0.0018166901078292 |
| 19.05.2021 | 170.39 | 170.22 | 170.58 | 169.75 | 27,37K | +0.05% | 0.000352257382727493 |
| 18.05.2021 | 170.3 | 170.25 | 170.59 | 170.17 | 10,61K | -0.04% | -0.000528200011737631 |
| 17.05.2021 | 170.36 | 170.68 | 170.86 | 170.2 | 6,47K | -0.08% | 0.000352319436288915 |
| 14.05.2021 | 170.49 | 170.41 | 170.72 | 170.26 | 7,41K | +0.06% | 0.000763089927212934 |
| 13.05.2021 | 170.39 | 170.41 | 170.55 | 170.08 | 12,71K | -0.03% | -0.000586544665376402 |
| 12.05.2021 | 170.44 | 171.07 | 171.29 | 170.34 | 14,24K | -0.33% | 0.000293444450965499 |
| 11.05.2021 | 171 | 171.78 | 171.78 | 170.97 | 6,12K | -0.52% | 0.0032856137057029 |
| 10.05.2021 | 171.89 | 171.72 | 171.9 | 171.56 | 3,02K | -0.12% | 0.00520467836257302 |
| 07.05.2021 | 172.1 | 172.05 | 172.6 | 171.84 | 7,96K | -0.07% | 0.00122171155971847 |
| 06.05.2021 | 172.22 | 172.3 | 172.5 | 171.88 | 4,55K | +0.08% | 0.00069726902963396 |
| 05.05.2021 | 172.09 | 172.05 | 172.28 | 171.92 | 4,04K | -0.12% | -0.000754848449657389 |
| 04.05.2021 | 172.3 | 171.65 | 172.42 | 171.58 | 9,70K | +0.31% | 0.00122029170782735 |
| 03.05.2021 | 171.77 | 171.5 | 171.95 | 171.04 | 5,10K | +0.09% | -0.00307603017991875 |
| 30.04.2021 | 171.61 | 171.65 | 171.77 | 171.57 | 4,79K | +0.08% | -0.000931478139372397 |
| 29.04.2021 | 171.48 | 172.14 | 172.14 | 171.29 | 11,60K | -0.38% | -0.00075753161237704 |
| 28.04.2021 | 172.14 | 172.18 | 172.18 | 171.68 | 4,52K | -0.17% | 0.00384884534639606 |
| 27.04.2021 | 172.44 | 172.49 | 172.52 | 172.26 | 1,01K | -0.04% | 0.00174276751481359 |
| 26.04.2021 | 172.51 | 172.18 | 172.59 | 172.17 | 0,34K | 0.00% | 0.000405938297378759 |
| 23.04.2021 | 172.51 | 172.6 | 172.8 | 172.39 | 3,16K | -0.08% | |
| 22.04.2021 | 172.64 | 172.42 | 172.79 | 172.36 | 1,02K | +0.05% | 0.000753579502637502 |
| 21.04.2021 | 172.56 | 172.5 | 172.75 | 172.5 | 3,52K | +0.08% | -0.000463392029656998 |
| 20.04.2021 | 172.42 | 171.76 | 172.56 | 171.76 | 4,77K | +0.16% | -0.000811312007417796 |
| 19.04.2021 | 172.14 | 172.67 | 172.74 | 171.88 | 4,63K | -0.28% | -0.00162394153810464 |
| 16.04.2021 | 172.62 | 172.7 | 172.81 | 172.5 | 2,00K | -0.25% | 0.00278842802370174 |
| 15.04.2021 | 173.06 | 172.63 | 173.26 | 172.63 | 0,67K | +0.28% | 0.00254895145406093 |
| 14.04.2021 | 172.58 | 173.02 | 173.02 | 172.45 | 0,95K | -0.24% | -0.00277360453022067 |
| 13.04.2021 | 172.99 | 172.9 | 173.12 | 172.86 | 0,36K | -0.03% | 0.00237570981573761 |
| 12.04.2021 | 173.04 | 173.3 | 173.57 | 172.99 | 0,60K | -0.04% | 0.000289034048210781 |
| 09.04.2021 | 173.11 | 173.57 | 173.57 | 172.98 | 0,05K | -0.32% | 0.000404530744336694 |
| 08.04.2021 | 173.67 | 173.58 | 173.79 | 173.58 | 1,35K | +0.14% | 0.00323493732308921 |
| 07.04.2021 | 173.43 | 173.55 | 173.73 | 173.51 | 0,01K | -0.01% | -0.00138193124892026 |
| 06.04.2021 | 173.44 | 173.26 | 173.47 | 173.1 | 0,00K | +1.00% | 5.76601510695434E-05 |
| 02.04.2021 | 171.73 | 171.73 | 171.73 | 171.73 | | -1.08% | -0.00985931734317348 |
| 01.04.2021 | 173.61 | 173.09 | 173.59 | 173.09 | 0,01K | +0.31% | 0.0109474174576371 |

| | | | | | | | |
|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 31.03.2021 | 173.07 | 172.88 | 172.88 | 172.88 | 0,00K | +0.16% | -0.00311041990668752 |
| 30.03.2021 | 172.8 | 173.2 | 173.2 | 172.55 | 0,01K | -0.37% | -0.00156006240249599 |
| 29.03.2021 | 173.45 | 174.07 | 174.07 | 173.7 | 0,00K | -0.29% | 0.00376157407407394 |
| 26.03.2021 | 173.96 | 174.19 | 174.19 | 173.81 | 0,00K | -0.26% | 0.00294032862496408 |
| 25.03.2021 | 174.42 | 174.22 | 174.37 | 174.22 | 0,01K | +0.26% | 0.00264428604276834 |
| 24.03.2021 | 173.97 | 173.96 | 174 | 173.94 | 0,01K | +0.14% | -0.00257997936016505 |
| 23.03.2021 | 173.73 | 173.6 | 173.6 | 173.6 | 0,01K | +0.24% | -0.00137954819796522 |
| 22.03.2021 | 173.31 | 171.3 | 171.8 | 171.23 | 584,36K | +0.18% | -0.00241754446554992 |
| 19.03.2021 | 172.99 | 172.5 | 173.12 | 172.5 | 0,00K | +0.29% | -0.00184640240032308 |
| 18.03.2021 | 172.49 | 172.55 | 172.55 | 172.28 | 0,02K | -0.25% | -0.00289034048210879 |
| 17.03.2021 | 172.92 | 171.68 | 171.8 | 170.98 | 817,35K | -0.41% | 0.00249289813902243 |
| 16.03.2021 | 173.63 | 171.77 | 172 | 171.64 | 689,01K | -0.03% | 0.00410594494563965 |
| 15.03.2021 | 173.68 | 171.32 | 171.87 | 171.2 | 0,00K | +0.38% | 0.000287968669008877 |
| 12.03.2021 | 173.02 | 171.62 | 171.65 | 171.05 | 733,60K | -0.30% | -0.0038000921234454 |
| 11.03.2021 | 173.54 | 171.43 | 172.2 | 171.3 | 986,92K | +0.18% | 0.00300543289793077 |
| 10.03.2021 | 173.22 | 171.38 | 171.53 | 171.07 | 588,85K | +0.05% | -0.00184395528408432 |
| 09.03.2021 | 173.13 | 170.93 | 171.7 | 170.83 | 740,72K | +1.32% | -0.000519570488396279 |
| 08.03.2021 | 170.88 | 171.09 | 171.21 | 170.78 | 626,20K | -0.14% | -0.0129960145555363 |
| 05.03.2021 | 171.12 | 170.77 | 171.42 | 170.72 | 953,51K | -0.16% | 0.00140449438202253 |
| 04.03.2021 | 171.39 | 170.88 | 171.63 | 170.82 | 713,92K | +0.19% | 0.00157784011220186 |
| 03.03.2021 | 171.07 | 172.08 | 172.09 | 170.87 | 847,20K | -0.42% | -0.00186708676118789 |
| 02.03.2021 | 171.79 | 171.8 | 172.03 | 171.27 | 699,86K | +0.06% | 0.00420880341380721 |
| 01.03.2021 | 171.69 | 171.12 | 171.87 | 170.9 | 285,51K | +0.68% | -0.000582106059724049 |
| 26.02.2021 | 170.53 | 169.38 | 171.05 | 169.29 | 159,59K | +0.20% | -0.00675636321276718 |
| 25.02.2021 | 170.19 | 171.15 | 171.18 | 169.24 | 147,73K | -0.57% | -0.00199378408491177 |
| 24.02.2021 | 171.17 | 171.55 | 171.66 | 170.78 | 51,25K | -0.17% | 0.005758270168635 |
| 23.02.2021 | 171.47 | 171.75 | 171.75 | 170.95 | 39,83K | -0.22% | 0.00175264357071923 |
| 22.02.2021 | 171.84 | 171.06 | 172.1 | 170.73 | 51,66K | +0.32% | 0.00215781186213334 |
| 19.02.2021 | 171.3 | 171.77 | 171.77 | 171.11 | 51,40K | -0.29% | -0.00314245810055861 |
| 18.02.2021 | 171.8 | 172.28 | 172.28 | 171.55 | 9,56K | -0.20% | 0.00291885580852306 |
| 17.02.2021 | 172.15 | 171.51 | 172.27 | 171.51 | 12,58K | +0.14% | 0.00203725261932476 |
| 16.02.2021 | 171.91 | 172.5 | 172.51 | 171.67 | 34,03K | -0.25% | -0.00139413302352605 |
| 15.02.2021 | 172.34 | 172.65 | 172.69 | 172.3 | 12,37K | -0.43% | 0.00250130882438489 |
| 12.02.2021 | 173.08 | 173.46 | 173.46 | 172.89 | 9,01K | -0.27% | 0.00429383776256243 |
| 11.02.2021 | 173.54 | 173.41 | 173.7 | 173.41 | 5,96K | +0.18% | 0.00265773052923492 |
| 10.02.2021 | 173.22 | 173.3 | 173.47 | 173.21 | 1,50K | -0.06% | -0.00184395528408432 |
| 09.02.2021 | 173.33 | 173.14 | 173.4 | 173.14 | 0,43K | +0.05% | 0.00063503059692884 |
| 08.02.2021 | 173.24 | 172.88 | 173.22 | 172.88 | 0,06K | -0.02% | -0.000519240754629916 |
| 05.02.2021 | 173.28 | 173.49 | 173.5 | 172.83 | 8,57K | -0.08% | 0.000230893558069684 |
| 04.02.2021 | 173.42 | 173.5 | 173.64 | 173.23 | -11,12K | -0.09% | 0.000807940904893735 |
| 03.02.2021 | 173.57 | 173.67 | 173.74 | 173.49 | 0,31K | -0.16% | 0.000864952139314991 |
| 02.02.2021 | 173.85 | 174.29 | 174.3 | 173.77 | 11,66K | -0.27% | 0.00161318200149796 |
| 01.02.2021 | 174.32 | 174.36 | 174.36 | 174.19 | 0,06K | -0.02% | 0.00270348001150416 |
| 29.01.2021 | 174.35 | 174.64 | 174.67 | 174.12 | 1,36K | -0.30% | 0.00017209729233594 |
| 28.01.2021 | 174.87 | 174.81 | 175.03 | 174.63 | 0,55K | -0.01% | 0.00298250645253806 |
| 27.01.2021 | 174.89 | 174.63 | 175.22 | 174.56 | 4,83K | +0.15% | 0.000114370675358734 |
| 26.01.2021 | 174.62 | 175 | 175.01 | 174.71 | 1,64K | -0.18% | -0.00154382754874482 |

| | | | | | | | |
|-------------------|--------|--------|--------|--------|-------|--------|-----------------------|
| 25.01.2021 | 174.93 | 174.81 | 174.9 | 174.81 | 1,60K | +0.38% | 0.00177528347268355 |
| 22.01.2021 | 174.26 | 173.92 | 174.32 | 173.92 | 0,49K | +0.21% | -0.0038301034699595 |
| 21.01.2021 | 173.9 | 174.57 | 174.57 | 174 | 0,34K | -0.37% | -0.00206587857224828 |
| 20.01.2021 | 174.55 | 174.48 | 174.48 | 174.47 | 0,09K | +0.03% | 0.00373778033352505 |
| 19.01.2021 | 174.5 | 174.29 | 174.53 | 174.25 | 0,51K | +0.02% | -0.00028645087367523 |
| 18.01.2021 | 174.47 | 174.39 | 174.39 | 174.39 | 0,40K | -0.17% | -0.000171919770773646 |
| 15.01.2021 | 174.76 | 174.77 | 174.99 | 174.64 | 0,04K | -0.10% | 0.00166217687854641 |
| 14.01.2021 | 174.94 | 174.54 | 175 | 174.54 | 0,04K | +0.28% | 0.00102998397802705 |
| 13.01.2021 | 174.46 | 173.87 | 174.65 | 173.87 | 0,70K | +0.53% | -0.00274379787355659 |
| 12.01.2021 | 173.54 | 173.85 | 173.91 | 173.62 | 0,21K | -0.28% | -0.00527341510948077 |
| 11.01.2021 | 174.03 | 174.46 | 174.53 | 174 | 0,03K | -0.21% | 0.00282355652875423 |
| 08.01.2021 | 174.4 | 174.49 | 174.53 | 174.49 | 0,39K | +0.02% | 0.00212607021777857 |
| 07.01.2021 | 174.36 | 174.36 | 174.76 | 174.36 | 0,11K | -0.07% | -0.000229357798165092 |
| 06.01.2021 | 174.48 | 174.75 | 174.75 | 174.17 | 0,01K | -0.30% | 0.000688231245698418 |
| 05.01.2021 | 175.01 | 175.29 | 175.3 | 174.88 | 0,11K | -0.13% | 0.00303759743237048 |
| 04.01.2021 | 175.24 | 175.06 | 175.36 | 174.98 | 0,04K | -1.46% | 0.0013142106165363 |

(REND + MITJANA)⁴

| |
|------------------|
| 2.035942634E-13 |
| 5.6790982632E-10 |
| 3.4012521957E-16 |
| 9.717329249E-08 |
| 9.7319760304E-08 |
| 2.6352134815E-10 |
| 3.7142489856E-13 |
| 1.5718418535E-09 |
| 3.2962881952E-18 |
| 6.5172521488E-11 |
| 4.0573026047E-12 |
| 1.8740068823E-13 |
| 1.595345064E-12 |
| 5.4908953601E-11 |
| 1.2508513913E-14 |
| 2.99726977E-08 |
| 8.7055494636E-10 |
| 3.7158342593E-12 |
| 5.5197791832E-12 |
| 2.1988039876E-15 |
| 3.027091314E-10 |
| 6.966556908E-12 |
| 6.1601446933E-11 |
| 1.0473187276E-11 |
| 5.0658706043E-09 |
| 1.0900237038E-10 |
| 3.958522364E-12 |
| 1.2907353492E-09 |
| 9.5892243794E-11 |
| 1.9641383866E-09 |
| 8.0501642683E-11 |
| 1.0484281962E-16 |
| 4.0803502653E-14 |
| 1.7419070921E-14 |
| 6.9426018813E-11 |
| 2.7242835679E-11 |
| 1.3996218084E-10 |
| 1.524388192E-10 |
| 2.4291751388E-11 |
| 6.6608003855E-10 |
| 7.7666682973E-10 |
| 1.2545341595E-14 |
| 2.6547041935E-09 |
| 5.8908093552E-15 |
| 1.1244026588E-09 |
| 5.8775843498E-11 |
| 1.0603161035E-09 |

| |
|---------------|
| CLASSE |
| -20% |
| |
| 20% |

| |
|----------------------------|
| MITJANA |
| MEDIANA |
| MAXIM |
| MINIM |
| RECORREGUT |
| VARIANÇA |
| DESVIACIO TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALIT |
| COEF D'ASSIMETRIA |
| CURTOSI |
| CONTRAST JARQUE-B |
| INV CHIQUADRAT |

| |
|------------------|
| 4.2042599567E-14 |
| 2.9593628204E-11 |
| 6.8936661711E-14 |
| 5.5221199838E-11 |
| 1.7941848608E-12 |
| 1.3774222797E-10 |
| 3.0963687997E-11 |
| 3.2598349373E-14 |
| 4.6935894663E-10 |
| 1.6072752782E-10 |
| 2.5783339789E-11 |
| 4.5682920446E-11 |
| 7.5062802783E-11 |
| 6.7331487181E-14 |
| 1.0345934256E-16 |
| 5.3242136368E-11 |
| 1.2745646232E-13 |
| 5.4620846561E-11 |
| 1.4168652277E-11 |
| 1.4855657656E-11 |
| 1.2524574966E-11 |
| 2.5911755413E-13 |
| 3.6419135232E-11 |
| 1.6098554048E-09 |
| 2.2107618461E-15 |
| 2.9573783395E-12 |
| 1.508003859E-10 |
| 4.2984288273E-11 |
| 4.5618626252E-13 |
| 1.0520590438E-11 |
| 3.9382225879E-13 |
| 8.2503852637E-15 |
| 1.3380935324E-11 |
| 3.969530486E-08 |
| 1.0331576205E-13 |
| 2.9736351315E-10 |
| 1.0216534636E-13 |
| 5.39399374E-12 |
| 4.9546917189E-12 |
| 7.913460038E-13 |
| 4.4513756913E-10 |
| 9.9123637036E-12 |
| 6.5499967932E-14 |
| 2.8341557719E-16 |
| 4.8560238842E-10 |
| 1.1910170918E-15 |
| 3.1789552498E-12 |
| 3.9065328867E-13 |
| 6.7331343587E-13 |

| |
|------------------|
| 2.9022645156E-13 |
| 6.4290553962E-16 |
| 1.357248242E-12 |
| 6.4830833788E-14 |
| 2.209815129E-15 |
| 3.7709066967E-18 |
| 9.995242916E-14 |
| 5.6722925407E-15 |
| 3.7199593238E-10 |
| 2.2024735434E-11 |
| 2.4859426016E-17 |
| 1.0864987272E-12 |
| 6.4993231329E-12 |
| 6.7908370876E-13 |
| 1.2164731985E-14 |
| 1.0983861291E-12 |
| 4.8547509325E-11 |
| 5.7098371802E-15 |
| 1.2332525491E-13 |
| 4.0882765554E-11 |
| 8.2433917241E-12 |
| 1.6305526884E-11 |
| 2.2351691864E-10 |
| 1.1596907878E-11 |
| 5.0460511762E-12 |
| 4.3268454438E-12 |
| 1.040814707E-13 |
| 1.1497640474E-12 |
| 3.3925566093E-11 |
| 1.6830078032E-11 |
| 4.2601355989E-11 |
| 8.6961994415E-10 |
| 2.0857115849E-11 |
| 1.2317256849E-10 |
| 4.1154875334E-15 |
| 1.2447658367E-10 |
| 8.6203106198E-13 |
| 8.6721144196E-11 |
| 9.9201304944E-11 |
| 1.4817406748E-12 |
| 4.525685966E-12 |
| 1.3738117201E-12 |
| 3.541915013E-11 |
| 1.4736904514E-12 |
| 1.9038626751E-14 |
| 3.8072306863E-12 |
| 1.0220746775E-11 |
| 2.4743308331E-12 |
| 1.5442159297E-11 |

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|------------------|
| 9.0031766097E-14 |
| 2.9339974543E-08 |
| 2.3126163388E-11 |
| 8.0435041535E-13 |
| 5.4596925149E-11 |
| 1.2877010003E-12 |
| 1.8756618506E-11 |
| 5.4250062983E-14 |
| 6.4290553962E-16 |
| 1.142744954E-12 |
| 8.0181668479E-11 |
| 2.5577547384E-10 |
| 3.5271679899E-11 |
| 2.6133571418E-12 |
| 1.5243382877E-11 |
| 1.3881501106E-15 |
| 2.2331864147E-13 |
| 1.3899360365E-15 |
| 1.329634554E-13 |
| 3.0934326436E-13 |
| 3.2444468038E-16 |
| 9.5535920078E-11 |
| 6.4803365514E-10 |
| 1.2743199232E-12 |
| 8.379942516E-14 |
| 6.98139435E-13 |
| 1.2675217655E-12 |
| 1.0955676296E-10 |
| 1.4152760699E-12 |
| 7.0637276225E-13 |
| 1.8532000971E-10 |
| 6.287943646E-12 |
| 3.7042842902E-15 |
| 6.4290553962E-16 |
| 1.2478283986E-13 |
| 1.5028308499E-13 |
| 8.8728912212E-13 |
| 1.0110595688E-11 |
| 4.7784858751E-11 |
| 3.2612640211E-11 |
| 7.3986558622E-11 |
| 2.4135244591E-11 |
| 2.8385370754E-16 |
| 3.6204668336E-15 |
| 8.9490629506E-11 |
| 5.6415343771E-12 |
| 1.0644709844E-16 |
| 1.0074413575E-08 |
| 1.3545443669E-08 |

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|------------------|
| 1.14289763E-10 |
| 8.7378258254E-12 |
| 1.683986723E-10 |
| 5.9822262854E-11 |
| 3.8136576159E-11 |
| 5.6299388066E-11 |
| 5.6067219888E-12 |
| 4.4086799635E-11 |
| 1.618114038E-11 |
| 8.6488265176E-11 |
| 2.9658770314E-11 |
| 2.4262811337E-10 |
| 2.746484794E-16 |
| 2.4574532253E-10 |
| 6.5623707638E-11 |
| 1.6102313105E-11 |
| 2.1231454506E-13 |
| 2.9949962301E-08 |
| 2.4045852569E-12 |
| 4.049923909E-12 |
| 1.6859049539E-11 |
| 2.6892751277E-10 |
| 3.0204435458E-13 |
| 2.2872774761E-09 |
| 2.1487753008E-11 |
| 9.8277246382E-10 |
| 6.4462818621E-12 |
| 1.5954528547E-11 |
| 1.1883557532E-10 |
| 5.7996000609E-11 |
| 1.2439394467E-11 |
| 5.8223288328E-12 |
| 3.0088656378E-11 |
| 2.9223715414E-10 |
| 3.8968595229E-11 |
| 1.6102313105E-11 |
| 5.1248835837E-14 |
| 2.11902313E-13 |
| 2.6368639813E-17 |
| 1.7708962295E-13 |
| 2.480414324E-13 |
| 4.4688426881E-12 |
| 4.1902136024E-11 |
| 2.7375349906E-20 |
| 6.3534693592E-11 |
| 4.0511640651E-18 |
| 8.4124354316E-12 |

| |
|------------------|
| 6.8205314893E-12 |
| 2.5328137904E-10 |
| 2.4513664213E-11 |
| 1.6399341243E-10 |
| 3.9455994023E-14 |
| 1.2025986643E-14 |
| 5.1023410156E-12 |
| 5.7487466117E-13 |
| 7.1024377041E-11 |
| 8.7105732363E-10 |
| 5.0390300967E-11 |
| 1.496485344E-11 |
| 2.2802167816E-14 |
| 7.8309140038E-14 |
| 6.8640793605E-11 |
| 1.7794763576E-12 |

| FREQ ABS | FREQ ABS ACUMUL | FREQ RELATIF | FREQ RELATIVA ACUMULADA |
|----------|-----------------|--------------|-------------------------|
| 125 | 125 | 0.486381323 | 0.486381322957198 |
| 132 | 257 | 0.513618677 | 1 |

257

REND EFECT DIARIA

| |
|-----------------|
| 0.01592% |
| 0.0001143706754 |
| 0.0178150070788 |
| -0.017503187667 |
| 0.0353181947454 |
| 1.230070252E-05 |
| 0.0035072357373 |
| 22.0256211952 |
| 0.056225266089 |
| -0.088304543501 |
| 6.8144041648524 |
| 497.58728279723 |
| 5.991464547108 |

Com B es més gran que INV.CHIQUADR, rebutjem hipotesi nula, no segueixen una

| Fecha | Último | Apertura | Máximo | Mínimo | Vol. | % var. | RENDIBILITAT EFECTIVA D |
|------------|--------|----------|--------|--------|---------|--------|-------------------------|
| 30.12.2022 | 131.66 | 132.05 | 132.18 | 132.05 | 0,01K | -0.80% | -0.00798673899939724 |
| 29.12.2022 | 132.72 | 133.5 | 134.42 | 133.35 | 0,00K | +0.32% | 0.00317460317460308 |
| 28.12.2022 | 132.3 | 132.55 | 132.55 | 132.55 | 0,00K | +0.10% | 0.000983581750775697 |
| 27.12.2022 | 132.17 | 132.2 | 132.2 | 132.2 | 0,00K | -1.11% | -0.011073699962589 |
| 23.12.2022 | 133.65 | 133.44 | 133.44 | 133.4 | 0,00K | -0.27% | -0.00268636668905295 |
| 22.12.2022 | 134.01 | 134.36 | 134.36 | 134.1 | 0,00K | -0.42% | -0.00423539901917091 |
| 21.12.2022 | 134.58 | 134.5 | 134.54 | 134.5 | 0,00K | +0.01% | 0.000148632580261669 |
| 20.12.2022 | 134.56 | 134.5 | 134.51 | 134.48 | 0,01K | -0.87% | -0.00869308973036693 |
| 19.12.2022 | 135.74 | 135.8 | 135.8 | 135.47 | 0,01K | -0.15% | -0.00147123731057811 |
| 16.12.2022 | 135.94 | 135.67 | 135.94 | 135.67 | 0,00K | -0.91% | -0.0091114512719586 |
| 15.12.2022 | 137.19 | 138.83 | 138.94 | 138.1 | 0,01K | -1.25% | -0.0124532104808522 |
| 14.12.2022 | 138.92 | 140.62 | 141.06 | 139.65 | 736,38K | -0.28% | -0.00279951187998001 |
| 13.12.2022 | 139.31 | 139.82 | 139.96 | 139.69 | 0,01K | +0.42% | 0.00418078281554107 |
| 12.12.2022 | 138.73 | 138.88 | 138.96 | 138.73 | 0,01K | +0.33% | 0.00332682432921082 |
| 09.12.2022 | 138.27 | 141.61 | 141.94 | 140.35 | 592,72K | -2.62% | -0.0261990281005705 |
| 08.12.2022 | 141.99 | 142.45 | 142.55 | 141.51 | 518,58K | -0.16% | -0.00161721276894944 |
| 07.12.2022 | 142.22 | 142.11 | 142.91 | 141.59 | 735,61K | +0.15% | 0.00154929577464788 |
| 06.12.2022 | 142 | 141.05 | 142.42 | 140.58 | 684,64K | +0.72% | 0.00716362862614363 |
| 05.12.2022 | 140.99 | 141.39 | 141.74 | 140.69 | 824,04K | -0.13% | -0.00127505844017836 |
| 02.12.2022 | 141.17 | 141.89 | 142.49 | 141.02 | 618,83K | -0.39% | -0.00388089189952026 |
| 01.12.2022 | 141.72 | 141.21 | 142.03 | 141.06 | 775,04K | +1.06% | 0.0106254011267205 |
| 30.11.2022 | 140.23 | 140.38 | 141.05 | 139.85 | 124,35K | -0.36% | -0.00355290272152348 |
| 29.11.2022 | 140.73 | 139.64 | 141.06 | 139.62 | 40,38K | +0.68% | 0.00679639433395327 |
| 28.11.2022 | 139.78 | 140.43 | 140.75 | 139.13 | 24,47K | -0.06% | -0.000643454636448155 |
| 25.11.2022 | 139.87 | 141.28 | 141.32 | 139.78 | 9,93K | -1.19% | -0.0118685976686684 |
| 24.11.2022 | 141.55 | 140.74 | 141.94 | 140.72 | 13,11K | +0.70% | 0.00704325554923171 |
| 23.11.2022 | 140.56 | 139.75 | 140.65 | 139.07 | 5,82K | +0.67% | 0.00666045978657886 |
| 22.11.2022 | 139.63 | 139.28 | 139.77 | 139.13 | 4,53K | -0.01% | -7.16127184187261E-05 |
| 21.11.2022 | 139.64 | 139.54 | 140.05 | 138.74 | 4,39K | +0.19% | 0.00186540393169745 |
| 18.11.2022 | 139.38 | 139.44 | 139.57 | 138.34 | 7,69K | +0.18% | 0.00179688061525192 |
| 17.11.2022 | 139.13 | 139.76 | 140.12 | 138.85 | 17,07K | -0.23% | -0.00229472929365359 |
| 16.11.2022 | 139.45 | 138.74 | 139.9 | 137.9 | 11,38K | +0.81% | 0.00809658064049719 |
| 15.11.2022 | 138.33 | 137.89 | 138.95 | 137.68 | 4,36K | +0.62% | 0.00618271748617997 |
| 14.11.2022 | 137.48 | 137.71 | 138.1 | 137.51 | 0,04K | -0.01% | -7.27325623683128E-05 |
| 11.11.2022 | 137.49 | 138.9 | 138.9 | 137.42 | 0,40K | -1.38% | -0.0137723262319775 |
| 10.11.2022 | 139.41 | 137.23 | 139.5 | 136.8 | 0,81K | +1.75% | 0.0175169695642654 |
| 09.11.2022 | 137.01 | 136.15 | 137.2 | 136.11 | 2,65K | +0.90% | 0.00898446130053759 |
| 08.11.2022 | 135.79 | 134.73 | 136 | 134.5 | 0,67K | +0.47% | 0.0047354790972992 |
| 07.11.2022 | 135.15 | 135.38 | 135.81 | 135 | 0,11K | -0.20% | -0.00199379707576415 |
| 04.11.2022 | 135.42 | 135.55 | 135.55 | 135.2 | 0,11K | -0.33% | -0.00331198940163404 |
| 03.11.2022 | 135.87 | 136 | 136.26 | 135.7 | 0,21K | -1.11% | -0.0111353711790393 |
| 02.11.2022 | 137.4 | 137.45 | 137.68 | 137 | 0,05K | -0.12% | -0.0011631288165164 |
| 01.11.2022 | 137.56 | 137.66 | 138.1 | 137.2 | 0,03K | +0.34% | 0.00335521517140779 |
| 31.10.2022 | 137.1 | 137.23 | 137.51 | 136.79 | 0,02K | -0.60% | -0.00601754513158858 |
| 28.10.2022 | 137.93 | 139.19 | 139.19 | 137.21 | 0,09K | -0.58% | -0.00576659698695295 |
| 27.10.2022 | 138.73 | 136.64 | 139.15 | 136.11 | 0,31K | +1.03% | 0.0103415628868982 |
| 26.10.2022 | 137.31 | 137.3 | 137.3 | 137.3 | 0,19K | +0.50% | 0.00497694503403357 |
| 25.10.2022 | 136.63 | 135.37 | 136.75 | 135.35 | 0,03K | +1.58% | 0.0158364312267658 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 24.10.2022 | 134.5 | 135 | 135 | 134 | 0,01K | +0.78% | 0.00779259703281876 |
| 21.10.2022 | 133.46 | 133.1 | 133.73 | 132.55 | 0,03K | -0.40% | -0.00395551906858722 |
| 20.10.2022 | 133.99 | 133.36 | 134.34 | 133.36 | 0,02K | -0.30% | -0.00297641193541169 |
| 19.10.2022 | 134.39 | 134.47 | 134.47 | 133.91 | 0,03K | -0.83% | -0.00833825265643465 |
| 18.10.2022 | 135.52 | 135.11 | 135.48 | 134.87 | 0,10K | +0.20% | 0.0019963031423291 |
| 17.10.2022 | 135.25 | 135.04 | 135.6 | 135.04 | 0,01K | +0.60% | 0.00595016734845676 |
| 14.10.2022 | 134.45 | 135.78 | 136 | 135.05 | 0,01K | -0.09% | -0.000891729211562789 |
| 13.10.2022 | 134.57 | 135.25 | 135.56 | 133.96 | 0,19K | +0.28% | 0.00275707898658722 |
| 12.10.2022 | 134.2 | 134 | 134.03 | 133.91 | 0,01K | -0.50% | -0.00496774671906292 |
| 11.10.2022 | 134.87 | 134.71 | 134.71 | 134.22 | 0,00K | +0.28% | 0.00275092936802977 |
| 10.10.2022 | 134.5 | 136.3 | 136.3 | 134.45 | 0,01K | -1.15% | -0.0115381788785184 |
| 07.10.2022 | 136.07 | 137.23 | 137.23 | 135.88 | 0,00K | -0.94% | -0.00939138031450219 |
| 06.10.2022 | 137.36 | 137.55 | 137.55 | 137.26 | 0,00K | -0.58% | -0.00579038795599293 |
| 05.10.2022 | 138.16 | 138.14 | 138.26 | 138.14 | 0,00K | -1.31% | -0.0131428571428572 |
| 04.10.2022 | 140 | 139.98 | 140.33 | 139.8 | 0,03K | +0.32% | 0.00315276583548293 |
| 03.10.2022 | 139.56 | 137.45 | 139.61 | 137.45 | 0,01K | +1.90% | 0.018983644859813 |
| 30.09.2022 | 136.96 | 137.13 | 137.13 | 137.13 | 0,00K | +0.75% | 0.00750331028394888 |
| 29.09.2022 | 135.94 | 136.19 | 136.19 | 135.39 | 0,01K | -0.34% | -0.00337243401759537 |
| 28.09.2022 | 136.4 | 135.57 | 137.14 | 134.21 | 0,03K | +0.58% | 0.00575136410558916 |
| 27.09.2022 | 135.62 | 137 | 137.05 | 135.32 | 0,00K | -1.25% | -0.0124517585378286 |
| 26.09.2022 | 137.33 | 137.05 | 137.55 | 136.45 | 0,01K | -0.46% | -0.00456654102638443 |
| 23.09.2022 | 137.96 | 139.2 | 139.2 | 137.5 | 0,01K | -0.40% | -0.00404273751082878 |
| 22.09.2022 | 138.52 | 139.82 | 140.28 | 138.9 | 0,03K | -0.92% | -0.00915593705293277 |
| 21.09.2022 | 139.8 | 139.79 | 140.2 | 139.67 | 0,02K | +0.35% | 0.00351733543894917 |
| 20.09.2022 | 139.31 | 140 | 140 | 139.17 | 0,04K | -1.30% | -0.0130357775416224 |
| 19.09.2022 | 141.15 | 143.19 | 143.26 | 142.18 | 352,18K | -0.08% | -0.000778705932323271 |
| 16.09.2022 | 141.26 | 142.98 | 143.24 | 142.15 | 612,94K | -0.34% | -0.00338648229151981 |
| 15.09.2022 | 141.74 | 143.58 | 143.63 | 142.74 | 724,96K | -0.29% | -0.00288427717200138 |
| 14.09.2022 | 142.15 | 141.4 | 141.4 | 141.35 | 0,00K | +0.16% | 0.00162063134160103 |
| 13.09.2022 | 141.92 | 142.19 | 142.19 | 142.16 | 0,00K | -0.78% | -0.0077606096623087 |
| 12.09.2022 | 143.03 | 143 | 143 | 143 | 0,00K | +0.51% | 0.00513000702740681 |
| 09.09.2022 | 142.3 | 141.7 | 142.3 | 141.4 | 0,01K | -0.86% | -0.00856963700968432 |
| 08.09.2022 | 143.53 | 145.37 | 145.82 | 143.03 | 896,41K | -1.12% | -0.0112289887021218 |
| 07.09.2022 | 145.16 | 144.56 | 145.53 | 144.27 | 728,11K | +0.25% | 0.00248618784530377 |
| 06.09.2022 | 144.8 | 145.33 | 146.59 | 144.2 | 1,09M | -0.34% | -0.00344115622849277 |
| 05.09.2022 | 145.3 | 146.61 | 146.81 | 144.95 | 795,09K | -0.42% | -0.00418065931053379 |
| 02.09.2022 | 145.91 | 145.35 | 146.67 | 144.73 | 704,52K | +0.66% | 0.00655353200882994 |
| 01.09.2022 | 144.96 | 145.18 | 145.44 | 144.39 | 486,12K | -0.42% | -0.00419042385106811 |
| 31.08.2022 | 145.57 | 146.07 | 146.54 | 144.94 | 160,87K | -0.13% | -0.00130351262349065 |
| 30.08.2022 | 145.76 | 146.26 | 146.9 | 145.43 | 75,45K | -0.29% | -0.00294137765921066 |
| 29.08.2022 | 146.19 | 146.74 | 146.74 | 145.52 | 27,83K | -0.93% | -0.0092843589048523 |
| 26.08.2022 | 147.56 | 148.75 | 148.75 | 146.97 | 24,52K | -0.68% | -0.00679814228982965 |
| 25.08.2022 | 148.57 | 147.83 | 148.97 | 147.64 | 12,93K | +0.49% | 0.00493777056277049 |
| 24.08.2022 | 147.84 | 148.21 | 148.53 | 147.62 | 12,23K | -0.46% | -0.00464552615633204 |
| 23.08.2022 | 148.53 | 148.81 | 149.81 | 147.78 | 7,18K | -0.21% | -0.00208277344799787 |
| 22.08.2022 | 148.84 | 149.54 | 150.23 | 148.54 | 10,82K | -0.51% | -0.00514671479179206 |
| 19.08.2022 | 149.61 | 150.75 | 150.75 | 149.5 | 12,99K | -1.29% | -0.0128661916072842 |
| 18.08.2022 | 151.56 | 151.66 | 151.7 | 150.74 | 3,17K | +0.03% | 0.000263991552270275 |
| 17.08.2022 | 151.52 | 153.19 | 153.25 | 151.25 | 4,78K | -0.90% | -0.00902550686723346 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 16.08.2022 | 152.9 | 154.05 | 154.05 | 152.74 | 2,55K | -0.75% | -0.00746510873093155 |
| 15.08.2022 | 154.05 | 153.03 | 154.22 | 152.53 | 1,72K | +0.89% | 0.00890693562119336 |
| 12.08.2022 | 152.69 | 152.65 | 153.2 | 152.43 | 0,57K | -0.11% | -0.0011121287452572 |
| 11.08.2022 | 152.86 | 153.87 | 154.69 | 152.8 | 0,55K | -0.88% | -0.00881857087277905 |
| 10.08.2022 | 154.22 | 153.49 | 154.73 | 153.49 | 0,48K | +0.42% | 0.00423259751253504 |
| 09.08.2022 | 153.57 | 154.32 | 154.32 | 153.34 | 0,83K | -0.35% | -0.00350399065602505 |
| 08.08.2022 | 154.11 | 154.09 | 154.45 | 154.05 | 1,15K | +0.50% | 0.00495598304532129 |
| 05.08.2022 | 153.35 | 155.15 | 155.15 | 153.16 | 0,22K | -1.26% | -0.0126199214474278 |
| 04.08.2022 | 155.31 | 155.02 | 155.58 | 154.98 | 0,20K | +0.64% | 0.00635002915829709 |
| 03.08.2022 | 154.33 | 155.18 | 155.18 | 154.1 | 1,79K | -0.76% | -0.00758793646710809 |
| 02.08.2022 | 155.51 | 156.4 | 156.87 | 155.23 | 1,05K | -0.22% | -0.00224560503015541 |
| 01.08.2022 | 155.86 | 154.68 | 154.92 | 154.65 | 0,42K | +0.51% | 0.00509447346359722 |
| 29.07.2022 | 155.07 | 155.19 | 155.19 | 153.75 | 0,54K | -0.16% | -0.00160958022147824 |
| 28.07.2022 | 155.32 | 153.25 | 155.35 | 153.25 | 0,09K | +1.11% | 0.0111320877547033 |
| 27.07.2022 | 153.61 | 153.63 | 153.63 | 153.63 | 0,00K | +0.07% | 0.000716612377850252 |
| 26.07.2022 | 153.5 | 154.82 | 156.28 | 154.52 | 0,76K | +0.83% | 0.00827640567524955 |
| 25.07.2022 | 152.24 | 151.71 | 152.22 | 151.71 | 0,00K | +0.19% | 0.00190852254030945 |
| 22.07.2022 | 151.95 | 150 | 152.34 | 150 | 0,01K | +1.53% | 0.0153013497260457 |
| 21.07.2022 | 149.66 | 148 | 149 | 148 | 0,00K | +0.61% | 0.00605001344447436 |
| 20.07.2022 | 148.76 | 151.01 | 152.37 | 150.83 | 0,00K | +0.13% | 0.00134625740441565 |
| 19.07.2022 | 148.56 | 150 | 150 | 149 | 0,00K | -0.55% | -0.00548935600481988 |
| 18.07.2022 | 149.38 | 150 | 150 | 149.11 | 0,00K | -0.78% | -0.00783740701381514 |
| 15.07.2022 | 150.56 | 151.1 | 151.1 | 151.1 | 0,00K | +0.61% | 0.00608085532910121 |
| 14.07.2022 | 149.65 | 149.3 | 149.3 | 149.3 | 0,00K | -0.30% | -0.00299800133244496 |
| 13.07.2022 | 150.1 | 150 | 150.6 | 149.5 | 0,00K | -0.26% | -0.00259153432121745 |
| 12.07.2022 | 150.49 | 149.9 | 150.71 | 149.9 | 0,01K | +1.12% | 0.0112216099986562 |
| 11.07.2022 | 148.82 | 148.9 | 148.9 | 148.9 | 0,00K | +0.91% | 0.00908597775969625 |
| 08.07.2022 | 147.48 | 150.46 | 151.17 | 149.79 | 559,02K | -0.39% | -0.00391733081183313 |
| 07.07.2022 | 148.06 | 148.24 | 148.24 | 148.24 | 0,00K | -0.92% | -0.0092344753747323 |
| 06.07.2022 | 149.44 | 148.4 | 150.26 | 148.4 | 0,01K | +0.47% | 0.00470619873604941 |
| 05.07.2022 | 148.74 | 149.24 | 151.45 | 148.72 | 804,11K | +1.45% | 0.0145283404951913 |
| 04.07.2022 | 146.61 | 150.53 | 150.72 | 149.05 | 446,05K | -1.17% | -0.0116623971956316 |
| 01.07.2022 | 148.34 | 146.9 | 148.44 | 146.9 | 0,01K | +1.41% | 0.014082581350834 |
| 30.06.2022 | 146.28 | 146 | 146.75 | 146 | 0,00K | +1.24% | 0.0123884005813551 |
| 29.06.2022 | 144.49 | 143.9 | 143.9 | 143.9 | 0,00K | +1.28% | 0.0127567112917924 |
| 28.06.2022 | 142.67 | 143 | 143 | 143 | 0,00K | -0.91% | -0.00909848590081958 |
| 27.06.2022 | 143.98 | 143.56 | 143.56 | 143.56 | 0,00K | -1.00% | -0.00997043251048626 |
| 24.06.2022 | 145.43 | 147.7 | 149 | 146.91 | 781,65K | -0.17% | -0.00171609006040637 |
| 23.06.2022 | 145.68 | 143.9 | 144.45 | 143.9 | 0,00K | +2.04% | 0.0203824332843034 |
| 22.06.2022 | 142.77 | 143.52 | 145.72 | 143.4 | 889,86K | +1.36% | 0.0136315228966987 |
| 21.06.2022 | 140.85 | 143.29 | 144.01 | 143.05 | 782,89K | -0.09% | -0.000922116612285398 |
| 20.06.2022 | 140.98 | 144.29 | 144.98 | 143.15 | 586,74K | -0.59% | -0.00592300098716686 |
| 17.06.2022 | 141.82 | 141.17 | 141.47 | 141.17 | 0,00K | +0.25% | 0.00254488901456232 |
| 16.06.2022 | 141.46 | 141.1 | 141.51 | 140.67 | 0,16K | -0.60% | -0.00597287611552241 |
| 15.06.2022 | 142.31 | 142.9 | 142.9 | 142.9 | 0,00K | +0.62% | 0.00622215937212752 |
| 14.06.2022 | 141.43 | 141.4 | 141.4 | 141.4 | 0,00K | -0.91% | -0.00910810621453081 |
| 13.06.2022 | 142.73 | 146.71 | 147.19 | 144.19 | 1,10M | -1.25% | -0.0124541617657235 |
| 10.06.2022 | 144.53 | 144.55 | 144.71 | 144.49 | 0,01K | -0.48% | -0.00481994078358458 |
| 09.06.2022 | 145.23 | 145.81 | 145.85 | 145.79 | 0,13K | -2.49% | -0.0249093594736136 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 08.06.2022 | 148.94 | 149.48 | 149.6 | 148.68 | 793,36K | -0.58% | -0.00580735598424674 |
| 07.06.2022 | 149.81 | 149.18 | 149.92 | 148.83 | 836,78K | +0.42% | 0.00422308620458504 |
| 06.06.2022 | 149.18 | 150.06 | 150.34 | 149.12 | 588,64K | -0.44% | -0.00440469834490121 |
| 03.06.2022 | 149.84 | 150.38 | 150.59 | 149.78 | 656,18K | -0.46% | -0.0046499269297196 |
| 02.06.2022 | 150.54 | 151.27 | 151.38 | 150.32 | 650,90K | -0.53% | -0.00528611074402016 |
| 01.06.2022 | 151.34 | 151.85 | 152.22 | 151.06 | 1,05M | -0.39% | -0.00388336734022249 |
| 31.05.2022 | 151.93 | 152.97 | 153.36 | 151.71 | 379,87K | -0.76% | -0.00757724214514336 |
| 30.05.2022 | 153.09 | 153.72 | 154.01 | 152.78 | 86,30K | -0.74% | -0.00739155806263364 |
| 27.05.2022 | 154.23 | 153.72 | 154.65 | 153.72 | 54,38K | +0.32% | 0.0031871991674254 |
| 26.05.2022 | 153.74 | 154.88 | 155.27 | 153.68 | 54,69K | -0.45% | -0.00453250453250446 |
| 25.05.2022 | 154.44 | 154.08 | 154.96 | 154.05 | 38,44K | -0.01% | -0.000129483361388128 |
| 24.05.2022 | 154.46 | 153.65 | 154.49 | 153.34 | 18,70K | +0.55% | 0.00553349391315666 |
| 23.05.2022 | 153.61 | 154.36 | 154.59 | 153.37 | 12,99K | -0.56% | -0.00556742409529349 |
| 20.05.2022 | 154.47 | 154.18 | 154.68 | 153.69 | 6,80K | +0.03% | 0.000259017030369695 |
| 19.05.2022 | 154.43 | 153.54 | 155 | 152.96 | 10,56K | +0.66% | 0.0066488494882994 |
| 18.05.2022 | 153.41 | 153.08 | 153.45 | 152.34 | 12,12K | +0.29% | 0.00287638098973654 |
| 17.05.2022 | 152.97 | 153.99 | 153.99 | 152.8 | 10,60K | -1.02% | -0.0102232287285669 |
| 16.05.2022 | 154.55 | 154.49 | 154.66 | 153.5 | 3,00K | +0.20% | 0.00200985477178425 |
| 13.05.2022 | 154.24 | 155.15 | 155.28 | 154.2 | 4,17K | -0.71% | -0.00708124114844853 |
| 12.05.2022 | 155.34 | 154.49 | 155.87 | 154.49 | 3,45K | +1.27% | 0.0127126931351458 |
| 11.05.2022 | 153.39 | 153.17 | 154.27 | 152.33 | 2,22K | -0.03% | -0.000260705207586655 |
| 10.05.2022 | 153.43 | 152.79 | 153.6 | 152 | 2,04K | +0.86% | 0.00861162240336578 |
| 09.05.2022 | 152.12 | 151.3 | 152.38 | 150.97 | 7,22K | +0.56% | 0.0055526176626124 |
| 06.05.2022 | 151.28 | 152.9 | 152.9 | 151.17 | 1,64K | -1.12% | -0.0112418300653595 |
| 05.05.2022 | 153 | 154.1 | 154.59 | 152.67 | 3,62K | -0.47% | -0.00468384074941451 |
| 04.05.2022 | 153.72 | 153 | 154.44 | 152.98 | 5,28K | -0.32% | -0.00317748524738998 |
| 03.05.2022 | 154.21 | 153.5 | 154.53 | 153.22 | 4,54K | +0.10% | 0.00103862382343393 |
| 02.05.2022 | 154.05 | 153.95 | 154.3 | 153.92 | 0,99K | -0.06% | -0.000648718780408656 |
| 29.04.2022 | 154.15 | 154.33 | 154.67 | 154 | 0,84K | -0.39% | -0.00387722132471725 |
| 28.04.2022 | 154.75 | 156.41 | 156.65 | 154.61 | 1,96K | -0.88% | -0.00877530105047402 |
| 27.04.2022 | 156.12 | 156.37 | 156.41 | 155.76 | 3,59K | 0.00% | |
| 26.04.2022 | 156.12 | 155.16 | 156.19 | 155 | 5,03K | +0.41% | 0.00405170750530578 |
| 25.04.2022 | 155.49 | 154.19 | 155.45 | 154.19 | 3,41K | +1.13% | 0.0113170731707318 |
| 22.04.2022 | 153.75 | 153.77 | 154.33 | 153.7 | 10,66K | -0.36% | -0.00356448476992878 |
| 21.04.2022 | 154.3 | 154.43 | 155.11 | 153.85 | 2,22K | -0.53% | -0.00528623001547185 |
| 20.04.2022 | 155.12 | 154.14 | 155.44 | 154.14 | 7,18K | +0.64% | 0.00642314928956082 |
| 19.04.2022 | 154.13 | 155 | 155 | 153.88 | 10,64K | -0.37% | -0.00374894964772809 |
| 15.04.2022 | 154.71 | 154.71 | 154.71 | 154.71 | | -0.48% | -0.00476037311032474 |
| 14.04.2022 | 155.45 | 156.01 | 156.37 | 155.23 | 2,70K | -0.67% | -0.00670926517571892 |
| 13.04.2022 | 156.5 | 155.2 | 156.48 | 155.2 | 1,02K | +0.33% | 0.00333376073855629 |
| 12.04.2022 | 155.98 | 155.4 | 156.05 | 155 | 1,33K | +0.20% | 0.00199139204727952 |
| 11.04.2022 | 155.67 | 157 | 157 | 155.65 | 0,02K | -1.04% | -0.0104252749348421 |
| 08.04.2022 | 157.31 | 157.85 | 157.85 | 157.33 | 0,28K | -0.17% | -0.00165006029066441 |
| 07.04.2022 | 157.57 | 158.5 | 158.53 | 157.5 | 0,51K | -0.27% | -0.00272151898734182 |
| 06.04.2022 | 158 | 158.4 | 158.45 | 157.75 | 1,41K | -0.33% | -0.00328034317436292 |
| 05.04.2022 | 158.52 | 159.5 | 159.74 | 158.6 | 0,64K | -0.91% | -0.00912614076759582 |
| 04.04.2022 | 159.98 | 159.23 | 160.47 | 159.23 | 1,62K | +0.50% | 0.00502575700464872 |
| 01.04.2022 | 159.18 | 159.25 | 159.25 | 158.66 | 0,11K | -0.20% | -0.00200626959247645 |
| 31.03.2022 | 159.5 | 158.4 | 159.61 | 158.4 | 1,56K | +1.01% | 0.0101329955668144 |

| | | | | | | | |
|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 30.03.2022 | 157.9 | 157.82 | 158.03 | 157.48 | 0,76K | -0.09% | -0.000885851683118112 |
| 29.03.2022 | 158.04 | 158.77 | 158.77 | 157.62 | 1,67K | -0.64% | -0.00635020433825853 |
| 28.03.2022 | 159.05 | 158.67 | 159.25 | 158.5 | 0,76K | -0.18% | -0.0018200075310656 |
| 25.03.2022 | 159.34 | 160.04 | 160.27 | 159.01 | 0,90K | -0.40% | -0.00400050006250773 |
| 24.03.2022 | 159.98 | 160.56 | 160.56 | 159.55 | 2,92K | -0.36% | -0.0035502958579883 |
| 23.03.2022 | 160.55 | 160.58 | 160.7 | 160.38 | 0,59K | +0.26% | 0.00256025977269905 |
| 22.03.2022 | 160.14 | 160 | 160.21 | 159.86 | 7,10K | -0.58% | -0.00577388712981938 |
| 21.03.2022 | 161.07 | 161.09 | 161.15 | 160.63 | 1,19K | -0.69% | -0.00690548122572295 |
| 18.03.2022 | 162.19 | 162 | 162 | 162 | 2,95K | +0.22% | 0.00216262975778543 |
| 17.03.2022 | 161.84 | 161.86 | 161.92 | 161.6 | 0,03K | -0.11% | -0.0011109739538329 |
| 16.03.2022 | 162.02 | 161.96 | 162.32 | 161.51 | 0,17K | -0.49% | -0.00491340130205124 |
| 15.03.2022 | 162.82 | 162.85 | 162.85 | 162.85 | 0,00K | +0.47% | 0.00468962112797724 |
| 14.03.2022 | 162.06 | 162.46 | 162.73 | 161.14 | 605,35K | -0.58% | -0.00576687116564416 |
| 11.03.2022 | 163 | 163.58 | 163.58 | 163.2 | 0,01K | -0.21% | -0.00208154769193096 |
| 10.03.2022 | 163.34 | 163.63 | 164.43 | 162.02 | 961,96K | -0.49% | -0.00487388814426699 |
| 09.03.2022 | 164.14 | 165.7 | 165.7 | 165 | 0,01K | -0.53% | -0.00533268694703687 |
| 08.03.2022 | 165.02 | 166.97 | 167.17 | 164.53 | 1,08M | -1.14% | -0.011382698298586 |
| 07.03.2022 | 166.92 | 168.3 | 168.67 | 166.59 | 841,33K | -0.61% | -0.00607359771346916 |
| 04.03.2022 | 167.94 | 166.57 | 168.21 | 166.19 | 720,03K | +1.03% | 0.0102869518137521 |
| 03.03.2022 | 166.23 | 166.59 | 166.79 | 165.51 | 1,03M | -0.11% | -0.00108166576527857 |
| 02.03.2022 | 166.41 | 167.47 | 167.86 | 166.05 | 666,61K | -0.55% | -0.00549811749238042 |
| 01.03.2022 | 167.33 | 164.79 | 168.15 | 164.39 | 465,00K | +1.96% | 0.0196209859240753 |
| 28.02.2022 | 164.11 | 164.29 | 165.05 | 163.36 | 95,14K | +0.52% | 0.00520641920862442 |
| 25.02.2022 | 163.26 | 163.98 | 164.28 | 163 | 50,91K | -0.46% | -0.00463358127057688 |
| 24.02.2022 | 164.02 | 163.34 | 165.03 | 163.34 | 69,33K | +0.58% | 0.00576404218788323 |
| 23.02.2022 | 163.08 | 162.85 | 163.23 | 162.5 | 21,27K | +0.17% | 0.00171990171990173 |
| 22.02.2022 | 162.8 | 164 | 164.2 | 162.29 | 20,66K | -0.34% | -0.00336700336700326 |
| 21.02.2022 | 163.35 | 163.85 | 164.03 | 162.9 | 5,36K | -0.05% | -0.000489506210610124 |
| 18.02.2022 | 163.43 | 163.24 | 163.8 | 162.78 | 5,99K | +0.31% | 0.00306880255324372 |
| 17.02.2022 | 162.93 | 162.36 | 163.1 | 162.24 | 2,45K | +0.38% | 0.00381985090259383 |
| 16.02.2022 | 162.31 | 161.82 | 162.51 | 161.6 | 5,15K | +0.43% | 0.00426927360475187 |
| 15.02.2022 | 161.62 | 162.47 | 162.51 | 161.55 | 9,29K | -0.42% | -0.00418977202711033 |
| 14.02.2022 | 162.3 | 162.99 | 163.43 | 162.06 | 2,32K | +0.17% | 0.00172818170596223 |
| 11.02.2022 | 162.02 | 161.88 | 163.37 | 161.71 | 12,10K | +0.01% | 6.17245849022858E-05 |
| 10.02.2022 | 162.01 | 162.9 | 162.97 | 161.5 | 14,80K | -0.58% | -0.00576864068732739 |
| 09.02.2022 | 162.95 | 162.52 | 163.08 | 162.52 | 2,34K | +0.42% | 0.00419054661983101 |
| 08.02.2022 | 162.27 | 162.58 | 163.14 | 162.14 | 11,17K | -0.25% | -0.00252028522252272 |
| 07.02.2022 | 162.68 | 163.35 | 163.42 | 162.52 | 2,81K | -0.28% | -0.00275853613682332 |
| 04.02.2022 | 163.13 | 163.95 | 163.95 | 162.92 | 5,44K | -0.52% | -0.00524422220867134 |
| 03.02.2022 | 163.99 | 165.7 | 165.8 | 163.94 | 4,74K | -1.06% | -0.0106184012066364 |
| 02.02.2022 | 165.75 | 165.68 | 165.87 | 165.56 | 2,91K | -0.05% | -0.000542691751085404 |
| 01.02.2022 | 165.84 | 166.16 | 166.53 | 165.78 | 2,70K | -0.21% | -0.00210602322642755 |
| 31.01.2022 | 166.19 | 166.43 | 166.44 | 165.99 | 2,05K | -0.55% | -0.00550535575369527 |
| 28.01.2022 | 167.11 | 166.88 | 167.09 | 166.88 | 3,46K | -0.08% | -0.000837070254110531 |
| 27.01.2022 | 167.25 | 166.77 | 167.31 | 166.77 | 1,96K | -0.11% | -0.00113473483038699 |
| 26.01.2022 | 167.44 | 167.57 | 167.57 | 167.37 | 0,89K | -0.18% | -0.00184798807749629 |
| 25.01.2022 | 167.75 | 167.7 | 167.7 | 167.7 | 1,16K | -0.13% | -0.00130975769482645 |

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|-------------------|--------|--------|--------|--------|-------|--------|-----------------------|
| 24.01.2022 | 167.97 | 167.76 | 168.05 | 167.76 | 3,18K | +0.35% | 0.00346496206463954 |
| 21.01.2022 | 167.39 | 167.34 | 167.72 | 167.34 | 1,12K | +0.32% | 0.00317631547404994 |
| 20.01.2022 | 166.86 | 166.67 | 167.01 | 166.67 | 0,49K | +0.22% | 0.00216216216216224 |
| 19.01.2022 | 166.5 | 166.19 | 166.54 | 166.19 | 0,18K | -0.11% | -0.00113984042234086 |
| 18.01.2022 | 166.69 | 166.72 | 166.86 | 166.47 | 0,66K | -0.05% | -0.000539633049526343 |
| 17.01.2022 | 166.78 | 166.99 | 166.99 | 166.99 | 0,00K | -0.26% | -0.00257161653011188 |
| 14.01.2022 | 167.21 | 167.78 | 167.78 | 167.27 | 0,06K | -0.38% | -0.00375357483317443 |
| 13.01.2022 | 167.84 | 167.42 | 168 | 167.42 | 0,16K | +0.29% | 0.00286806883365195 |
| 12.01.2022 | 167.36 | 167.31 | 167.62 | 167.31 | 0,00K | +0.26% | 0.00257593003055177 |
| 11.01.2022 | 166.93 | 166.95 | 166.95 | 166.77 | 0,06K | -0.10% | -0.000957567777844255 |
| 10.01.2022 | 167.09 | 167 | 167.06 | 167 | 0,00K | -0.02% | -0.000239334649673859 |
| 07.01.2022 | 167.13 | 167.31 | 167.31 | 167.13 | 0,00K | -0.20% | -0.00203021436675227 |
| 06.01.2022 | 167.47 | 167.45 | 167.55 | 167.16 | 0,02K | -0.24% | -0.00244222063378602 |
| 05.01.2022 | 167.88 | 167.82 | 167.82 | 167.69 | 0,01K | -0.04% | -0.00035727045373349 |
| 04.01.2022 | 167.94 | 167.71 | 168 | 167.71 | 0,02K | +0.05% | 0.000536193029490637 |
| 03.01.2022 | 167.85 | 168.26 | 168.39 | 167.68 | 0,04K | -0.37% | |

(REND + MITJANA)⁴

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|------------------|
| 2.5333094976E-09 |
| 2.7354412514E-10 |
| 1.2381157869E-11 |
| 1.0745859398E-08 |
| 1.0361381467E-11 |
| 1.2491970449E-10 |
| 1.173765247E-12 |
| 3.7031290972E-09 |
| 1.1238863873E-13 |
| 4.5637486648E-09 |
| 1.7863970041E-08 |
| 1.3232909691E-11 |
| 6.6231624946E-10 |
| 3.1685631149E-10 |
| 4.1015544921E-07 |
| 2.7624837674E-13 |
| 3.5534361888E-11 |
| 4.2116118079E-09 |
| 2.1478103821E-14 |
| 7.9781919161E-11 |
| 1.7597596441E-08 |
| 5.0114434022E-11 |
| 3.4945849705E-09 |
| 3.8305536085E-15 |
| 1.4515562058E-08 |
| 3.9654732606E-09 |
| 3.2539257967E-09 |
| 4.5349484612E-13 |
| 5.7829488356E-11 |
| 5.2292286855E-11 |
| 3.8690551194E-12 |
| 6.5284459662E-09 |
| 2.5054977102E-09 |
| 4.5102450066E-13 |
| 2.7521735194E-08 |
| 1.1485239506E-07 |
| 9.5158311555E-09 |
| 1.0030624626E-09 |
| 1.4724364038E-12 |
| 3.4283523233E-11 |
| 1.1008594007E-08 |
| 5.3851646065E-15 |
| 3.2547152883E-10 |
| 6.9005028034E-10 |
| 5.6450950443E-10 |
| 1.5925987147E-08 |
| 1.1866143749E-09 |
| 7.831504867E-08 |

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|---------------|
| CLASSE |
| -20% |
| |
| 20% |

| |
|----------------------------|
| MITJANA |
| MEDIANA |
| MAXIM |
| MINIM |
| RECORREGUT |
| VARIANÇA |
| DESVIACIO TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALIT |
| COEF D'ASSIMETRIA |
| CURTOSI |
| CONTRAST JARQUE-B |
| INV CHIQUADRAT |

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|------------------|
| 5.6891267851E-09 |
| 8.8054046837E-11 |
| 1.8868556723E-11 |
| 3.0739467644E-09 |
| 6.9616499387E-11 |
| 2.191968601E-09 |
| 6.5234035356E-26 |
| 1.7735552914E-10 |
| 2.7588542603E-10 |
| 1.7616306922E-10 |
| 1.2845078306E-08 |
| 5.2179642833E-09 |
| 5.7561157154E-10 |
| 2.2523331909E-08 |
| 2.6771597531E-10 |
| 1.5606496391E-07 |
| 4.9681597209E-09 |
| 3.7839588966E-11 |
| 1.9481104016E-09 |
| 1.7854997587E-08 |
| 1.8226425014E-10 |
| 9.8518897962E-11 |
| 4.6633572499E-09 |
| 3.7808110812E-10 |
| 2.1746113614E-08 |
| 1.6612004678E-16 |
| 3.8704220144E-11 |
| 1.5746878221E-11 |
| 3.9872849644E-11 |
| 2.2254406306E-09 |
| 1.3153238766E-09 |
| 3.4742192353E-09 |
| 1.141659886E-08 |
| 1.3027341892E-10 |
| 4.2211028597E-11 |
| 1.1693691068E-10 |
| 3.0735315382E-09 |
| 1.1833202375E-10 |
| 2.8611593628E-14 |
| 1.7631494423E-11 |
| 4.9600680376E-09 |
| 1.2165966624E-09 |
| 1.1552494091E-09 |
| 1.9844913526E-10 |
| 2.0089739089E-12 |
| 3.276317844E-10 |
| 2.0556576038E-08 |
| 1.7871917106E-12 |
| 4.3758380983E-09 |

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| 1.8664710791E-09 |
| 9.2205580425E-09 |
| 2.3380550213E-15 |
| 3.9472076569E-09 |
| 6.8979265864E-10 |
| 4.6529720827E-11 |
| 1.1697528309E-09 |
| 1.8916877211E-08 |
| 2.751042806E-09 |
| 2.0099462057E-09 |
| 3.3548008424E-12 |
| 1.2845538658E-09 |
| 2.647974669E-13 |
| 2.0904627875E-08 |
| 6.6997554043E-12 |
| 7.0667501028E-09 |
| 6.1532109258E-11 |
| 6.8765712593E-08 |
| 2.3227394991E-09 |
| 2.5108581832E-11 |
| 4.4662589088E-10 |
| 2.3266557394E-09 |
| 2.3642917276E-09 |
| 1.9662604674E-11 |
| 8.3383467764E-12 |
| 2.1534162754E-08 |
| 9.9131338149E-09 |
| 8.3744592088E-11 |
| 4.8431830427E-09 |
| 9.8234953121E-10 |
| 5.6546051128E-08 |
| 1.3455165394E-08 |
| 5.0285870492E-08 |
| 3.1108236083E-08 |
| 3.4705351506E-08 |
| 4.5350204602E-09 |
| 6.7920142299E-09 |
| 4.6068504536E-13 |
| 2.0485716383E-07 |
| 4.449548599E-08 |
| 7.9733314102E-19 |
| 6.4052576651E-10 |
| 1.3956631199E-10 |
| 6.6630675059E-10 |
| 2.5618378829E-09 |
| 4.5563237799E-09 |
| 1.7869850452E-08 |
| 2.3798850084E-10 |
| 3.3272395144E-07 |

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| 5.8362917471E-10 |
| 6.8468608092E-10 |
| 1.5221147859E-10 |
| 1.9938150818E-10 |
| 3.7272733662E-10 |
| 8.0046574351E-11 |
| 1.9971358569E-09 |
| 1.7843194483E-09 |
| 2.7694883487E-10 |
| 1.7560398127E-10 |
| 3.3847895254E-13 |
| 1.7048630119E-09 |
| 4.7774579882E-10 |
| 1.7566329353E-12 |
| 3.2339636358E-09 |
| 2.0170996674E-10 |
| 7.5807411235E-09 |
| 7.0932150375E-11 |
| 1.4671812594E-09 |
| 3.4259810479E-08 |
| 1.5906486125E-13 |
| 8.1582981239E-09 |
| 1.7252493133E-09 |
| 1.1473436087E-08 |
| 2.0667734762E-10 |
| 2.7273154237E-11 |
| 1.3899581278E-11 |
| 3.5164841377E-15 |
| 7.9390698063E-11 |
| 3.8617197353E-09 |
| 6.3374745418E-13 |
| 5.9743890865E-10 |
| 2.2221028938E-08 |
| 5.0992752908E-11 |
| 3.7276780889E-10 |
| 2.8638382433E-09 |
| 6.6598997904E-11 |
| 2.2387627445E-10 |
| 1.1449997414E-09 |
| 3.1894518597E-10 |
| 6.9144257257E-11 |
| 8.2589668632E-09 |
| 3.2982024801E-13 |
| 1.1197599198E-11 |
| 3.2524923024E-11 |
| 4.5964618066E-09 |
| 1.2265842297E-09 |
| 1.5402646286E-12 |
| 1.4775788217E-08 |

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| 1.6598720867E-21 |
| 8.8741036311E-10 |
| 7.4091229861E-13 |
| 9.3340992732E-11 |
| 4.9918318445E-11 |
| 1.4207966145E-10 |
| 5.678942315E-10 |
| 1.3074830495E-09 |
| 8.7089885851E-11 |
| 2.2893266383E-15 |
| 2.6146184051E-10 |
| 9.7076570797E-10 |
| 5.6463652784E-10 |
| 2.000713073E-12 |
| 2.513355235E-10 |
| 3.8878442473E-10 |
| 1.2110964814E-08 |
| 7.2073583987E-10 |
| 1.561855284E-08 |
| 1.28767361E-15 |
| 4.5004046955E-10 |
| 1.77066089E-07 |
| 1.383362258E-09 |
| 1.9593490451E-10 |
| 1.963023459E-09 |
| 4.655682398E-11 |
| 3.750926126E-11 |
| 2.6305644531E-14 |
| 2.4617030312E-10 |
| 4.9300650118E-10 |
| 7.0975177202E-10 |
| 1.1823850724E-10 |
| 4.7149942532E-11 |
| 8.2816936437E-13 |
| 5.6545683986E-10 |
| 6.6742990786E-10 |
| 7.0254092329E-12 |
| 1.2131856427E-11 |
| 3.5871588064E-10 |
| 8.9488415816E-09 |
| 1.4928000721E-14 |
| 2.1705623522E-12 |
| 4.5287614517E-10 |
| 9.2604831236E-18 |
| 3.4581886282E-15 |
| 8.3441780334E-13 |
| 3.0389394337E-14 |

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|------------------|
| 3.6043640297E-10 |
| 2.7400510773E-10 |
| 8.7036576118E-11 |
| 3.7587502143E-15 |
| 1.5457413755E-14 |
| 7.9542257363E-12 |
| 6.7031356892E-11 |
| 1.9993625885E-10 |
| 1.4467677372E-10 |
| 1.8219453279E-17 |
| 1.817132188E-13 |
| 1.6770197355E-12 |
| 5.7717983359E-12 |
| 8.1902786846E-14 |
| 4.1632544832E-12 |
| 6.3374745418E-13 |

| FREQ ABS | FREQ ABS ACUMUL | FREQ RELAT | FREQ RELATIVA ACUMULADA |
|----------|-----------------|------------|-------------------------|
| 156 | 156 | 0.609375 | 0.609375 |
| 100 | 256 | 0.390625 | 1 |
| | 256 | | 1 |

RENT EFECT DIARIA

| |
|-----------------|
| -0.08922% |
| -0.001540408766 |
| 0.0203824332843 |
| -0.026199028101 |
| 0.0465814613849 |
| 4.928759289E-05 |
| 0.0070205122956 |
| 7.868460108221 |
| 0.1125473739066 |
| 0.1902986644746 |
| 0.9204440063727 |
| 10.582095953821 |
| 5.991464547108 |

Com B es més gran que INV.CHIQUADR, rebutjem hipotesi nula, no segueixen una

| Fecha | Último | Apertura | Máximo | Mínimo | Vol. | % var. | RENDIBILITAT EFECTIVA D |
|------------|--------|----------|--------|--------|---------|--------|-------------------------|
| 29.12.2023 | 136.76 | 137.64 | 137.67 | 136.77 | 0,06K | -0.78% | -0.00776318653413641 |
| 28.12.2023 | 137.83 | 138.17 | 138.19 | 137.64 | 0,09K | -0.25% | -0.00253292806484292 |
| 27.12.2023 | 138.18 | 137.39 | 138.33 | 137.39 | 0,04K | +0.54% | 0.00538416763678703 |
| 22.12.2023 | 137.44 | 137.17 | 137.59 | 137.14 | 0,03K | -0.03% | -0.000290951411114286 |
| 21.12.2023 | 137.48 | 137.47 | 137.64 | 137.36 | 0,04K | +0.08% | 0.000800757079420435 |
| 20.12.2023 | 137.37 | 137.12 | 137.61 | 137.12 | 0,02K | +0.31% | 0.00314006134073322 |
| 19.12.2023 | 136.94 | 136.38 | 136.93 | 136.38 | 0,00K | +0.47% | 0.00469552457813636 |
| 18.12.2023 | 136.3 | 136.66 | 136.98 | 136.25 | 0,04K | -0.42% | -0.0042372881355931 |
| 15.12.2023 | 136.88 | 136.28 | 136.85 | 136.28 | 0,01K | +0.84% | 0.00839840872255773 |
| 14.12.2023 | 135.74 | 136.19 | 136.38 | 135.79 | 0,01K | +0.41% | 0.00414262464861668 |
| 13.12.2023 | 135.18 | 134.77 | 136 | 134.77 | 0,05K | +0.45% | 0.00453295682544411 |
| 12.12.2023 | 134.57 | 134.67 | 134.71 | 134.59 | 0,19K | +0.32% | 0.00320560608319671 |
| 11.12.2023 | 134.14 | 134.22 | 134.22 | 134.22 | 0,00K | +0.03% | 0.000298284862043192 |
| 08.12.2023 | 134.1 | 135.38 | 135.46 | 134.37 | 894,13K | -1.00% | -0.0100398641665437 |
| 07.12.2023 | 135.46 | 135.49 | 135.81 | 134.87 | 987,74K | +0.07% | 0.000738770685579154 |
| 06.12.2023 | 135.36 | 134.93 | 135.55 | 134.55 | 1,11M | +0.28% | 0.00281523188620554 |
| 05.12.2023 | 134.98 | 133.94 | 135.04 | 133.91 | 1,01M | +0.84% | 0.0083669505453457 |
| 04.12.2023 | 133.86 | 133.72 | 134.24 | 133.42 | 1,16M | +0.19% | 0.00194610778443128 |
| 01.12.2023 | 133.6 | 132.77 | 133.92 | 132.59 | 830,30K | +0.72% | 0.00716170373162449 |
| 30.11.2023 | 132.65 | 133.15 | 133.34 | 132.29 | 331,83K | -0.34% | -0.00338091660405701 |
| 29.11.2023 | 133.1 | 132.34 | 133.18 | 132.3 | 125,18K | +0.61% | 0.00612291178471542 |
| 28.11.2023 | 132.29 | 131.5 | 132.32 | 131.45 | 45,28K | +0.47% | 0.00470874155084685 |
| 27.11.2023 | 131.67 | 130.93 | 131.78 | 130.51 | 20,77K | +0.78% | 0.00780711825487931 |
| 24.11.2023 | 130.65 | 130.92 | 130.92 | 130.47 | 8,98K | -0.21% | -0.00213854731535936 |
| 23.11.2023 | 130.93 | 131.69 | 131.69 | 130.85 | 22,64K | -0.50% | -0.0050155786913899 |
| 22.11.2023 | 131.59 | 131.53 | 132.07 | 131.28 | 24,37K | -0.03% | -0.000303882093747566 |
| 21.11.2023 | 131.63 | 131.31 | 131.75 | 131.22 | 18,69K | +0.46% | 0.00457910402197966 |
| 20.11.2023 | 131.03 | 131.25 | 131.31 | 130.83 | 2,51K | -0.29% | -0.00289171295943989 |
| 17.11.2023 | 131.41 | 131.49 | 132.09 | 131.26 | 4,39K | -0.11% | -0.00114016418364249 |
| 16.11.2023 | 131.56 | 131.17 | 131.57 | 131 | 2,83K | +0.42% | 0.00419815281276247 |
| 15.11.2023 | 131.01 | 131.47 | 131.58 | 130.74 | 2,42K | -0.18% | -0.00175251447729365 |
| 14.11.2023 | 131.24 | 130.06 | 131.29 | 130 | 4,36K | +0.99% | 0.0099268949596 |
| 13.11.2023 | 129.95 | 129.81 | 130.1 | 129.72 | 1,64K | -0.12% | -0.00122972869110772 |
| 10.11.2023 | 130.11 | 130.23 | 130.36 | 129.81 | 1,01K | -0.47% | -0.00466646266829854 |
| 09.11.2023 | 130.72 | 131.14 | 131.14 | 130.09 | 2,50K | -0.21% | -0.00213740458015268 |
| 08.11.2023 | 131 | 130.68 | 131.16 | 130.63 | 0,22K | +0.33% | 0.00329325266140773 |
| 07.11.2023 | 130.57 | 130.21 | 130.66 | 130.21 | 1,34K | +0.52% | 0.00515781370284825 |
| 06.11.2023 | 129.9 | 130.57 | 130.57 | 129.74 | 0,45K | -0.66% | -0.00657693484245936 |
| 03.11.2023 | 130.76 | 129.93 | 130.92 | 129.93 | 1,16K | +0.50% | 0.00499577280762414 |
| 02.11.2023 | 130.11 | 130.08 | 130.53 | 129.96 | 0,63K | +0.37% | 0.00370284656329567 |
| 01.11.2023 | 129.63 | 128.7 | 130 | 128.69 | 0,50K | +0.36% | 0.00356119842068598 |
| 31.10.2023 | 129.17 | 129.2 | 129.57 | 129.04 | 0,69K | +0.20% | 0.00201691102319441 |
| 30.10.2023 | 128.91 | 128.9 | 129.45 | 128.75 | 0,02K | +0.06% | 0.00062097337576639 |
| 27.10.2023 | 128.83 | 128.6 | 129 | 128.6 | 0,00K | +0.14% | 0.00139914496696469 |
| 26.10.2023 | 128.65 | 127.95 | 128.95 | 127.95 | 0,12K | +0.26% | 0.0025716957605986 |
| 25.10.2023 | 128.32 | 128.48 | 128.48 | 128.04 | 0,01K | -0.33% | -0.00333980582524277 |
| 24.10.2023 | 128.75 | 128.74 | 129.01 | 128.74 | 0,10K | +0.31% | 0.00311647837943129 |

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|------------|--------|--------|--------|--------|---------|---------------|-----------------------|
| 23.10.2023 | 128.35 | 127.85 | 128.35 | 127.44 | 0,06K | +0.05% | 0.000467690388962525 |
| 20.10.2023 | 128.29 | 127.89 | 127.89 | 127.87 | 0,18K | +0.42% | 0.00422700587084143 |
| 19.10.2023 | 127.75 | 127.61 | 127.98 | 127.61 | 0,10K | -0.06% | -0.000625831182038632 |
| 18.10.2023 | 127.83 | 128.14 | 128.4 | 127.9 | 0,42K | -0.40% | -0.00397381954184202 |
| 17.10.2023 | 128.34 | 128.8 | 128.8 | 128.3 | 0,07K | -0.77% | -0.00773156022885418 |
| 16.10.2023 | 129.34 | 129.6 | 129.6 | 129.37 | 0,06K | -0.35% | -0.00346713922490168 |
| 13.10.2023 | 129.79 | 130.13 | 130.13 | 130.13 | 0,21K | +0.29% | 0.00285890897851958 |
| 12.10.2023 | 129.42 | 129.71 | 129.8 | 129.3 | 0,18K | -0.48% | -0.00476776376499542 |
| 11.10.2023 | 130.04 | 129.36 | 130.02 | 129.36 | 0,02K | +0.50% | 0.00502357214622464 |
| 10.10.2023 | 129.39 | 129.53 | 129.53 | 129.03 | 0,17K | -0.05% | -0.000540707554457142 |
| 09.10.2023 | 129.46 | 128.4 | 129.63 | 128.4 | 0,41K | +1.01% | 0.0101435705368291 |
| 06.10.2023 | 128.16 | 127.8 | 128.24 | 127.74 | 0,17K | -0.11% | -0.00109119251753714 |
| 05.10.2023 | 128.3 | 127.7 | 128.35 | 127.7 | 0,46K | +0.56% | 0.00564351779275759 |
| 04.10.2023 | 127.58 | 127.03 | 127.7 | 126.95 | 0,14K | +0.06% | 0.000627450980392143 |
| 03.10.2023 | 127.5 | 128.02 | 128.02 | 127.37 | 0,02K | -0.39% | -0.00390625 |
| 02.10.2023 | 128 | 128.27 | 128.27 | 128.25 | 0,00K | -0.66% | -0.00659681800543263 |
| 29.09.2023 | 128.85 | 128.3 | 128.92 | 128.3 | 0,03K | +1.19% | 0.0119374852744836 |
| 28.09.2023 | 127.33 | 128.8 | 128.8 | 127.6 | 0,07K | -1.25% | -0.012486427795874 |
| 27.09.2023 | 128.94 | 129.1 | 129.1 | 128.4 | 0,17K | -0.15% | -0.00154870682979703 |
| 26.09.2023 | 129.14 | 128.83 | 129.3 | 128.69 | 845,60K | -0.11% | -0.00108292079207932 |
| 25.09.2023 | 129.28 | 129.16 | 129.22 | 129.12 | 0,02K | -0.38% | -0.00377591122755652 |
| 22.09.2023 | 129.77 | 129.79 | 129.79 | 129.5 | 0,00K | -0.04% | -0.00038514866738548 |
| 21.09.2023 | 129.82 | 129.45 | 129.73 | 129.11 | 866,98K | -0.22% | -0.00222888325263255 |
| 20.09.2023 | 130.11 | 129.37 | 129.97 | 129.3 | 659,88K | +0.25% | 0.00254276467868711 |
| 19.09.2023 | 129.78 | 129.99 | 130.1 | 129.39 | 670,79K | -0.17% | -0.00169230769230768 |
| 18.09.2023 | 130 | 130.5 | 130.5 | 130.27 | 0,00K | -0.41% | -0.00406036926377079 |
| 15.09.2023 | 130.53 | 130.5 | 130.5 | 130.5 | 0,00K | -0.68% | -0.00677218079439953 |
| 14.09.2023 | 131.42 | 130.79 | 131.35 | 130.62 | 0,02K | +0.57% | 0.00566268748086915 |
| 13.09.2023 | 130.68 | 130.65 | 130.74 | 130.65 | 0,00K | -0.17% | -0.00168067226890755 |
| 12.09.2023 | 130.9 | 130.85 | 130.85 | 130.85 | 0,00K | +0.01% | 7.64000305601599E-05 |
| 11.09.2023 | 130.89 | 130.98 | 130.98 | 130.98 | 0,00K | -0.33% | -0.00327444410600066 |
| 08.09.2023 | 131.32 | 131.3 | 131.3 | 131.3 | 0,00K | +0.37% | 0.00366860287373884 |
| 07.09.2023 | 130.84 | 130.43 | 131.03 | 130.35 | 680,51K | +0.25% | 0.00252854187418598 |
| 06.09.2023 | 130.51 | 130.86 | 131.16 | 130.38 | 896,26K | -0.40% | -0.00404456654456655 |
| 05.09.2023 | 131.04 | 131.33 | 131.44 | 130.79 | 688,55K | -0.22% | -0.00220817787253499 |
| 04.09.2023 | 131.33 | 131.77 | 131.82 | 131.25 | 835,72K | -0.38% | -0.00379276340741865 |
| 01.09.2023 | 131.83 | 132.49 | 132.78 | 131.63 | 567,20K | -0.60% | -0.00603181783910113 |
| 31.08.2023 | 132.63 | 131.53 | 132.69 | 131.28 | 335,54K | +0.65% | 0.00645014417969339 |
| 30.08.2023 | 131.78 | 131.96 | 132.01 | 131.24 | 139,05K | -0.14% | -0.00143972114874591 |
| 29.08.2023 | 131.97 | 131.69 | 132.19 | 131.36 | 35,45K | +0.46% | 0.00464372716199745 |
| 28.08.2023 | 131.36 | 131.48 | 131.75 | 131.18 | 10,70K | -0.14% | -0.00136840504789401 |
| 25.08.2023 | 131.54 | 131.82 | 131.99 | 131.31 | 7,19K | -0.30% | -0.00295611309027526 |
| 24.08.2023 | 131.93 | 132.22 | 132.76 | 131.81 | 5,73K | -0.05% | -0.000530303030302979 |
| 23.08.2023 | 132 | 130.74 | 132.26 | 130.71 | 10,82K | +1.10% | 0.0110294117647059 |
| 22.08.2023 | 130.56 | 130.05 | 130.74 | 130.03 | 3,40K | +0.46% | 0.00461680517082175 |
| 21.08.2023 | 129.96 | 130.65 | 130.85 | 129.93 | 5,02K | -0.68% | -0.00680168131448213 |
| 18.08.2023 | 130.85 | 130.26 | 131.16 | 130.25 | 7,27K | +0.60% | 0.00599677096947798 |
| 17.08.2023 | 130.07 | 130.1 | 130.32 | 129.88 | 2,56K | -0.41% | -0.00413444606079183 |

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|------------|--------|--------|--------|--------|---------|---------------|-----------------------|
| 16.08.2023 | 130.61 | 130.23 | 130.72 | 130.22 | 0,93K | +0.25% | 0.00253300583358929 |
| 15.08.2023 | 130.28 | 130.6 | 130.6 | 129.72 | 4,10K | -0.34% | -0.00336597307221541 |
| 14.08.2023 | 130.72 | 130.8 | 131.07 | 130.58 | 0,77K | -0.15% | -0.00152765047357156 |
| 11.08.2023 | 130.92 | 131.78 | 131.78 | 130.79 | 1,54K | -0.73% | -0.00727934485896275 |
| 10.08.2023 | 131.88 | 132 | 132.35 | 131.47 | 0,08K | -0.33% | -0.00332527206771461 |
| 09.08.2023 | 132.32 | 132.65 | 132.65 | 132.06 | 3,68K | -0.25% | -0.00248774971730126 |
| 08.08.2023 | 132.65 | 131.48 | 132.91 | 131.48 | 1,39K | +1.07% | 0.0106666666666667 |
| 07.08.2023 | 131.25 | 131.74 | 131.77 | 130.92 | 0,67K | -0.18% | -0.00182523385808814 |
| 04.08.2023 | 131.49 | 131.22 | 131.84 | 130.68 | 1,77K | +0.08% | 0.000761092929446859 |
| 03.08.2023 | 131.39 | 131.53 | 131.71 | 131.21 | 0,41K | -0.41% | -0.00409307966345805 |
| 02.08.2023 | 131.93 | 131.98 | 132.29 | 131.92 | 0,20K | +0.17% | 0.00174639331814744 |
| 01.08.2023 | 131.7 | 132.46 | 132.46 | 131.68 | 0,12K | -0.59% | -0.0058876811594203 |
| 31.07.2023 | 132.48 | 132 | 132.52 | 132 | 0,26K | +0.02% | 0.000150988977804483 |
| 28.07.2023 | 132.46 | 131.8 | 132.79 | 131.4 | 0,08K | -0.02% | -0.000150966183574742 |
| 27.07.2023 | 132.48 | 132.85 | 133.02 | 131.9 | 1,13K | -0.03% | -0.000301841231512379 |
| 26.07.2023 | 132.52 | 132.98 | 132.98 | 132.45 | 0,51K | -0.36% | -0.0036090225563909 |
| 25.07.2023 | 133 | 132.91 | 132.91 | 132.9 | 0,03K | -0.17% | -0.00172633791188163 |
| 24.07.2023 | 133.23 | 132.56 | 133.45 | 132.56 | 0,10K | +0.30% | 0.00301136791387471 |
| 21.07.2023 | 132.83 | 132.56 | 132.78 | 132.56 | 1,15K | +0.26% | 0.00256623141369162 |
| 20.07.2023 | 132.49 | 133.08 | 133.08 | 132.38 | 0,05K | -0.51% | -0.00510625516257399 |
| 19.07.2023 | 133.17 | 134.25 | 134.29 | 133.12 | 0,02K | -0.42% | -0.00418754206236448 |
| 18.07.2023 | 133.73 | 133 | 133.7 | 133 | 0,01K | +0.94% | 0.00943538647342995 |
| 17.07.2023 | 132.48 | 132.5 | 132.5 | 132.42 | 0,00K | +0.13% | 0.00128486131055844 |
| 14.07.2023 | 132.31 | 132.28 | 132.34 | 132.28 | 0,02K | +0.01% | 7.55857898714354E-05 |
| 13.07.2023 | 132.3 | 131.69 | 132.72 | 131.69 | 0,01K | +0.66% | 0.00661949326637757 |
| 12.07.2023 | 131.43 | 130.68 | 131.57 | 130.68 | 0,01K | +0.77% | 0.00766694778808556 |
| 11.07.2023 | 130.43 | 130.89 | 130.89 | 130.42 | 0,01K | -0.08% | -0.000842653592768387 |
| 10.07.2023 | 130.54 | 130.44 | 130.58 | 130.1 | 0,01K | -0.04% | -0.000382877708859877 |
| 07.07.2023 | 130.59 | 130.76 | 130.88 | 130.37 | 0,01K | -0.05% | -0.000459242250287044 |
| 06.07.2023 | 130.65 | 131.84 | 131.93 | 130.7 | 0,02K | -1.24% | -0.0123970065764607 |
| 05.07.2023 | 132.29 | 132.96 | 132.96 | 132 | 0,09K | -0.14% | -0.00143417874396134 |
| 04.07.2023 | 132.48 | 132.68 | 132.68 | 132.4 | 0,01K | -0.24% | -0.00240963855421703 |
| 03.07.2023 | 132.8 | 132.59 | 132.9 | 132.58 | 0,01K | -0.28% | -0.00277840354434164 |
| 30.06.2023 | 133.17 | 132.89 | 132.89 | 132.89 | 0,00K | +0.06% | 0.000601097002028583 |
| 29.06.2023 | 133.09 | 133.34 | 133.34 | 132.89 | 0,00K | -0.69% | -0.00693926279659757 |
| 28.06.2023 | 134.02 | 133.99 | 134.13 | 133.99 | 0,02K | +0.33% | 0.0032939062733942 |
| 27.06.2023 | 133.58 | 134 | 134 | 133.68 | 0,01K | -0.47% | -0.00469413605543548 |
| 26.06.2023 | 134.21 | 134.24 | 134.25 | 133.99 | 0,04K | +0.37% | 0.00373943609303717 |
| 23.06.2023 | 133.71 | 133.27 | 133.9 | 133.27 | 0,01K | +1.21% | 0.0121111195216107 |
| 22.06.2023 | 132.11 | 133.03 | 133.03 | 132.21 | 0,00K | -0.53% | -0.00527068744823423 |
| 21.06.2023 | 132.81 | 132.8 | 132.8 | 132.65 | 0,00K | -0.28% | -0.00277819492416282 |
| 20.06.2023 | 133.18 | 132.17 | 133.09 | 132.17 | 0,03K | +1.00% | 0.0100106173214014 |
| 19.06.2023 | 131.86 | 131.99 | 131.99 | 131.99 | 0,00K | -0.54% | -0.00543068336098958 |
| 16.06.2023 | 132.58 | 132.05 | 132.62 | 131.8 | 0,01K | +0.35% | 0.00348168331819564 |
| 15.06.2023 | 132.12 | 132.52 | 132.57 | 131.87 | 0,01K | -0.45% | -0.00452079566003612 |
| 14.06.2023 | 132.72 | 133.35 | 133.71 | 132.9 | 723,18K | -0.23% | -0.00225529995489409 |
| 13.06.2023 | 133.02 | 133.4 | 133.4 | 133.23 | 0,00K | -0.49% | -0.00493716337522439 |
| 12.06.2023 | 133.68 | 133.97 | 133.97 | 133.52 | 0,00K | +0.01% | 7.48111019676766E-05 |

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|------------|--------|--------|--------|--------|---------|--------|-----------------------|
| 09.06.2023 | 133.67 | 133.64 | 133.64 | 133.38 | 0,00K | -0.01% | -7.4805505685363E-05 |
| 08.06.2023 | 133.68 | 133.38 | 133.9 | 132.97 | 650,71K | +0.14% | 0.00142332759008164 |
| 07.06.2023 | 133.49 | 134.55 | 134.67 | 133.21 | 858,55K | -0.45% | -0.00454884414615947 |
| 06.06.2023 | 134.1 | 134.16 | 134.95 | 133.82 | 700,49K | -0.03% | -0.000298195914715909 |
| 05.06.2023 | 134.14 | 134.68 | 134.7 | 133.88 | 909,19K | -0.58% | -0.0057812036762526 |
| 02.06.2023 | 134.92 | 135.6 | 135.61 | 134.72 | 757,64K | -0.40% | -0.00398641665436306 |
| 01.06.2023 | 135.46 | 135.32 | 135.85 | 134.89 | 412,80K | +0.10% | 0.00103458468814672 |
| 31.05.2023 | 135.32 | 134.63 | 135.66 | 134.61 | 140,46K | +0.63% | 0.00632111251580274 |
| 30.05.2023 | 134.47 | 133.45 | 134.75 | 133.45 | 53,95K | +0.73% | 0.00726591760299625 |
| 29.05.2023 | 133.5 | 132.33 | 133.61 | 132.33 | 11,94K | +0.98% | 0.00975720444746987 |
| 26.05.2023 | 132.21 | 132.3 | 132.82 | 132.12 | 15,05K | -0.51% | -0.00511701407178854 |
| 25.05.2023 | 132.89 | 132.92 | 133.47 | 132.25 | 13,98K | -0.34% | -0.00337483125843721 |
| 24.05.2023 | 133.34 | 133.4 | 133.71 | 132.74 | 4,63K | +0.15% | 0.00150217815832971 |
| 23.05.2023 | 133.14 | 133.33 | 133.4 | 132.82 | 6,39K | -0.08% | -0.000825515947467269 |
| 22.05.2023 | 133.25 | 133.66 | 133.92 | 133.18 | 4,32K | -0.19% | -0.00194741966893859 |
| 19.05.2023 | 133.51 | 133.21 | 133.79 | 132.8 | 5,06K | +0.16% | 0.00157539384846196 |
| 18.05.2023 | 133.3 | 134.6 | 134.6 | 133.16 | 1,06K | -1.07% | -0.0106872495175894 |
| 17.05.2023 | 134.74 | 134.65 | 135.06 | 134.6 | 4,82K | +0.13% | 0.00133769322235439 |
| 16.05.2023 | 134.56 | 135.32 | 135.53 | 134.43 | 1,44K | -0.36% | -0.00355450236966817 |
| 15.05.2023 | 135.04 | 135.09 | 135.22 | 134.96 | 3,38K | -0.31% | -0.00310054628672683 |
| 12.05.2023 | 135.46 | 135.97 | 135.98 | 135.25 | 0,16K | -0.39% | -0.00389734539304361 |
| 11.05.2023 | 135.99 | 135.24 | 136.5 | 135.24 | 1,38K | +0.55% | 0.00547134935304998 |
| 10.05.2023 | 135.25 | 134.31 | 135.26 | 134.31 | 1,90K | +0.42% | 0.00415769544880839 |
| 09.05.2023 | 134.69 | 134.76 | 135.04 | 134.44 | 0,40K | -0.10% | -0.000964248627799996 |
| 08.05.2023 | 134.82 | 135.2 | 135.2 | 134.75 | 0,16K | -0.27% | -0.00273688882313784 |
| 05.05.2023 | 135.19 | 135.98 | 135.98 | 135.05 | 0,19K | -0.77% | -0.00770698766881981 |
| 04.05.2023 | 136.24 | 135.56 | 136.33 | 135 | 0,25K | +0.50% | 0.0050162289760992 |
| 03.05.2023 | 135.56 | 135.41 | 135.88 | 135.23 | 0,39K | +0.01% | 0.000147557916482295 |
| 02.05.2023 | 135.54 | 134.19 | 135.38 | 133.87 | 0,04K | +0.50% | 0.00496774671906271 |
| 28.04.2023 | 134.87 | 133.33 | 134.87 | 133.33 | 0,41K | +1.04% | 0.0104135451003897 |
| 27.04.2023 | 133.48 | 133.59 | 133.59 | 133.29 | 0,57K | -0.62% | -0.00617973345246082 |
| 26.04.2023 | 134.31 | 134.41 | 134.96 | 133.88 | 0,01K | -0.04% | -0.000372134563858376 |
| 25.04.2023 | 134.36 | 133.47 | 134.67 | 133.47 | 0,23K | +1.00% | 0.00999774486957838 |
| 24.04.2023 | 133.03 | 133.42 | 133.42 | 133.08 | 0,01K | +0.08% | 0.000752275633792179 |
| 21.04.2023 | 132.93 | 133.58 | 133.58 | 132.96 | 0,01K | -0.34% | -0.00337381916329276 |
| 20.04.2023 | 133.38 | 133.45 | 133.5 | 133.07 | 0,01K | +0.44% | 0.00444310565554638 |
| 19.04.2023 | 132.79 | 132.81 | 132.82 | 132.74 | 0,00K | -0.40% | -0.00397539753975398 |
| 18.04.2023 | 133.32 | 133.02 | 133.02 | 132.9 | 0,00K | +0.22% | 0.00217995940765235 |
| 17.04.2023 | 133.03 | 133.15 | 133.15 | 133.1 | 0,00K | -0.52% | -0.00516003589590187 |
| 14.04.2023 | 133.72 | 134.31 | 134.55 | 133.81 | 0,02K | -0.54% | -0.00542952770546664 |
| 13.04.2023 | 134.45 | 134.41 | 134.41 | 134.11 | 0,04K | +0.01% | 7.43826242189148E-05 |
| 12.04.2023 | 134.44 | 135.17 | 135.58 | 134.09 | 0,01K | -0.50% | -0.00503256364712853 |
| 11.04.2023 | 135.12 | 135.87 | 135.87 | 134.96 | 0,08K | -1.57% | -0.0157342657342657 |
| 07.04.2023 | 137.28 | 137.28 | 137.28 | 137.28 | | +0.54% | 0.00541965724329873 |
| 06.04.2023 | 136.54 | 136.68 | 136.97 | 136.67 | 0,01K | +0.01% | 0.000146498681511733 |
| 05.04.2023 | 136.52 | 135.17 | 136.62 | 135.17 | 0,02K | +0.72% | 0.00723033790762888 |
| 04.04.2023 | 135.54 | 135.71 | 135.76 | 134.99 | 0,01K | -0.19% | -0.00191458026509587 |
| 03.04.2023 | 135.8 | 135.6 | 135.6 | 135.6 | 0,01K | +0.53% | 0.0053301747112822 |

| | | | | | | | |
|------------|--------|--------|--------|--------|---------|---------------|-----------------------|
| 31.03.2023 | 135.08 | 135.03 | 135.4 | 135.03 | 0,00K | +0.49% | 0.00490998363338808 |
| 30.03.2023 | 134.42 | 135.8 | 135.8 | 134.1 | 0,01K | -0.45% | -0.00451751462637942 |
| 29.03.2023 | 135.03 | 135.12 | 135.12 | 134.75 | 0,01K | -0.11% | -0.00110963160230808 |
| 28.03.2023 | 135.18 | 135.28 | 135.38 | 135.02 | 0,03K | -0.67% | -0.00668675141450508 |
| 27.03.2023 | 136.09 | 137.55 | 137.85 | 136.17 | 778,06K | -0.78% | -0.00780110819480893 |
| 24.03.2023 | 137.16 | 136.81 | 138.1 | 136.81 | 0,01K | +0.70% | 0.00697452463108427 |
| 23.03.2023 | 136.21 | 136.35 | 136.35 | 136.35 | 0,00K | +1.18% | 0.0118110236220473 |
| 22.03.2023 | 134.62 | 135.21 | 135.21 | 134.13 | 0,01K | -0.41% | -0.00414262464861668 |
| 21.03.2023 | 135.18 | 135.71 | 135.71 | 135.71 | 0,00K | -1.42% | -0.0142200831327936 |
| 20.03.2023 | 137.13 | 136.95 | 138.27 | 136.95 | 0,00K | -0.17% | -0.0016744321490974 |
| 17.03.2023 | 137.36 | 135.18 | 137.31 | 135.18 | 0,00K | +1.20% | 0.0120091357842778 |
| 16.03.2023 | 135.73 | 135.57 | 135.57 | 135.57 | 0,00K | -0.78% | -0.00782163742690074 |
| 15.03.2023 | 136.8 | 132.7 | 136.35 | 132.7 | 0,01K | +2.76% | 0.0275670397355969 |
| 14.03.2023 | 133.13 | 135.39 | 135.39 | 133.17 | 0,01K | -1.56% | -0.0156018929310856 |
| 13.03.2023 | 135.24 | 132.99 | 135.99 | 132.99 | 0,02K | +1.76% | 0.017607223476298 |
| 10.03.2023 | 132.9 | 132.14 | 133.2 | 132.12 | 0,02K | +1.56% | 0.0155891792755616 |
| 09.03.2023 | 130.86 | 130.71 | 130.71 | 130.57 | 0,00K | -0.81% | -0.00811036155537022 |
| 08.03.2023 | 131.93 | 131.03 | 132.02 | 130.77 | 841,35K | +0.54% | 0.00541076055479354 |
| 07.03.2023 | 131.22 | 130.77 | 131.78 | 130.6 | 921,04K | +0.24% | 0.00236803911083953 |
| 06.03.2023 | 130.91 | 131.27 | 131.82 | 130.55 | 865,14K | +0.08% | 0.000840978593272058 |
| 03.03.2023 | 130.8 | 130.51 | 131.33 | 130.47 | 819,45K | +0.06% | 0.000611995104039263 |
| 02.03.2023 | 130.72 | 130.93 | 131.16 | 130.35 | 909,54K | -0.23% | -0.00228972675927348 |
| 01.03.2023 | 131.02 | 131.69 | 132.01 | 130.79 | 476,39K | -0.70% | -0.00704812428950344 |
| 28.02.2023 | 131.95 | 132.57 | 132.63 | 131.09 | 186,54K | -0.53% | -0.0052770448548814 |
| 27.02.2023 | 132.65 | 133.25 | 133.36 | 132.43 | 56,74K | -0.32% | -0.00315623356128344 |
| 24.02.2023 | 133.07 | 133.83 | 134.3 | 132.69 | 18,31K | -0.46% | -0.00456313584679843 |
| 23.02.2023 | 133.68 | 133.2 | 133.91 | 132.82 | 33,12K | +0.25% | 0.00254987250637471 |
| 22.02.2023 | 133.34 | 132.85 | 133.42 | 132.66 | 24,15K | +0.28% | 0.00278258253741449 |
| 21.02.2023 | 132.97 | 133.89 | 133.89 | 132.78 | 17,89K | -0.68% | -0.00679713175978486 |
| 20.02.2023 | 133.88 | 134.21 | 134.34 | 133.84 | 6,92K | -0.02% | -0.000224031065641111 |
| 17.02.2023 | 133.91 | 133.2 | 134.31 | 132.8 | 4,95K | +0.26% | 0.00262054507337522 |
| 16.02.2023 | 133.56 | 133.76 | 134.06 | 133.25 | 5,29K | -0.15% | -0.0014952153110047 |
| 15.02.2023 | 133.76 | 134.31 | 134.47 | 133.71 | 9,00K | -0.34% | -0.00335295432531121 |
| 14.02.2023 | 134.21 | 135.27 | 135.45 | 134.09 | 9,98K | -0.46% | -0.00459838314915082 |
| 13.02.2023 | 134.83 | 135 | 135.2 | 134.64 | 7,06K | -0.05% | -0.000518902891030342 |
| 10.02.2023 | 134.9 | 135.2 | 135.43 | 134.88 | 3,09K | -0.55% | -0.00552893475856985 |
| 09.02.2023 | 135.65 | 135.23 | 136.22 | 135.15 | 3,10K | +0.47% | 0.00466597541105018 |
| 08.02.2023 | 135.02 | 134.99 | 135.27 | 134.66 | 1,33K | -0.48% | -0.00479103707525597 |
| 07.02.2023 | 135.67 | 135.8 | 136 | 135.04 | 3,34K | -0.15% | -0.0014719952896152 |
| 06.02.2023 | 135.87 | 136.37 | 136.37 | 135.8 | 4,65K | -0.83% | -0.00832056054302596 |
| 03.02.2023 | 137.01 | 138.35 | 138.4 | 136.73 | 0,94K | -1.28% | -0.0128251314936235 |
| 02.02.2023 | 138.79 | 136.1 | 138.6 | 136.04 | 1,24K | +2.28% | 0.0227708179808401 |
| 01.02.2023 | 135.7 | 135.9 | 136.24 | 135.71 | 0,87K | -0.05% | -0.000515577815423301 |
| 31.01.2023 | 135.77 | 136.66 | 137.3 | 136.49 | 0,51K | +0.09% | 0.000884629561371209 |
| 30.01.2023 | 135.65 | 136.69 | 136.87 | 135.4 | 1,57K | -0.54% | -0.00535269101041201 |
| 27.01.2023 | 136.38 | 136.25 | 136.35 | 136.14 | 0,63K | -0.23% | -0.00226790547955229 |
| 26.01.2023 | 136.69 | 137.5 | 137.5 | 136.66 | 1,14K | -0.44% | -0.00444282592862355 |

| | | | | | | | |
|------------|--------|--------|--------|--------|-------|---------------|-----------------------|
| 25.01.2023 | 137.3 | 137.79 | 137.85 | 137.3 | 0,32K | +0.02% | 0.000218547388358717 |
| 24.01.2023 | 137.27 | 137.08 | 137.31 | 136.72 | 0,07K | +0.26% | 0.00262946461178887 |
| 23.01.2023 | 136.91 | 137.24 | 137.31 | 136.81 | 0,30K | -0.17% | -0.00167711827329729 |
| 20.01.2023 | 137.14 | 137.58 | 137.58 | 137.24 | 0,03K | -0.92% | -0.00924721861002746 |
| 19.01.2023 | 138.42 | 138.8 | 138.8 | 138.3 | 0,11K | -0.53% | -0.00531762000574884 |
| 18.01.2023 | 139.16 | 138.63 | 139.4 | 137.89 | 0,24K | +0.75% | 0.0074567436472888 |
| 17.01.2023 | 138.13 | 136.73 | 138.09 | 136.73 | 0,07K | +0.80% | 0.00795388207822536 |
| 16.01.2023 | 137.04 | 136.88 | 136.88 | 136.88 | 0,06K | -0.07% | -0.000656311529205888 |
| 13.01.2023 | 137.13 | 137.12 | 137.53 | 137.12 | 0,00K | +0.07% | 0.000656742556917713 |
| 12.01.2023 | 137.04 | 136.58 | 137.77 | 136.58 | 0,02K | +0.43% | 0.00425032976696456 |
| 11.01.2023 | 136.46 | 135.77 | 135.95 | 135.77 | 0,00K | +1.07% | 0.0107399451892454 |
| 10.01.2023 | 135.01 | 136.86 | 136.93 | 136.04 | 0,00K | -0.61% | -0.00611012956419326 |
| 09.01.2023 | 135.84 | 135.44 | 135.52 | 135.44 | 0,01K | -0.28% | -0.00278960505065332 |
| 06.01.2023 | 136.22 | 135.05 | 135.39 | 135.05 | 0,01K | +1.08% | 0.0107590710098686 |
| 05.01.2023 | 134.77 | 134.82 | 134.82 | 134.82 | 0,01K | -0.35% | -0.00354898336414041 |
| 04.01.2023 | 135.25 | 134.58 | 135.1 | 134.58 | 0,01K | +1.04% | 0.0103839832660988 |
| 03.01.2023 | 133.86 | 133.81 | 134.13 | 133.81 | 0,03K | +0.61% | 0.00608793686583993 |
| 02.01.2023 | 133.05 | 133.11 | 133.11 | 133.11 | 0,00K | +1.06% | |

(REND + MITJANA)⁴

| |
|------------------|
| 3.8725308075E-09 |
| 4.9937717034E-11 |
| 7.647839545E-10 |
| 3.0047218436E-14 |
| 2.0804436252E-13 |
| 8.2596012891E-11 |
| 4.3622989505E-10 |
| 3.6225405043E-10 |
| 4.6844190135E-09 |
| 2.6044030458E-10 |
| 3.7739406947E-10 |
| 9.0016878319E-11 |
| 8.9354061755E-16 |
| 1.0677589168E-08 |
| 1.4155213557E-13 |
| 5.2348724624E-11 |
| 4.6135742988E-09 |
| 1.098927909E-11 |
| 2.4512095277E-09 |
| 1.5114725057E-10 |
| 1.2938589415E-09 |
| 4.4129819242E-10 |
| 3.4820535244E-09 |
| 2.6269914797E-11 |
| 6.985223535E-10 |
| 3.3957545063E-14 |
| 3.9344928712E-10 |
| 8.2863128972E-11 |
| 2.56522164E-12 |
| 2.7514135899E-10 |
| 1.2436417212E-11 |
| 9.2293434619E-09 |
| 3.372183001E-12 |
| 5.272472625E-10 |
| 2.621691542E-11 |
| 1.007081489E-10 |
| 6.4136951584E-10 |
| 2.0179121466E-09 |
| 5.6266757935E-10 |
| 1.6379355098E-10 |
| 1.3935259226E-10 |
| 1.2800985513E-11 |
| 6.0320094972E-14 |
| 2.6323380104E-12 |
| 3.5813103592E-11 |
| 1.4418226081E-10 |
| 8.0041675322E-11 |

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|---------------|
| CLASSE |
| -20% |
| |
| 20% |

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|------------------------------|
| MITJANA |
| MEDIANA |
| MAXIM |
| MINIM |
| RECORREGUT |
| VARIANÇA |
| DESVIACIO TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALITZA |
| COEF D'ASSIMETRIA |
| CURTOSI |
| CONTRAST JARQUE-BER |
| INV CHIQUADRAT |

3.23%

| |
|------------------|
| 1.3728480575E-14 |
| 2.8302144718E-10 |
| 3.1847440463E-13 |
| 2.8235863164E-10 |
| 3.8108014111E-09 |
| 1.665719674E-10 |
| 5.5832552797E-11 |
| 5.7326569047E-10 |
| 5.7562444387E-10 |
| 1.968588772E-13 |
| 1.0072915083E-08 |
| 2.1906262225E-12 |
| 9.2718538133E-10 |
| 6.3536171295E-14 |
| 2.6419681895E-10 |
| 2.0419643156E-09 |
| 1.9467382378E-08 |
| 2.529944208E-08 |
| 7.8545941006E-12 |
| 2.1316535815E-12 |
| 2.3165333677E-10 |
| 6.7939026578E-14 |
| 3.0720515997E-11 |
| 3.4148754612E-11 |
| 1.0916614138E-11 |
| 3.0697115528E-10 |
| 2.2635235573E-09 |
| 9.4013665223E-10 |
| 1.0639769609E-11 |
| 5.7607398214E-18 |
| 1.3360774054E-10 |
| 1.5761164263E-10 |
| 3.3352152034E-11 |
| 3.0236164489E-10 |
| 2.9653966254E-11 |
| 2.3568197218E-10 |
| 1.4372610261E-09 |
| 1.6001998258E-09 |
| 6.0004288766E-12 |
| 4.1678684523E-10 |
| 4.9792701293E-12 |
| 9.0167747112E-11 |
| 1.8484426232E-13 |
| 1.4136653589E-08 |
| 4.0694176603E-10 |
| 2.3024965368E-09 |
| 1.1883944904E-09 |
| 3.2928512532E-10 |

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| 3.3600655825E-11 |
| 1.4858697877E-10 |
| 7.4668154602E-12 |
| 3.0063419541E-09 |
| 1.4177851499E-10 |
| 4.6628500893E-11 |
| 1.2347317549E-08 |
| 1.4477559967E-11 |
| 1.6331009429E-13 |
| 3.1667975262E-10 |
| 6.9045299326E-12 |
| 1.3073316562E-09 |
| 4.2933430807E-19 |
| 5.832913507E-15 |
| 3.3316368596E-14 |
| 1.9448666489E-10 |
| 1.1757365076E-11 |
| 6.9369916358E-11 |
| 3.5494189054E-11 |
| 7.4912378298E-10 |
| 3.4601189733E-10 |
| 7.5127304143E-09 |
| 1.8073319799E-12 |
| 6.1533696258E-18 |
| 1.7785922154E-09 |
| 3.2347739036E-09 |
| 8.7817722304E-13 |
| 6.6738256369E-14 |
| 1.168248496E-13 |
| 2.4589517556E-08 |
| 5.9158839841E-12 |
| 4.1298319556E-11 |
| 7.1099046774E-11 |
| 5.1209798741E-14 |
| 2.4909421089E-09 |
| 1.0079128944E-10 |
| 5.395327777E-10 |
| 1.7059805545E-10 |
| 2.0637528633E-08 |
| 8.4783852682E-10 |
| 7.1078616823E-11 |
| 9.5487472416E-09 |
| 9.5295484604E-10 |
| 1.268933636E-10 |
| 4.6600090826E-10 |
| 3.2122724896E-11 |
| 6.5686926275E-10 |
| 6.54523858E-18 |

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|------------------|
| 1.6063102425E-15 |
| 2.838006396E-12 |
| 4.7735598769E-10 |
| 3.2193765498E-14 |
| 1.2171631505E-09 |
| 2.8584548116E-10 |
| 6.833211877E-13 |
| 1.4735587107E-09 |
| 2.5996858428E-09 |
| 8.6066110707E-09 |
| 7.5530512659E-10 |
| 1.5010068929E-10 |
| 3.5930786483E-12 |
| 8.1762245359E-13 |
| 1.8460305132E-11 |
| 4.4205361271E-12 |
| 1.3668697171E-08 |
| 2.1599466994E-12 |
| 1.8337542197E-10 |
| 1.0829886267E-10 |
| 2.6187043527E-10 |
| 8.1677447097E-10 |
| 2.6437055832E-10 |
| 1.4097178276E-12 |
| 6.7119482345E-11 |
| 3.7633515741E-09 |
| 5.7218037947E-10 |
| 2.414292674E-19 |
| 5.4982769945E-10 |
| 1.1203398281E-08 |
| 1.5804281723E-09 |
| 6.1272132183E-14 |
| 9.4991071389E-09 |
| 1.5443630209E-13 |
| 1.4992715713E-10 |
| 3.4754863788E-10 |
| 2.8279366042E-10 |
| 1.7818949068E-11 |
| 7.8040566341E-10 |
| 9.5216224045E-10 |
| 6.7698578263E-18 |
| 7.0779943365E-10 |
| 6.3266699181E-08 |
| 7.8563890244E-10 |
| 1.9848575337E-19 |
| 2.5482571442E-09 |
| 1.7317952311E-11 |
| 7.3385560256E-10 |

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| 5.2405844569E-10 |
| 4.6468598415E-10 |
| 2.326484607E-12 |
| 2.1534509125E-09 |
| 3.9475329768E-09 |
| 2.2006068354E-09 |
| 1.8646995043E-08 |
| 3.3182123434E-10 |
| 4.2350610483E-08 |
| 1.0493484322E-11 |
| 1.9944043236E-08 |
| 3.9885877688E-09 |
| 5.6707536151E-07 |
| 6.1180772093E-08 |
| 9.340019376E-08 |
| 5.7182552146E-08 |
| 4.6005869459E-09 |
| 7.8037132716E-10 |
| 2.5295556028E-11 |
| 2.6221059847E-13 |
| 5.6066267855E-14 |
| 3.402150586E-11 |
| 2.6480623687E-09 |
| 8.5184112752E-10 |
| 1.1597270446E-10 |
| 4.8322097381E-10 |
| 3.4552161217E-11 |
| 4.98529867E-11 |
| 2.2964535695E-09 |
| 1.4907447474E-14 |
| 3.8760484305E-11 |
| 6.897798926E-12 |
| 1.463831144E-10 |
| 4.9791664783E-10 |
| 1.7232057233E-13 |
| 1.0221706922E-09 |
| 4.2505669656E-10 |
| 5.8425024201E-10 |
| 6.5108882821E-12 |
| 5.0885544216E-09 |
| 2.8128671139E-08 |
| 2.6297957817E-07 |
| 1.6879076531E-13 |
| 3.3228605736E-13 |
| 9.0056330079E-10 |
| 3.2808494119E-11 |
| 4.3549886443E-10 |

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|------------------|
| 7.5308351548E-17 |
| 3.9317698677E-11 |
| 1.0556268178E-11 |
| 7.7168878052E-09 |
| 8.7772198578E-10 |
| 2.8889255248E-09 |
| 3.7558838684E-09 |
| 3.7339367228E-13 |
| 7.9712517845E-14 |
| 2.8951419102E-10 |
| 1.2694247717E-08 |
| 1.5117882804E-09 |
| 7.2202480884E-11 |
| 1.2785987756E-08 |
| 1.8227780825E-10 |
| 1.1075185474E-08 |
| 1.2639410387E-09 |
| |

| FREQ ABS | FREQ ABS ACUMUL | FREQ RELATI | FREQ RELATIVA ACUMULADA |
|----------|-----------------|--------------|-------------------------|
| 137 | 137 | 0.537254902 | 0.537254901960784 |
| 117 | 254 | 0.4588235294 | 0.996078431372549 |
| | 255 | | 1 |

| |
|-------------|
| 0.012539% |
| -0.00045924 |
| 0.02756704 |
| -0.01573427 |
| 0.043301305 |
| ### |
| 0.00592978 |
| 47.29016902 |
| 0.094691 |
| 0.690319398 |
| 2.081164757 |
| 66.27248369 |
| 5.991464547 |

Com B es més gran que INV.CHIQUADR, rebutjem hipotesi nula, no segueixen una

| Fecha | Último | Apertura | Máximo | Mínimo | Vol. | % var. | RENDIBILITAT EFECTIVA D |
|------------|--------|----------|--------|--------|---------|--------|-------------------------|
| 30.12.2024 | 132.5 | 131.91 | 132.4 | 131.91 | 0,01K | +0.30% | 0.00295208538339252 |
| 27.12.2024 | 132.11 | 132.67 | 132.82 | 131.99 | 0,01K | -0.55% | -0.00549533273110501 |
| 23.12.2024 | 132.84 | 132.8 | 132.8 | 132.8 | 0,00K | -0.31% | -0.00307692307692305 |
| 20.12.2024 | 133.25 | 133.06 | 133.28 | 133.06 | 0,02K | +0.17% | 0.00172906329875199 |
| 19.12.2024 | 133.02 | 133.1 | 133.16 | 133.1 | 0,02K | -0.52% | -0.00523481902482791 |
| 18.12.2024 | 133.72 | 133.54 | 133.6 | 133.29 | 0,01K | -0.16% | -0.00164252650440495 |
| 17.12.2024 | 133.94 | 133.56 | 133.84 | 133.56 | 0,01K | +0.08% | 0.000821938279907235 |
| 16.12.2024 | 133.83 | 133.63 | 133.82 | 133.63 | 0,01K | +0.07% | 0.000747775368279539 |
| 13.12.2024 | 133.73 | 133.86 | 133.94 | 133.5 | 0,03K | -0.53% | -0.00528116631954781 |
| 12.12.2024 | 134.44 | 134.7 | 135.05 | 133.95 | 0,05K | -0.46% | -0.00459055234710502 |
| 11.12.2024 | 135.06 | 135.04 | 135.3 | 134.97 | 0,02K | -0.01% | -7.40356852001992E-05 |
| 10.12.2024 | 135.07 | 135.21 | 135.23 | 135.02 | 0,01K | -0.05% | -0.000517981352671254 |
| 09.12.2024 | 135.14 | 135.57 | 135.57 | 135.12 | 0,02K | -0.69% | -0.00690770135214599 |
| 06.12.2024 | 136.08 | 136.33 | 136.52 | 135.94 | 946,76K | -0.02% | -0.000220409962530315 |
| 05.12.2024 | 136.11 | 136.84 | 136.93 | 136.03 | 1,13M | -0.45% | -0.0045344840196005 |
| 04.12.2024 | 136.73 | 136.69 | 136.94 | 136.31 | 1,01M | -0.06% | -0.000584752576566132 |
| 03.12.2024 | 136.81 | 137.06 | 137.14 | 136.62 | 1,48M | -0.17% | -0.00167834208990068 |
| 02.12.2024 | 137.04 | 136.52 | 137.18 | 136.44 | 1,36M | +0.46% | 0.00461842973389044 |
| 29.11.2024 | 136.41 | 135.98 | 136.58 | 135.93 | 436,80K | +0.32% | 0.00323600794292857 |
| 28.11.2024 | 135.97 | 135.5 | 136.08 | 135.47 | 109,67K | +0.30% | 0.00302449100029505 |
| 27.11.2024 | 135.56 | 135.4 | 135.89 | 135.36 | 233,99K | +0.34% | 0.0034048852701703 |
| 26.11.2024 | 135.1 | 135.1 | 135.52 | 134.95 | 71,61K | -0.02% | -0.000222008436320589 |
| 25.11.2024 | 135.13 | 134.8 | 135.21 | 134.55 | 88,64K | +0.39% | 0.00393759286775632 |
| 22.11.2024 | 134.6 | 133.93 | 134.79 | 133.62 | 26,61K | +0.49% | 0.0048525569242255 |
| 21.11.2024 | 133.95 | 133.5 | 134.19 | 133.35 | 11,45K | +0.31% | 0.00314536059312505 |
| 20.11.2024 | 133.53 | 133.62 | 133.72 | 133.17 | 7,33K | -0.19% | -0.00194334404664019 |
| 19.11.2024 | 133.79 | 133.6 | 134.37 | 133.52 | 10,50K | +0.30% | 0.00299872554164484 |
| 18.11.2024 | 133.39 | 133.69 | 133.69 | 132.95 | 1,26K | -0.21% | -0.0020947108550909 |
| 15.11.2024 | 133.67 | 133.5 | 133.9 | 133.25 | 3,51K | +0.05% | 0.000523952095808332 |
| 14.11.2024 | 133.6 | 132.72 | 133.79 | 132.72 | 2,63K | +0.24% | 0.00240096038415361 |
| 13.11.2024 | 133.28 | 133.12 | 133.53 | 132.9 | 1,90K | -0.36% | -0.00358851674641141 |
| 12.11.2024 | 133.76 | 133.95 | 134.2 | 133.17 | 3,10K | -0.16% | -0.00164203612479474 |
| 11.11.2024 | 133.98 | 133.42 | 134 | 133.42 | 1,09K | +0.36% | 0.00359550561797745 |
| 08.11.2024 | 133.5 | 132.86 | 133.62 | 132.79 | 1,20K | +0.53% | 0.00527108433734931 |
| 07.11.2024 | 132.8 | 133.05 | 133.05 | 132.04 | 2,93K | -0.28% | -0.00277840354434164 |
| 06.11.2024 | 133.17 | 133.1 | 133.59 | 132 | 3,92K | +0.21% | 0.00210700579426594 |
| 05.11.2024 | 132.89 | 133.18 | 133.29 | 132.71 | 0,74K | -0.29% | -0.00292617046818739 |
| 04.11.2024 | 133.28 | 133.15 | 133.29 | 132.85 | 0,43K | +0.14% | 0.00135236664162289 |
| 01.11.2024 | 133.1 | 132.95 | 133.55 | 132.9 | 0,30K | -0.13% | -0.0012756059128087 |
| 31.10.2024 | 133.27 | 132.95 | 133.2 | 132.8 | 0,54K | -0.13% | -0.00134881978268998 |
| 30.10.2024 | 133.45 | 134.34 | 134.43 | 132.96 | 0,21K | -0.40% | -0.00403015150384372 |
| 29.10.2024 | 133.99 | 134.25 | 134.25 | 133.98 | 0,14K | -0.39% | -0.00386588357742905 |
| 28.10.2024 | 134.51 | 133.93 | 134.83 | 133.88 | 0,06K | -0.06% | -0.00059439780072823 |
| 25.10.2024 | 134.59 | 134.62 | 134.68 | 134.44 | 0,40K | -0.33% | -0.00325853514033917 |
| 24.10.2024 | 135.03 | 134.74 | 134.94 | 134.71 | 0,12K | +0.61% | 0.00610982788167792 |
| 23.10.2024 | 134.21 | 134.38 | 134.39 | 134.38 | 0,03K | -0.10% | -0.00104205433569026 |
| 22.10.2024 | 134.35 | 134.44 | 134.44 | 134.15 | 0,02K | -0.27% | -0.00267240739366056 |

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|------------|--------|--------|--------|--------|---------|---------------|-----------------------|
| 21.10.2024 | 134.71 | 135.69 | 135.69 | 134.65 | 0,01K | -0.76% | -0.00758803595108296 |
| 18.10.2024 | 135.74 | 135.22 | 135.66 | 135.2 | 0,04K | +0.23% | 0.00228900539023852 |
| 17.10.2024 | 135.43 | 135.53 | 135.57 | 135.35 | 0,04K | -0.27% | -0.00265115251491262 |
| 16.10.2024 | 135.79 | 135.77 | 135.79 | 135.64 | 0,05K | +0.35% | 0.00347324859592077 |
| 15.10.2024 | 135.32 | 133.33 | 133.79 | 133.3 | 0,05K | +0.50% | 0.00497586334942434 |
| 14.10.2024 | 134.65 | 134.81 | 134.81 | 134.81 | 0,00K | 0.00% | |
| 11.10.2024 | 134.65 | 135.11 | 135.11 | 134.61 | 0,02K | -0.14% | -0.00140907742509639 |
| 10.10.2024 | 134.84 | 134.81 | 134.86 | 134.74 | 0,02K | -0.09% | -0.000889152341434533 |
| 09.10.2024 | 134.96 | 134.85 | 134.85 | 134.76 | 0,01K | -0.03% | -0.000296296296296237 |
| 08.10.2024 | 135 | 135.22 | 135.35 | 134.89 | 0,04K | 0.00% | |
| 07.10.2024 | 135 | 135.58 | 135.6 | 135.02 | 0,01K | -0.36% | -0.00361650306295674 |
| 04.10.2024 | 135.49 | 136 | 136.13 | 135.49 | 0,06K | -0.65% | -0.00652588356063929 |
| 03.10.2024 | 136.38 | 136.67 | 136.67 | 136.15 | 0,01K | -0.28% | -0.00277859023106168 |
| 02.10.2024 | 136.76 | 137.28 | 137.28 | 136.87 | 0,05K | -0.50% | -0.00502000727537285 |
| 01.10.2024 | 137.45 | 136.8 | 137.72 | 136.74 | 0,14K | +0.72% | 0.0071810654356268 |
| 30.09.2024 | 136.47 | 136.47 | 136.55 | 136.08 | 0,02K | +0.09% | 0.000880088008800914 |
| 27.09.2024 | 136.35 | 136.38 | 136.38 | 136.38 | 0,00K | +0.24% | 0.002426113806793 |
| 26.09.2024 | 136.02 | 136.3 | 136.3 | 136.02 | 0,01K | +0.04% | 0.000367728175332878 |
| 25.09.2024 | 135.97 | 136.1 | 136.1 | 136.04 | 0,01K | -0.39% | -0.00388278388278389 |
| 24.09.2024 | 136.5 | 136 | 136.43 | 136 | 0,00K | +0.32% | 0.00323386741143611 |
| 23.09.2024 | 136.06 | 135.95 | 136.35 | 135.95 | 0,01K | +0.38% | 0.00383650582853778 |
| 20.09.2024 | 135.54 | 135.65 | 135.65 | 135.55 | 0,01K | -0.30% | -0.00301581463773444 |
| 19.09.2024 | 135.95 | 135.7 | 135.71 | 135.65 | 0,02K | +0.01% | 7.35618655288429E-05 |
| 18.09.2024 | 135.94 | 136.19 | 136.19 | 135.87 | 0,02K | -0.35% | -0.00351854566779057 |
| 17.09.2024 | 136.42 | 136.47 | 136.91 | 136.37 | 0,03K | -0.14% | -0.00139082058414484 |
| 16.09.2024 | 136.61 | 136.55 | 136.62 | 136.55 | 0,01K | +0.23% | 0.00234793455132454 |
| 13.09.2024 | 136.29 | 136.76 | 136.76 | 136.28 | 0,01K | -0.01% | -0.000146724378255522 |
| 12.09.2024 | 136.31 | 136.51 | 136.73 | 136.51 | 0,02K | -0.45% | -0.00445515629564699 |
| 11.09.2024 | 136.92 | 136.5 | 137 | 136.22 | 0,07K | +0.56% | 0.00558166862514682 |
| 10.09.2024 | 136.16 | 134.57 | 135.04 | 134.37 | 998,39K | -0.01% | -0.000146864444118154 |
| 09.09.2024 | 136.18 | 135.76 | 136.19 | 135.52 | 0,04K | +1.21% | 0.0121144555927164 |
| 06.09.2024 | 134.55 | 134.17 | 134.81 | 134.01 | 1,26M | +0.37% | 0.00372995151063036 |
| 05.09.2024 | 134.05 | 134.19 | 134.29 | 133.82 | 1,14M | -0.01% | -7.45934656123445E-05 |
| 04.09.2024 | 134.06 | 133.51 | 134.23 | 133.51 | 812,20K | +0.47% | 0.0047215768567788 |
| 03.09.2024 | 133.43 | 132.84 | 133.63 | 132.71 | 1,18M | +0.49% | 0.00489531555957227 |
| 02.09.2024 | 132.78 | 133.04 | 133.11 | 132.65 | 801,18K | -0.46% | -0.00464767616191907 |
| 30.08.2024 | 133.4 | 133.42 | 133.68 | 132.99 | 390,88K | +0.02% | 0.000224938142010956 |
| 29.08.2024 | 133.37 | 133.51 | 133.98 | 133.29 | 327,96K | -0.16% | -0.00164682985253386 |
| 28.08.2024 | 133.59 | 133.49 | 133.88 | 133.39 | 37,61K | +0.16% | 0.00164954637474694 |
| 27.08.2024 | 133.37 | 133.77 | 133.78 | 133.16 | 22,42K | -0.34% | -0.00336272604991772 |
| 26.08.2024 | 133.82 | 134.13 | 134.16 | 133.54 | 8,66K | -0.18% | -0.00179024317469796 |
| 23.08.2024 | 134.06 | 133.65 | 134.08 | 133.6 | 5,85K | +0.22% | 0.00224282296650726 |
| 22.08.2024 | 133.76 | 134.22 | 134.5 | 133.62 | 3,67K | -0.39% | -0.0039466825526845 |
| 21.08.2024 | 134.29 | 134.33 | 134.46 | 134 | 1,79K | +0.12% | 0.00119287258629685 |
| 20.08.2024 | 134.13 | 133.68 | 134.16 | 133.65 | 2,04K | +0.36% | 0.00359147025813685 |
| 19.08.2024 | 133.65 | 133.66 | 134.1 | 133.59 | 0,61K | -0.08% | -0.000822368421052521 |
| 16.08.2024 | 133.76 | 133.9 | 134.12 | 133.67 | 4,39K | +0.09% | 0.000897934750074862 |
| 15.08.2024 | 133.64 | 134.29 | 134.46 | 133.62 | 0,38K | -0.71% | -0.00713224368499263 |

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|------------|--------|--------|--------|--------|-------|---------------|-----------------------|
| 14.08.2024 | 134.6 | 134.4 | 134.61 | 134.08 | 0,91K | +0.03% | 0.000297265160523128 |
| 13.08.2024 | 134.56 | 134.1 | 134.57 | 133.98 | 5,23K | +0.49% | 0.00485400642222392 |
| 12.08.2024 | 133.91 | 134.03 | 134.17 | 133.79 | 0,54K | -0.13% | -0.00134238198225078 |
| 09.08.2024 | 134.09 | 133.81 | 134.15 | 133.72 | 0,62K | +0.35% | 0.00351743750935488 |
| 08.08.2024 | 133.62 | 133.9 | 134.13 | 133.5 | 0,39K | 0.00% | |
| 07.08.2024 | 133.62 | 134.1 | 134.23 | 133.45 | 1,53K | -0.68% | -0.00676429049282685 |
| 06.08.2024 | 134.53 | 134.25 | 134.89 | 134 | 0,73K | -0.11% | -0.00111375111375116 |
| 05.08.2024 | 134.68 | 135.21 | 135.66 | 134.4 | 5,41K | -0.02% | -0.00022270061613838 |
| 02.08.2024 | 134.71 | 134.13 | 134.93 | 133.93 | 4,73K | +0.56% | 0.00559868617497761 |
| 01.08.2024 | 133.96 | 133.48 | 133.99 | 133.4 | 0,22K | +0.55% | 0.00547924641597252 |
| 31.07.2024 | 133.23 | 132.94 | 133.5 | 132.94 | 0,08K | +0.26% | 0.00263395544852494 |
| 30.07.2024 | 132.88 | 132.69 | 132.98 | 132.6 | 0,15K | +0.15% | 0.00150738619234239 |
| 29.07.2024 | 132.68 | 132.25 | 132.85 | 132.25 | 0,13K | +0.33% | 0.00332728372655776 |
| 26.07.2024 | 132.24 | 131.9 | 132.39 | 131.66 | 0,03K | +0.06% | 0.000605326876513412 |
| 25.07.2024 | 132.16 | 131.86 | 132.39 | 131.86 | 3,16K | +0.20% | 0.00204716051254841 |
| 24.07.2024 | 131.89 | 132 | 132.13 | 131.68 | 0,13K | +0.04% | 0.000379247572815405 |
| 23.07.2024 | 131.84 | 131.34 | 131.9 | 131.28 | 0,26K | +0.28% | 0.00281433026545984 |
| 22.07.2024 | 131.47 | 131.73 | 131.73 | 131.2 | 0,02K | -0.13% | -0.00129140079003333 |
| 19.07.2024 | 131.64 | 131.78 | 132 | 131.48 | 0,02K | -0.40% | -0.00400998713777711 |
| 18.07.2024 | 132.17 | 132 | 132.25 | 131.8 | 0,07K | +0.11% | 0.00106036506854492 |
| 17.07.2024 | 132.03 | 132 | 132.08 | 131.8 | 0,02K | +0.08% | 0.000757977715455123 |
| 16.07.2024 | 131.93 | 131.65 | 131.94 | 131.65 | 0,48K | +0.32% | 0.00319367348490621 |
| 15.07.2024 | 131.51 | 131.51 | 131.6 | 131.48 | 0,01K | +0.18% | 0.00175198049969523 |
| 12.07.2024 | 131.28 | 131.17 | 131.3 | 130.95 | 0,03K | -0.25% | -0.00250740825165271 |
| 11.07.2024 | 131.61 | 130.74 | 131.52 | 130.62 | 0,06K | +0.58% | 0.00580817730225464 |
| 10.07.2024 | 130.85 | 130.54 | 130.98 | 130.54 | 0,04K | +0.33% | 0.00329704033123759 |
| 09.07.2024 | 130.42 | 130.82 | 130.82 | 130.34 | 0,07K | -0.31% | -0.00313383780478503 |
| 08.07.2024 | 130.83 | 130.76 | 130.9 | 130.76 | 0,00K | +0.14% | 0.00137772675086113 |
| 05.07.2024 | 130.65 | 130.22 | 130.65 | 130.05 | 0,04K | +0.40% | 0.00399600399600408 |
| 04.07.2024 | 130.13 | 130.28 | 130.28 | 130.14 | 0,01K | -0.29% | -0.00291165427936553 |
| 03.07.2024 | 130.51 | 130.06 | 130.14 | 129.8 | 0,02K | +0.44% | 0.00438663998768657 |
| 02.07.2024 | 129.94 | 130.07 | 130.15 | 129.85 | 0,01K | -0.02% | -0.000230822497499432 |
| 01.07.2024 | 129.97 | 130.72 | 130.8 | 129.9 | 0,07K | -0.92% | -0.00922396706815069 |
| 28.06.2024 | 131.18 | 131.2 | 131.2 | 131.05 | 0,01K | -0.32% | -0.00319148936170203 |
| 27.06.2024 | 131.6 | 131.4 | 131.4 | 131.32 | 0,00K | +0.02% | 0.00015199878400959 |
| 26.06.2024 | 131.58 | 131.86 | 131.86 | 131.7 | 0,01K | -0.39% | -0.00386100386100379 |
| 25.06.2024 | 132.09 | 131.98 | 132.3 | 131.98 | 1,34K | +0.12% | 0.00121276434472824 |
| 24.06.2024 | 131.93 | 132.25 | 132.25 | 131.81 | 0,00K | -0.11% | -0.00113567534827382 |
| 21.06.2024 | 132.08 | 132.04 | 132.58 | 132.04 | 0,01K | +0.23% | 0.002276521475186 |
| 20.06.2024 | 131.78 | 131.81 | 132.04 | 131.6 | 0,01K | -0.24% | -0.00242240726722175 |
| 19.06.2024 | 132.1 | 132.21 | 132.21 | 132.05 | 0,00K | -0.04% | -0.000378357926598648 |
| 18.06.2024 | 132.15 | 131.75 | 132.25 | 131.75 | 0,01K | +0.14% | 0.00136394635144356 |
| 17.06.2024 | 131.97 | 132.18 | 132.24 | 131.79 | 0,02K | -0.48% | -0.00475113122171942 |
| 14.06.2024 | 132.6 | 131.52 | 132.67 | 131.52 | 0,04K | +1.31% | 0.0131418092909535 |
| 13.06.2024 | 130.88 | 130.51 | 131.4 | 130.51 | 0,02K | +0.18% | 0.00183710961420705 |
| 12.06.2024 | 130.64 | 129.99 | 129.99 | 129.99 | 0,00K | +0.72% | 0.00724749421742481 |
| 11.06.2024 | 129.7 | 129.2 | 129.55 | 129.2 | 0,01K | +0.40% | 0.004025390927388 |
| 10.06.2024 | 129.18 | 129.34 | 129.34 | 128.87 | 0,01K | -0.46% | -0.00462320850670361 |

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|------------|--------|--------|--------|--------|---------|---------------|-----------------------|
| 07.06.2024 | 129.78 | 130.05 | 130.05 | 129.79 | 0,03K | -0.92% | -0.00916170407695823 |
| 06.06.2024 | 130.98 | 131.4 | 131.51 | 130.66 | 949,83K | -0.39% | -0.00387862194843729 |
| 05.06.2024 | 131.49 | 131.06 | 131.58 | 130.94 | 934,15K | +0.27% | 0.00266890346194924 |
| 04.06.2024 | 131.14 | 130.66 | 131.55 | 130.5 | 1,26M | +0.38% | 0.00382731169626454 |
| 03.06.2024 | 130.64 | 129.92 | 130.82 | 129.83 | 1,50M | +0.51% | 0.00507770426219416 |
| 31.05.2024 | 129.98 | 129.92 | 130.08 | 129.37 | 713,56K | +0.12% | 0.00115535700531447 |
| 30.05.2024 | 129.83 | 129.75 | 129.95 | 129.5 | 290,65K | +0.08% | 0.000770831727434077 |
| 29.05.2024 | 129.73 | 130.35 | 130.53 | 129.41 | 154,22K | -0.77% | -0.00772525623374651 |
| 28.05.2024 | 130.74 | 131.04 | 131.19 | 130.35 | 49,01K | -0.27% | -0.00274599542334085 |
| 27.05.2024 | 131.1 | 130.93 | 131.25 | 130.56 | 12,05K | +0.22% | 0.0022169558902224 |
| 24.05.2024 | 130.81 | 130.29 | 130.84 | 130.29 | 12,39K | +0.27% | 0.00268281465583316 |
| 23.05.2024 | 130.46 | 131.21 | 131.5 | 130.44 | 18,13K | -0.64% | -0.00639756283320642 |
| 22.05.2024 | 131.3 | 131.25 | 131.43 | 131.04 | 24,22K | -0.23% | -0.00227963525835853 |
| 21.05.2024 | 131.6 | 131.41 | 131.75 | 131.34 | 5,28K | +0.25% | 0.0025139026434066 |
| 20.05.2024 | 131.27 | 131.45 | 131.56 | 131.22 | 3,62K | -0.24% | -0.0023559811521508 |
| 17.05.2024 | 131.58 | 132.18 | 132.18 | 131.4 | 3,29K | -0.59% | -0.0058930190389846 |
| 16.05.2024 | 132.36 | 132.8 | 132.83 | 132.09 | 4,09K | -0.09% | -0.000905797101449095 |
| 15.05.2024 | 132.48 | 131.37 | 132.65 | 131.37 | 4,65K | +0.94% | 0.0094483389210605 |
| 14.05.2024 | 131.24 | 131.78 | 131.85 | 131.02 | 6,10K | -0.31% | -0.00311431826813518 |
| 13.05.2024 | 131.65 | 131.67 | 131.87 | 131.46 | 2,50K | +0.12% | 0.00121682257205869 |
| 10.05.2024 | 131.49 | 131.98 | 132.14 | 131.45 | 1,61K | -0.21% | -0.00212491462396601 |
| 09.05.2024 | 131.77 | 131.86 | 131.87 | 131.67 | 2,76K | -0.27% | -0.00272458941951098 |
| 08.05.2024 | 132.13 | 132.37 | 132.45 | 132.03 | 2,96K | -0.35% | -0.0035444947209653 |
| 07.05.2024 | 132.6 | 132.35 | 132.61 | 132.2 | 3,48K | +0.48% | 0.00484995453167616 |
| 06.05.2024 | 131.96 | 131.75 | 132.34 | 131.75 | 0,17K | +0.27% | 0.0027355623100305 |
| 03.05.2024 | 131.6 | 131.31 | 132.28 | 131.31 | 0,48K | +0.38% | 0.003813882532418 |
| 02.05.2024 | 131.1 | 131.39 | 131.4 | 130.87 | 1,16K | +0.89% | 0.00892719716792363 |
| 01.05.2024 | 129.94 | 129.94 | 129.94 | 129.94 | | -0.64% | -0.00642300045878577 |
| 30.04.2024 | 130.78 | 131.59 | 131.59 | 130.53 | 0,26K | -0.60% | -0.00600440829976432 |
| 29.04.2024 | 131.57 | 130.98 | 131.59 | 130.92 | 2,41K | +0.42% | 0.00419783239200109 |
| 26.04.2024 | 131.02 | 130.52 | 130.98 | 130.52 | 0,48K | +0.43% | 0.00429250344933315 |
| 25.04.2024 | 130.46 | 130.88 | 130.88 | 130.25 | 0,83K | -0.34% | -0.00336134453781511 |
| 24.04.2024 | 130.9 | 131.53 | 131.53 | 130.78 | 0,85K | -0.69% | -0.0069038767923526 |
| 23.04.2024 | 131.81 | 131.95 | 132.2 | 131.6 | 0,42K | -0.09% | -0.000909573258546233 |
| 22.04.2024 | 131.93 | 131.54 | 131.96 | 131.3 | 0,57K | +0.14% | 0.00136622390891846 |
| 19.04.2024 | 131.75 | 132.57 | 132.62 | 131.69 | 0,39K | -0.14% | -0.00136435988781935 |
| 18.04.2024 | 131.93 | 132.32 | 132.32 | 131.76 | 0,01K | -0.17% | -0.00174031476997571 |
| 17.04.2024 | 132.16 | 132.05 | 132.32 | 131.8 | 0,02K | +0.17% | 0.0017433487455468 |
| 16.04.2024 | 131.93 | 132.41 | 132.41 | 131.76 | 0,02K | -0.45% | -0.00452727684297891 |
| 15.04.2024 | 132.53 | 132.81 | 132.81 | 132.47 | 0,29K | -0.67% | -0.00667066406835547 |
| 12.04.2024 | 133.42 | 132.81 | 133.71 | 132.81 | 0,05K | +1.02% | 0.0102218520481562 |
| 11.04.2024 | 132.07 | 132.25 | 132.39 | 132.05 | 0,27K | -0.44% | -0.00444745967134029 |
| 10.04.2024 | 132.66 | 133.31 | 133.31 | 132.32 | 0,04K | -0.48% | -0.00480120030007513 |
| 09.04.2024 | 133.3 | 132.6 | 133.21 | 132.56 | 0,01K | +0.54% | 0.00543068336098958 |
| 08.04.2024 | 132.58 | 132.7 | 132.7 | 132.42 | 0,01K | -0.29% | -0.00285800240673883 |
| 05.04.2024 | 132.96 | 133.38 | 133.38 | 132.98 | 0,14K | -0.40% | -0.00404494382022466 |
| 04.04.2024 | 133.5 | 133.2 | 133.7 | 133.2 | 0,01K | +0.41% | 0.00413689356901099 |
| 03.04.2024 | 132.95 | 133.2 | 133.2 | 133.2 | 0,01K | +0.04% | 0.000376222723852392 |

| | | | | | | | |
|------------|--------|--------|--------|--------|---------|---------------|-----------------------|
| 02.04.2024 | 132.9 | 133.64 | 133.64 | 132.7 | 0,03K | -0.29% | -0.00292595093405347 |
| 29.03.2024 | 133.29 | 133.29 | 133.29 | 133.29 | | -0.64% | -0.0064107342527023 |
| 28.03.2024 | 134.15 | 134 | 134.15 | 133.83 | 0,02K | +0.03% | 0.000298262620237059 |
| 27.03.2024 | 134.11 | 133.74 | 134.2 | 133.74 | 0,01K | +0.46% | 0.00456928838951321 |
| 26.03.2024 | 133.5 | 133.4 | 133.62 | 133.4 | 0,01K | +0.16% | 0.00157551204141352 |
| 25.03.2024 | 133.29 | 133.95 | 133.98 | 133.28 | 0,28K | -0.46% | -0.00455563853622116 |
| 22.03.2024 | 133.9 | 133.87 | 133.87 | 133.87 | 0,00K | +0.62% | 0.0061617072437631 |
| 21.03.2024 | 133.08 | 132.03 | 132.54 | 131.83 | 0,00K | +0.26% | 0.00256139822208832 |
| 20.03.2024 | 132.74 | 131.85 | 132.24 | 131.65 | 0,01K | +0.02% | 0.000226056815612999 |
| 19.03.2024 | 132.71 | 132.73 | 132.73 | 132.54 | 0,00K | +0.17% | 0.0016605026794475 |
| 18.03.2024 | 132.49 | 132.51 | 132.51 | 132.5 | 0,00K | -0.14% | -0.00143201688272534 |
| 15.03.2024 | 132.68 | 132.74 | 132.79 | 132.74 | 0,03K | -0.14% | -0.00142996914277111 |
| 14.03.2024 | 132.87 | 133.43 | 133.43 | 132.93 | 0,03K | -0.52% | -0.00516621743036836 |
| 13.03.2024 | 133.56 | 133.18 | 133.47 | 132.58 | 0,00K | -0.28% | -0.00283709123488126 |
| 12.03.2024 | 133.94 | 133.4 | 133.69 | 132.95 | 0,00K | -0.20% | -0.00201177259518672 |
| 11.03.2024 | 134.21 | 134.64 | 134.77 | 134.06 | 0,05K | -0.23% | -0.00230449003865598 |
| 08.03.2024 | 134.52 | 134.64 | 134.64 | 134.52 | 0,06K | +0.88% | 0.00884955752212394 |
| 07.03.2024 | 133.34 | 133.1 | 133.96 | 132.86 | 1,29M | +0.20% | 0.00195371205290044 |
| 06.03.2024 | 133.08 | 133.18 | 133.32 | 132.76 | 1,16M | -0.16% | -0.00157551204141331 |
| 05.03.2024 | 133.29 | 132.42 | 133.52 | 132.36 | 1,06M | +0.70% | 0.00695021530558274 |
| 04.03.2024 | 132.37 | 132.36 | 132.56 | 132.08 | 960,49K | -0.01% | -7.55401117992968E-05 |
| 01.03.2024 | 132.38 | 132.12 | 132.49 | 131.6 | 631,61K | +0.09% | 0.000907303795554246 |
| 29.02.2024 | 132.26 | 131.9 | 132.41 | 131.23 | 234,73K | +0.33% | 0.00333788499468971 |
| 28.02.2024 | 131.82 | 131.73 | 132.07 | 131.7 | 62,55K | -0.05% | -0.000454959053685186 |
| 27.02.2024 | 131.88 | 132.08 | 132.33 | 131.65 | 41,24K | -0.20% | -0.00204313280363231 |
| 26.02.2024 | 132.15 | 133 | 133.2 | 131.95 | 19,09K | -0.48% | -0.00481964003313492 |
| 23.02.2024 | 132.79 | 132.05 | 132.98 | 131.7 | 9,89K | +0.45% | 0.00446293494704995 |
| 22.02.2024 | 132.2 | 131.92 | 132.41 | 131.41 | 13,36K | -0.01% | -7.56372437789829E-05 |
| 21.02.2024 | 132.21 | 132.68 | 132.91 | 131.91 | 10,02K | -0.50% | -0.00504214328717631 |
| 20.02.2024 | 132.88 | 132.45 | 133 | 132.45 | 5,62K | +0.31% | 0.00309504038650258 |
| 19.02.2024 | 132.47 | 132.69 | 132.72 | 132.4 | 0,72K | -0.08% | -0.000829687735706846 |
| 16.02.2024 | 132.58 | 132.9 | 132.92 | 132.37 | 2,62K | -0.48% | -0.00480408347095021 |
| 15.02.2024 | 133.22 | 133.62 | 133.74 | 132.98 | 1,60K | +0.03% | 0.000300345397206728 |
| 14.02.2024 | 133.18 | 132.45 | 133.44 | 132.45 | 2,41K | +0.35% | 0.00346594333936112 |
| 13.02.2024 | 132.72 | 133.13 | 133.41 | 132.44 | 3,71K | -0.25% | -0.00248027057497191 |
| 12.02.2024 | 133.05 | 133.08 | 133.4 | 133.03 | 0,63K | +0.11% | 0.0011286681715576 |
| 09.02.2024 | 132.9 | 133.09 | 133.43 | 132.81 | 2,18K | -0.23% | -0.00232715261616997 |
| 08.02.2024 | 133.21 | 133.61 | 133.84 | 132.95 | 1,09K | -0.51% | -0.00507879602658883 |
| 07.02.2024 | 133.89 | 134.06 | 134.18 | 133.59 | 1,68K | +0.04% | 0.000448329970858356 |
| 06.02.2024 | 133.83 | 133.9 | 134.12 | 133.39 | 3,05K | +0.25% | 0.00247191011235964 |
| 05.02.2024 | 133.5 | 134.35 | 134.48 | 133.48 | 0,90K | -0.76% | -0.00758251561106163 |
| 02.02.2024 | 134.52 | 135.35 | 135.44 | 134.43 | 3,20K | -0.96% | -0.00964440845174116 |
| 01.02.2024 | 135.83 | 135.37 | 135.81 | 134.86 | 1,23K | +0.29% | 0.00287950383933856 |
| 31.01.2024 | 135.44 | 134.63 | 135.53 | 134.57 | 2,21K | +0.98% | 0.00984193259767367 |
| 30.01.2024 | 134.12 | 134.83 | 135.01 | 133.98 | 0,10K | -0.34% | -0.00341804131371681 |
| 29.01.2024 | 134.58 | 134.12 | 134.8 | 134.12 | 1,23K | +0.52% | 0.00515348420345079 |
| 26.01.2024 | 133.89 | 134.4 | 134.55 | 133.82 | 0,70K | -0.18% | -0.00178930887944538 |

| | | | | | | | |
|------------|--------|--------|--------|--------|-------|---------------|-----------------------|
| 25.01.2024 | 134.13 | 133.26 | 134.16 | 133.25 | 1,13K | +0.46% | 0.00464384690285375 |
| 24.01.2024 | 133.51 | 133.56 | 134 | 133.29 | 1,67K | -0.01% | -0.000149779075863179 |
| 23.01.2024 | 133.53 | 133.81 | 133.91 | 133.49 | 0,02K | -0.42% | -0.00417629950033561 |
| 22.01.2024 | 134.09 | 133.88 | 134.25 | 133.88 | 0,29K | +0.35% | 0.00351743750935488 |
| 19.01.2024 | 133.62 | 133.53 | 133.87 | 133.53 | 0,12K | +0.04% | 0.000449236298292919 |
| 18.01.2024 | 133.56 | 133.81 | 134 | 133.38 | 0,92K | -0.20% | -0.00201748486886356 |
| 17.01.2024 | 133.83 | 134 | 134.4 | 133.8 | 1,03K | -0.53% | -0.00527724096922833 |
| 16.01.2024 | 134.54 | 134.84 | 134.9 | 134.2 | 0,02K | -0.22% | -0.00215085663428036 |
| 15.01.2024 | 134.83 | 135.13 | 135.13 | 134.64 | 0,02K | -0.30% | -0.0030316474415853 |
| 12.01.2024 | 135.24 | 135.26 | 135.47 | 134.98 | 0,11K | +0.40% | 0.00400890868596897 |
| 11.01.2024 | 134.7 | 134.72 | 135.1 | 134.55 | 0,03K | -0.01% | -7.42335387129339E-05 |
| 10.01.2024 | 134.71 | 135.14 | 135.17 | 134.46 | 0,02K | -0.22% | -0.00222205762536096 |
| 09.01.2024 | 135.01 | 134.9 | 135.1 | 134.84 | 0,01K | -0.44% | -0.00435103244837761 |
| 08.01.2024 | 135.6 | 135.35 | 135.63 | 134.87 | 0,01K | +0.01% | 0.000147514382652174 |
| 05.01.2024 | 135.58 | 135.51 | 135.54 | 134.99 | 0,01K | -0.21% | -0.00206094509053438 |
| 04.01.2024 | 135.86 | 136.84 | 136.84 | 135.5 | 0,21K | -0.64% | -0.00643557115694015 |
| 03.01.2024 | 136.74 | 136.08 | 136.84 | 136.08 | 0,12K | +0.23% | 0.00227222751594226 |
| 02.01.2024 | 136.43 | 136.5 | 136.5 | 135.83 | 0,03K | -0.24% | |

(REND + MITJANA)⁴

| |
|------------------|
| 8.7555445496E-11 |
| 8.4307240546E-10 |
| 7.7815575186E-11 |
| 1.1360878612E-11 |
| 6.9148125205E-10 |
| 5.5615401264E-12 |
| 7.4417200385E-13 |
| 5.3347011949E-13 |
| 7.1682104362E-10 |
| 4.0415296184E-10 |
| 1.1599388817E-18 |
| 2.8569844834E-14 |
| 2.1392042508E-09 |
| 1.6628322594E-16 |
| 3.8431338959E-10 |
| 5.2160891803E-14 |
| 6.0988085732E-12 |
| 4.9855302598E-10 |
| 1.2487441581E-10 |
| 9.6144260327E-11 |
| 1.5208583839E-10 |
| 1.758454943E-16 |
| 2.6756930727E-10 |
| 6.0495097187E-10 |
| 1.1187073055E-10 |
| 1.1375090268E-11 |
| 9.3018709785E-11 |
| 1.5614961811E-11 |
| 1.5833683706E-13 |
| 3.9553157953E-11 |
| 1.4694238521E-10 |
| 5.5544397614E-12 |
| 1.878945294E-10 |
| 8.364945011E-10 |
| 5.0939338296E-11 |
| 2.4021493632E-11 |
| 6.3179423947E-11 |
| 4.5340174048E-12 |
| 1.8659078036E-12 |
| 2.3792458249E-12 |
| 2.3692190651E-10 |
| 1.9966559357E-10 |
| 5.6501057174E-14 |
| 9.8666427588E-11 |
| 1.4936003922E-09 |
| 7.6492643326E-13 |
| 4.3323607621E-11 |

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|---------------|
| CLASSE |
| -20% |
| |
| 20% |

| |
|------------------------------|
| MITJANA |
| MEDIANA |
| MAXIM |
| MINIM |
| RECORREGUT |
| VARIANÇA |
| DESVIACIO TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALITZA |
| COEF D'ASSIMETRIA |
| CURTOSI |
| CONTRAST JARQUE-BER |
| INV CHIQUADRAT |
| VAR |
| VAR (€) |

| |
|------------------|
| 3.132427307E-09 |
| 3.2949201504E-11 |
| 4.1905656107E-11 |
| 1.6427883526E-10 |
| 6.6739606715E-10 |
| 1.3036287308E-16 |
| 2.8756946514E-12 |
| 3.7453369611E-13 |
| 1.287991492E-15 |
| 1.3036287308E-16 |
| 1.5172426806E-10 |
| 1.6977653123E-09 |
| 5.095357826E-11 |
| 5.826952159E-10 |
| 2.8210716542E-09 |
| 9.4878004564E-13 |
| 4.1164068445E-11 |
| 5.0727518294E-14 |
| 2.0328060518E-10 |
| 1.2455487998E-10 |
| 2.4180505853E-10 |
| 7.1606379717E-11 |
| 1.0594816705E-15 |
| 1.3548131019E-10 |
| 2.7177884672E-12 |
| 3.6312483762E-11 |
| 2.5271214656E-18 |
| 3.5750254807E-10 |
| 1.0471232098E-09 |
| 2.5628199443E-18 |
| 2.2308527388E-08 |
| 2.1670996605E-10 |
| 1.0830679637E-18 |
| 5.4353042923E-10 |
| 6.260852023E-10 |
| 4.2514609109E-10 |
| 1.2118850208E-14 |
| 5.6241420758E-12 |
| 9.5168565655E-12 |
| 1.1237497821E-10 |
| 8.0304282299E-12 |
| 3.0481211146E-11 |
| 2.1739401879E-10 |
| 2.8536930209E-12 |
| 1.8707669051E-10 |
| 2.6210477997E-13 |
| 1.0192907332E-12 |
| 2.4360254156E-09 |

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| 2.6670756379E-14 |
| 6.0565852351E-10 |
| 2.3302962692E-12 |
| 1.725409619E-10 |
| 1.3036287308E-16 |
| 1.9643925436E-09 |
| 1.0278775049E-12 |
| 1.8011169326E-16 |
| 1.0597096727E-09 |
| 9.7372153955E-10 |
| 5.6430644698E-11 |
| 6.790035046E-12 |
| 1.3908187848E-10 |
| 2.5725264505E-13 |
| 2.1527522061E-11 |
| 5.5834943332E-14 |
| 7.2817451264E-11 |
| 1.9688367711E-12 |
| 2.3208854954E-10 |
| 1.8561311195E-12 |
| 5.5940364651E-13 |
| 1.1866786158E-10 |
| 1.1938846478E-11 |
| 3.3208289878E-11 |
| 1.2241313562E-09 |
| 1.3424681448E-10 |
| 8.3953868882E-11 |
| 4.8575204486E-12 |
| 2.8336467142E-10 |
| 6.1888238119E-11 |
| 4.0769599075E-10 |
| 2.3618553284E-16 |
| 6.909227157E-09 |
| 9.0534821775E-11 |
| 4.4895990515E-15 |
| 1.9863084162E-10 |
| 3.0324428934E-12 |
| 1.1203683366E-12 |
| 3.2267807066E-11 |
| 2.8748787264E-11 |
| 5.4338555077E-15 |
| 4.6796592444E-12 |
| 4.6523540032E-10 |
| 3.0809750189E-08 |
| 1.428078303E-11 |
| 2.9253418417E-09 |
| 2.9157076922E-10 |
| 4.1605650293E-10 |

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| 6.7224126032E-09 |
| 2.0238584001E-10 |
| 5.9364348949E-11 |
| 2.3955781254E-10 |
| 7.2251496575E-10 |
| 2.53820719E-12 |
| 5.9341022132E-13 |
| 3.3686487076E-09 |
| 4.8512206287E-11 |
| 2.9160969545E-11 |
| 6.056338467E-11 |
| 1.5660242882E-09 |
| 2.2287660276E-11 |
| 4.7174402241E-11 |
| 2.5589186048E-11 |
| 1.1208911435E-09 |
| 4.074409135E-13 |
| 8.3360005924E-09 |
| 8.1809216245E-11 |
| 3.0699180713E-12 |
| 1.6585834301E-11 |
| 4.6957327664E-11 |
| 1.3965041388E-10 |
| 6.0368220719E-10 |
| 6.5275528937E-11 |
| 2.3630362627E-10 |
| 6.6608564652E-09 |
| 1.5915083567E-09 |
| 1.2097286321E-09 |
| 3.4337276131E-10 |
| 3.7459051479E-10 |
| 1.121843705E-10 |
| 2.1343962529E-09 |
| 4.1519867284E-13 |
| 4.708712757E-12 |
| 2.5005807961E-12 |
| 7.1192695665E-12 |
| 1.1718627571E-11 |
| 3.818171932E-10 |
| 1.8561974552E-09 |
| 1.1381082605E-08 |
| 3.5497810027E-10 |
| 4.8562463132E-10 |
| 9.4030013761E-10 |
| 5.7287046399E-11 |
| 2.4051530598E-10 |
| 3.2433807844E-10 |
| 5.4458090742E-14 |

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| 6.3159747664E-11 |
| 1.5791812371E-09 |
| 2.6935051675E-14 |
| 4.7813517832E-10 |
| 8.0109014465E-12 |
| 3.9171094921E-10 |
| 1.5440854693E-09 |
| 5.068823279E-11 |
| 1.2283119065E-14 |
| 9.7565497914E-12 |
| 3.0837402887E-12 |
| 3.0647235361E-12 |
| 6.5521480767E-10 |
| 5.5565074583E-11 |
| 1.3167587164E-11 |
| 2.3325100388E-11 |
| 6.4348147703E-09 |
| 1.8027922607E-11 |
| 4.6524682767E-12 |
| 2.4802610357E-09 |
| 9.6142751218E-19 |
| 1.0578428682E-12 |
| 1.4080724442E-10 |
| 1.4683992074E-14 |
| 1.4056334177E-11 |
| 4.9329998188E-10 |
| 4.3609826231E-10 |
| 9.4955374885E-19 |
| 5.932676356E-10 |
| 1.0510604719E-10 |
| 2.729952032E-13 |
| 4.8681877335E-10 |
| 2.7493250424E-14 |
| 1.6294207917E-10 |
| 3.1731916201E-11 |
| 2.3302438808E-12 |
| 2.4302222706E-11 |
| 6.1108893825E-10 |
| 9.5004877382E-14 |
| 4.4222784942E-11 |
| 3.1231919042E-09 |
| 8.2746231711E-09 |
| 7.9536605701E-11 |
| 9.7967124799E-09 |
| 1.2020853246E-10 |
| 7.6569265589E-10 |
| 8.0126152495E-12 |

| |
|------------------|
| 5.0936669799E-10 |
| 3.3952145348E-18 |
| 2.7424655977E-10 |
| 1.725409619E-10 |
| 9.562677353E-14 |
| 1.3326241387E-11 |
| 7.1464833122E-10 |
| 1.7455258563E-11 |
| 7.3178101385E-11 |
| 2.8694658646E-10 |
| 1.1322184061E-18 |
| 2.001747036E-11 |
| 3.2447016889E-10 |
| 4.1864763677E-15 |
| 1.4580745255E-11 |
| 1.604216216E-09 |
| 3.2035896164E-11 |
| |

| FREQ ABS | FREQ ABS ACUMUL | FREQ RELATI | FREQ RELATIVA ACUMULADA |
|----------|-----------------|--------------|-------------------------|
| 135 | 135 | 0.5294117647 | 0.529411764705882 |
| 119 | 254 | 0.4666666667 | 0.996078431372549 |
| | 255 | | 1 |

| |
|-----------------|
| -0.01069% |
| - 0.00007564 |
| 0.013141809291 |
| -0.009644408452 |
| 0.022786217743 |
| 0.000015536 |
| 0.003941582237 |
| 36.88774536148 |
| 0.062942020824 |
| 0.266025722791 |
| 0.165273918873 |
| 3.297938470681 |
| 5.991464547108 |
| -0.006590179272 |
| 6.59018 € |

Com B es més petita que INV.CHIQUADR, acceptem hipotesi nula, segueix una dist

-2.88%

| Fecha | Último | RED | ÚLTIMO |
|------------|--------|----------|--------|
| 30.12.2024 | 23,620 | 0.00127 | 2.362 |
| 27.12.2024 | 23,590 | -0.01293 | 2.359 |
| 23.12.2024 | 23,895 | 0.028876 | 2.3895 |
| 20.12.2024 | 23,205 | -0.0028 | 2.3205 |
| 19.12.2024 | 23,270 | 0.017404 | 2.327 |
| 18.12.2024 | 22,865 | -0.00787 | 2.2865 |
| 17.12.2024 | 23,045 | 0.027555 | 2.3045 |
| 16.12.2024 | 22,410 | 0.004239 | 2.241 |
| 13.12.2024 | 22,315 | -0.00515 | 2.2315 |
| 12.12.2024 | 22,430 | -0.00178 | 2.243 |
| 11.12.2024 | 22,470 | 0.025812 | 2.247 |
| 10.12.2024 | 21,890 | 0.026725 | 2.189 |
| 09.12.2024 | 21,305 | 0.006806 | 2.1305 |
| 06.12.2024 | 21,160 | -0.00071 | 2.116 |
| 05.12.2024 | 21,175 | 0.002361 | 2.1175 |
| 04.12.2024 | 21,125 | 0.004024 | 2.1125 |
| 03.12.2024 | 21,040 | 0.024952 | 2.104 |
| 02.12.2024 | 20,515 | -0.00171 | 2.0515 |
| 29.11.2024 | 20,550 | 0.010462 | 2.055 |
| 28.11.2024 | 20,335 | -0.02631 | 2.0335 |
| 27.11.2024 | 20,870 | -0.01797 | 2.087 |
| 26.11.2024 | 21,245 | -0.01953 | 2.1245 |
| 25.11.2024 | 21,660 | -0.01477 | 2.166 |
| 22.11.2024 | 21,980 | -0.0025 | 2.198 |
| 21.11.2024 | 22,035 | -0.02201 | 2.2035 |
| 20.11.2024 | 22,520 | -0.02642 | 2.252 |
| 19.11.2024 | 23,115 | -0.01276 | 2.3115 |
| 18.11.2024 | 23,410 | 0.001495 | 2.341 |
| 15.11.2024 | 23,375 | -0.01455 | 2.3375 |
| 14.11.2024 | 23,715 | 0.009699 | 2.3715 |
| 13.11.2024 | 23,485 | 0.002768 | 2.3485 |
| 12.11.2024 | 23,420 | -0.01857 | 2.342 |
| 11.11.2024 | 23,855 | 0.013834 | 2.3855 |
| 08.11.2024 | 23,525 | 0.012115 | 2.3525 |
| 07.11.2024 | 23,240 | -0.01721 | 2.324 |
| 06.11.2024 | 23,640 | -0.03173 | 2.364 |
| 05.11.2024 | 24,390 | 0.01927 | 2.439 |
| 04.11.2024 | 23,920 | -0.01589 | 2.392 |
| 01.11.2024 | 24,300 | 0.016872 | 2.43 |
| 31.10.2024 | 23,890 | -0.00607 | 2.389 |
| 30.10.2024 | 24,035 | 0.004993 | 2.4035 |
| 29.10.2024 | 23,915 | 0.007527 | 2.3915 |
| 28.10.2024 | 23,735 | 0.017274 | 2.3735 |
| 25.10.2024 | 23,325 | 0.020364 | 2.3325 |
| 24.10.2024 | 22,850 | -0.00263 | 2.285 |
| 23.10.2024 | 22,910 | 0.014841 | 2.291 |
| 22.10.2024 | 22,570 | -0.02481 | 2.257 |
| 21.10.2024 | 23,130 | -0.00173 | 2.313 |

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| MITJANA |
| MEDIANA |
| MÀXIM |
| MÍNIM |
| RECORREGUT |
| VARIÀNCIA |
| DESVIACIÓ TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALIT |
| COEF D'ASSIMETRIA |

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|------------|--------|----------|-------|
| 18.10.2024 | 23,170 | 0.016832 | 2.317 |
| 17.10.2024 | 22,780 | 0.041703 | 2.278 |
| 16.10.2024 | 21,830 | -0.0087 | 2.183 |
| 15.10.2024 | 22,020 | 0.011353 | 2.202 |
| 14.10.2024 | 21,770 | -0.02343 | 2.177 |
| 11.10.2024 | 22,280 | -0.02154 | 2.228 |
| 10.10.2024 | 22,760 | 0.000879 | 2.276 |
| 09.10.2024 | 22,740 | 0.009235 | 2.274 |
| 08.10.2024 | 22,530 | -0.00178 | 2.253 |
| 07.10.2024 | 22,570 | 0.004431 | 2.257 |
| 04.10.2024 | 22,470 | -0.00134 | 2.247 |
| 03.10.2024 | 22,500 | 0.016889 | 2.25 |
| 02.10.2024 | 22,120 | 0.033906 | 2.212 |
| 01.10.2024 | 21,370 | 0.016378 | 2.137 |
| 30.09.2024 | 21,020 | 0.028069 | 2.102 |
| 27.09.2024 | 20,430 | -0.04356 | 2.043 |
| 26.09.2024 | 21,320 | -0.00375 | 2.132 |
| 25.09.2024 | 21,400 | -0.01495 | 2.14 |
| 24.09.2024 | 21,720 | -0.00783 | 2.172 |
| 23.09.2024 | 21,890 | 0.024212 | 2.189 |
| 20.09.2024 | 21,360 | -0.01826 | 2.136 |
| 19.09.2024 | 21,750 | -0.02115 | 2.175 |
| 18.09.2024 | 22,210 | 0.013057 | 2.221 |
| 17.09.2024 | 21,920 | 0.000456 | 2.192 |
| 16.09.2024 | 21,910 | 0.020082 | 2.191 |
| 13.09.2024 | 21,470 | 0.012576 | 2.147 |
| 12.09.2024 | 21,200 | -0.01368 | 2.12 |
| 11.09.2024 | 21,490 | -0.00326 | 2.149 |
| 10.09.2024 | 21,560 | 0.026902 | 2.156 |
| 09.09.2024 | 20,980 | -0.02383 | 2.098 |
| 06.09.2024 | 21,480 | -0.01071 | 2.148 |
| 05.09.2024 | 21,710 | | 2.171 |
| 04.09.2024 | 21,710 | -0.01704 | 2.171 |
| 03.09.2024 | 22,080 | -0.00408 | 2.208 |
| 02.09.2024 | 22,170 | -0.02571 | 2.217 |
| 30.08.2024 | 22,740 | -0.02814 | 2.274 |
| 29.08.2024 | 23,380 | 0.02053 | 2.338 |
| 28.08.2024 | 22,900 | 0.003493 | 2.29 |
| 27.08.2024 | 22,820 | 0.01227 | 2.282 |
| 26.08.2024 | 22,540 | -0.01109 | 2.254 |
| 23.08.2024 | 22,790 | 0.013164 | 2.279 |
| 22.08.2024 | 22,490 | 0.010671 | 2.249 |
| 21.08.2024 | 22,250 | -0.00899 | 2.225 |
| 20.08.2024 | 22,450 | 0.019599 | 2.245 |
| 19.08.2024 | 22,010 | -0.00636 | 2.201 |
| 16.08.2024 | 22,150 | -0.01761 | 2.215 |
| 15.08.2024 | 22,540 | -0.00177 | 2.254 |
| 14.08.2024 | 22,580 | -0.00177 | 2.258 |
| 13.08.2024 | 22,620 | 0.037577 | 2.262 |

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|------------|--------|----------|-------|
| 12.08.2024 | 21,770 | -0.0023 | 2.177 |
| 09.08.2024 | 21,820 | -0.01971 | 2.182 |
| 08.08.2024 | 22,250 | 0.001348 | 2.225 |
| 07.08.2024 | 22,220 | -0.02115 | 2.222 |
| 06.08.2024 | 22,690 | -0.00132 | 2.269 |
| 05.08.2024 | 22,720 | 0.040053 | 2.272 |
| 02.08.2024 | 21,810 | -0.00046 | 2.181 |
| 01.08.2024 | 21,820 | 0.010082 | 2.182 |
| 31.07.2024 | 21,600 | -0.04074 | 2.16 |
| 30.07.2024 | 22,480 | -0.02402 | 2.248 |
| 29.07.2024 | 23,020 | -0.01738 | 2.302 |
| 26.07.2024 | 23,420 | -0.00769 | 2.342 |
| 25.07.2024 | 23,600 | -0.01822 | 2.36 |
| 24.07.2024 | 24,030 | -0.00416 | 2.403 |
| 23.07.2024 | 24,130 | -0.01202 | 2.413 |
| 22.07.2024 | 24,420 | 0.001638 | 2.442 |
| 19.07.2024 | 24,380 | -0.01846 | 2.438 |
| 18.07.2024 | 24,830 | 0.008055 | 2.483 |
| 17.07.2024 | 24,630 | 0.021112 | 2.463 |
| 16.07.2024 | 24,110 | -0.00415 | 2.411 |
| 15.07.2024 | 24,210 | -0.00454 | 2.421 |
| 12.07.2024 | 24,320 | -0.01563 | 2.432 |
| 11.07.2024 | 24,700 | -0.01053 | 2.47 |
| 10.07.2024 | 24,960 | 0.010016 | 2.496 |
| 09.07.2024 | 24,710 | -0.02631 | 2.471 |
| 08.07.2024 | 25,360 | -0.00946 | 2.536 |
| 05.07.2024 | 25,600 | 0.016016 | 2.56 |
| 04.07.2024 | 25,190 | -0.00516 | 2.519 |
| 03.07.2024 | 25,320 | -0.02093 | 2.532 |
| 02.07.2024 | 25,850 | 0.010058 | 2.585 |
| 01.07.2024 | 25,590 | -0.01954 | 2.559 |
| 28.06.2024 | 26,090 | 0.001533 | 2.609 |
| 27.06.2024 | 26,050 | 0.046065 | 2.605 |
| 26.06.2024 | 24,850 | 0.012877 | 2.485 |
| 25.06.2024 | 24,530 | 0.000815 | 2.453 |
| 24.06.2024 | 24,510 | 0.01632 | 2.451 |
| 21.06.2024 | 24,110 | -0.00415 | 2.411 |
| 20.06.2024 | 24,210 | 0.004957 | 2.421 |
| 19.06.2024 | 24,090 | -0.00581 | 2.409 |
| 18.06.2024 | 24,230 | 0.008254 | 2.423 |
| 17.06.2024 | 24,030 | 0.004578 | 2.403 |
| 14.06.2024 | 23,920 | -0.00878 | 2.392 |
| 13.06.2024 | 24,130 | 0.023208 | 2.413 |
| 12.06.2024 | 23,570 | -0.0577 | 2.357 |
| 11.06.2024 | 24,930 | -0.01685 | 2.493 |
| 10.06.2024 | 25,350 | -0.03432 | 2.535 |
| 07.06.2024 | 26,220 | -0.01983 | 2.622 |
| 06.06.2024 | 26,740 | 0.02169 | 2.674 |
| 05.06.2024 | 26,160 | 0.02867 | 2.616 |

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|------------|--------|----------|--------|
| 04.06.2024 | 25,410 | 0.016922 | 2.541 |
| 03.06.2024 | 24,980 | -0.01641 | 2.498 |
| 31.05.2024 | 25,390 | -0.01812 | 2.539 |
| 30.05.2024 | 25,850 | -0.02437 | 2.585 |
| 29.05.2024 | 26,480 | -0.00264 | 2.648 |
| 28.05.2024 | 26,550 | -0.01055 | 2.655 |
| 27.05.2024 | 26,830 | 0.035035 | 2.683 |
| 24.05.2024 | 25,890 | 0.016222 | 2.589 |
| 23.05.2024 | 25,470 | -0.01413 | 2.547 |
| 22.05.2024 | 25,830 | -0.00658 | 2.583 |
| 21.05.2024 | 26,000 | 0.025769 | 2.6 |
| 20.05.2024 | 25,330 | 0.010265 | 2.533 |
| 17.05.2024 | 25,070 | -0.00997 | 2.507 |
| 16.05.2024 | 25,320 | 0.006714 | 2.532 |
| 15.05.2024 | 25,150 | 0.027833 | 2.515 |
| 14.05.2024 | 24,450 | 0.008998 | 2.445 |
| 13.05.2024 | 24,230 | -0.0487 | 2.423 |
| 10.05.2024 | 25,410 | 0.012987 | 2.541 |
| 09.05.2024 | 25,080 | -0.00478 | 2.508 |
| 08.05.2024 | 25,200 | 0.00873 | 2.52 |
| 07.05.2024 | 24,980 | 0.014812 | 2.498 |
| 06.05.2024 | 24,610 | 0.016254 | 2.461 |
| 03.05.2024 | 24,210 | -0.02313 | 2.421 |
| 02.05.2024 | 24,770 | -0.01332 | 2.477 |
| 01.05.2024 | 25,100 | -0.01713 | 2.51 |
| 30.04.2024 | 25,530 | -0.01156 | 2.553 |
| 29.04.2024 | 25,825 | 0.000194 | 2.5825 |
| 26.04.2024 | 25,820 | 0.020914 | 2.582 |
| 25.04.2024 | 25,280 | -0.0182 | 2.528 |
| 24.04.2024 | 25,740 | -0.01943 | 2.574 |
| 23.04.2024 | 26,240 | 0.014482 | 2.624 |
| 22.04.2024 | 25,860 | 0.030936 | 2.586 |
| 19.04.2024 | 25,060 | 0.005986 | 2.506 |
| 18.04.2024 | 24,910 | -0.00562 | 2.491 |
| 17.04.2024 | 25,050 | 0.00479 | 2.505 |
| 16.04.2024 | 24,930 | 0.008825 | 2.493 |
| 15.04.2024 | 24,710 | -0.00607 | 2.471 |
| 12.04.2024 | 24,860 | 0.020917 | 2.486 |
| 11.04.2024 | 24,340 | 0.031224 | 2.434 |
| 10.04.2024 | 23,580 | -0.05004 | 2.358 |
| 09.04.2024 | 24,760 | 0.018982 | 2.476 |
| 08.04.2024 | 24,290 | 0.025113 | 2.429 |
| 05.04.2024 | 23,680 | -0.03041 | 2.368 |
| 04.04.2024 | 24,400 | 0.016393 | 2.44 |
| 03.04.2024 | 24,000 | 0.017083 | 2.4 |
| 02.04.2024 | 23,590 | -0.01653 | 2.359 |
| 29.03.2024 | 23,980 | -0.00542 | 2.398 |
| 28.03.2024 | 24,110 | 0.047283 | 2.411 |
| 27.03.2024 | 22,970 | 0.001959 | 2.297 |

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| 26.03.2024 | 22,925 | -0.00022 | 2.2925 |
| 25.03.2024 | 22,930 | 0.000872 | 2.293 |
| 22.03.2024 | 22,910 | -0.02488 | 2.291 |
| 21.03.2024 | 23,480 | -0.0115 | 2.348 |
| 20.03.2024 | 23,750 | 0.022737 | 2.375 |
| 19.03.2024 | 23,210 | -0.03318 | 2.321 |
| 18.03.2024 | 23,980 | -0.01543 | 2.398 |
| 15.03.2024 | 24,350 | -0.00616 | 2.435 |
| 14.03.2024 | 24,500 | -0.00286 | 2.45 |
| 13.03.2024 | 24,570 | 0.00814 | 2.457 |
| 12.03.2024 | 24,370 | 0.006976 | 2.437 |
| 11.03.2024 | 24,200 | 0.02686 | 2.42 |
| 08.03.2024 | 23,550 | 0.012314 | 2.355 |
| 07.03.2024 | 23,260 | 0.012468 | 2.326 |
| 06.03.2024 | 22,970 | 0.01219 | 2.297 |
| 05.03.2024 | 22,690 | -0.01102 | 2.269 |
| 04.03.2024 | 22,940 | -0.01613 | 2.294 |
| 01.03.2024 | 23,310 | 0.003861 | 2.331 |
| 29.02.2024 | 23,220 | -0.0323 | 2.322 |
| 28.02.2024 | 23,970 | -0.00668 | 2.397 |
| 27.02.2024 | 24,130 | 0.004973 | 2.413 |
| 26.02.2024 | 24,010 | -0.02541 | 2.401 |
| 23.02.2024 | 24,620 | 0.002437 | 2.462 |
| 22.02.2024 | 24,560 | 0.010179 | 2.456 |
| 21.02.2024 | 24,310 | 0.028383 | 2.431 |
| 20.02.2024 | 23,620 | -0.03091 | 2.362 |
| 19.02.2024 | 24,350 | -0.00246 | 2.435 |
| 16.02.2024 | 24,410 | 0.029086 | 2.441 |
| 15.02.2024 | 23,700 | -0.0173 | 2.37 |
| 14.02.2024 | 24,110 | 0.004148 | 2.411 |
| 13.02.2024 | 24,010 | 0.019992 | 2.401 |
| 12.02.2024 | 23,530 | 0.002125 | 2.353 |
| 09.02.2024 | 23,480 | -0.01874 | 2.348 |
| 08.02.2024 | 23,920 | 0.01087 | 2.392 |
| 07.02.2024 | 23,660 | -0.00592 | 2.366 |
| 06.02.2024 | 23,800 | 0.010084 | 2.38 |
| 05.02.2024 | 23,560 | 0.024194 | 2.356 |
| 02.02.2024 | 22,990 | 0.00087 | 2.299 |
| 01.02.2024 | 22,970 | -0.01175 | 2.297 |
| 31.01.2024 | 23,240 | 0.040878 | 2.324 |
| 30.01.2024 | 22,290 | 0.040825 | 2.229 |
| 29.01.2024 | 21,380 | -0.01076 | 2.138 |
| 26.01.2024 | 21,610 | -0.05183 | 2.161 |
| 25.01.2024 | 22,730 | 0.014958 | 2.273 |
| 24.01.2024 | 22,390 | -0.0259 | 2.239 |
| 23.01.2024 | 22,970 | 0.006095 | 2.297 |
| 22.01.2024 | 22,830 | -0.02234 | 2.283 |

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| 19.01.2024 | 23,340 | -0.00643 | 2.334 |
| 18.01.2024 | 23,490 | 0.038314 | 2.349 |
| 17.01.2024 | 22,590 | -0.01992 | 2.259 |
| 16.01.2024 | 23,040 | -0.0013 | 2.304 |
| 15.01.2024 | 23,070 | 0.014304 | 2.307 |
| 12.01.2024 | 22,740 | 0.025506 | 2.274 |
| 11.01.2024 | 22,160 | 0.007671 | 2.216 |
| 10.01.2024 | 21,990 | 0.025466 | 2.199 |
| 09.01.2024 | 21,430 | -0.02986 | 2.143 |
| 08.01.2024 | 22,070 | -0.00272 | 2.207 |
| 05.01.2024 | 22,130 | 0.010845 | 2.213 |
| 04.01.2024 | 21,890 | 0.030151 | 2.189 |
| 03.01.2024 | 21,230 | 0.048281 | 2.123 |
| 02.01.2024 | 20,205 | -0.00371 | 2.0205 |
| 29.12.2023 | 20,280 | 0.042899 | 2.028 |
| 28.12.2023 | 19,410 | 0.021123 | 1.941 |
| 27.12.2023 | 19,000 | -0.04079 | 1.9 |
| 22.12.2023 | 19,775 | 0.001517 | 1.9775 |
| 21.12.2023 | 19,745 | 0.002786 | 1.9745 |
| 20.12.2023 | 19,690 | 0.007618 | 1.969 |
| 19.12.2023 | 19,540 | -0.01228 | 1.954 |
| 18.12.2023 | 19,780 | -0.01921 | 1.978 |
| 15.12.2023 | 20,160 | -0.02877 | 2.016 |
| 14.12.2023 | 20,740 | 0.029412 | 2.074 |
| 13.12.2023 | 20,130 | -0.05614 | 2.013 |
| 12.12.2023 | 21,260 | -0.01976 | 2.126 |
| 11.12.2023 | 21,680 | -0.0286 | 2.168 |
| 08.12.2023 | 22,300 | -0.0148 | 2.23 |
| 07.12.2023 | 22,630 | -0.00221 | 2.263 |
| 06.12.2023 | 22,680 | 0.031305 | 2.268 |
| 05.12.2023 | 21,970 | -0.00728 | 2.197 |
| 04.12.2023 | 22,130 | -0.0113 | 2.213 |
| 01.12.2023 | 22,380 | -0.05004 | 2.238 |
| 30.11.2023 | 23,500 | -0.00468 | 2.35 |
| 29.11.2023 | 23,610 | -0.03727 | 2.361 |
| 28.11.2023 | 24,490 | 0.010208 | 2.449 |
| 27.11.2023 | 24,240 | -0.02929 | 2.424 |
| 24.11.2023 | 24,950 | -0.02405 | 2.495 |
| 23.11.2023 | 25,550 | -0.03523 | 2.555 |
| 22.11.2023 | 26,450 | 0.008318 | 2.645 |
| 21.11.2023 | 26,230 | 0.022112 | 2.623 |
| 20.11.2023 | 25,650 | 0.003899 | 2.565 |
| 17.11.2023 | 25,550 | -0.02348 | 2.555 |
| 16.11.2023 | 26,150 | 0.01109 | 2.615 |
| 15.11.2023 | 25,860 | -0.00155 | 2.586 |
| 14.11.2023 | 25,900 | 0.001931 | 2.59 |
| 13.11.2023 | 25,850 | -0.01779 | 2.585 |

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| 10.11.2023 | 26,310 | 0.011022 | 2.631 |
| 09.11.2023 | 26,020 | -0.04535 | 2.602 |
| 08.11.2023 | 27,200 | 0.003676 | 2.72 |
| 07.11.2023 | 27,100 | 0.021033 | 2.71 |
| 06.11.2023 | 26,530 | 0.0147 | 2.653 |
| 03.11.2023 | 26,140 | -0.02028 | 2.614 |
| 02.11.2023 | 26,670 | -0.02662 | 2.667 |
| 01.11.2023 | 27,380 | 0.036523 | 2.738 |
| 31.10.2023 | 26,380 | -0.02654 | 2.638 |
| 30.10.2023 | 27,080 | -0.01846 | 2.708 |
| 27.10.2023 | 27,580 | -0.01849 | 2.758 |
| 26.10.2023 | 28,090 | -0.00641 | 2.809 |
| 25.10.2023 | 28,270 | -0.00248 | 2.827 |
| 24.10.2023 | 28,340 | -0.00565 | 2.834 |
| 23.10.2023 | 28,500 | -0.01368 | 2.85 |
| 20.10.2023 | 28,890 | 0.019384 | 2.889 |
| 19.10.2023 | 28,330 | -0.01094 | 2.833 |
| 18.10.2023 | 28,640 | -0.00663 | 2.864 |
| 17.10.2023 | 28,830 | -0.01561 | 2.883 |
| 16.10.2023 | 29,280 | 0.002049 | 2.928 |
| 13.10.2023 | 29,220 | 0.013347 | 2.922 |
| 12.10.2023 | 28,830 | 0.035033 | 2.883 |
| 11.10.2023 | 27,820 | 0.016715 | 2.782 |
| 10.10.2023 | 27,355 | 0.001279 | 2.7355 |
| 09.10.2023 | 27,320 | -0.01977 | 2.732 |
| 06.10.2023 | 27,860 | 0.024767 | 2.786 |
| 05.10.2023 | 27,170 | -0.02356 | 2.717 |
| 04.10.2023 | 27,810 | 0.006472 | 2.781 |
| 03.10.2023 | 27,630 | -0.04415 | 2.763 |
| 02.10.2023 | 28,850 | 0.00104 | 2.885 |
| 29.09.2023 | 28,820 | -0.02047 | 2.882 |
| 28.09.2023 | 29,410 | -0.00544 | 2.941 |
| 27.09.2023 | 29,570 | 0.015218 | 2.957 |
| 26.09.2023 | 29,120 | 0.025412 | 2.912 |
| 25.09.2023 | 28,380 | -0.04581 | 2.838 |
| 22.09.2023 | 29,680 | 0.045485 | 2.968 |
| 21.09.2023 | 28,330 | 0.012001 | 2.833 |
| 20.09.2023 | 27,990 | 0.003573 | 2.799 |
| 19.09.2023 | 27,890 | 0.019362 | 2.789 |
| 18.09.2023 | 27,350 | -0.00439 | 2.735 |
| 15.09.2023 | 27,470 | 0.015653 | 2.747 |
| 14.09.2023 | 27,040 | -0.01368 | 2.704 |
| 13.09.2023 | 27,410 | 0.008756 | 2.741 |
| 12.09.2023 | 27,170 | 0.017298 | 2.717 |
| 11.09.2023 | 26,700 | 0.02809 | 2.67 |
| 08.09.2023 | 25,950 | -0.02235 | 2.595 |
| 07.09.2023 | 26,530 | 0.004146 | 2.653 |

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| 06.09.2023 | 26,420 | 0.002271 | 2.642 |
| 05.09.2023 | 26,360 | 0.010432 | 2.636 |
| 04.09.2023 | 26,085 | 0.004025 | 2.6085 |
| 01.09.2023 | 25,980 | -0.00885 | 2.598 |
| 31.08.2023 | 26,210 | -0.01412 | 2.621 |
| 30.08.2023 | 26,580 | 0.018435 | 2.658 |
| 29.08.2023 | 26,090 | 0.012265 | 2.609 |
| 28.08.2023 | 25,770 | 0.012806 | 2.577 |
| 25.08.2023 | 25,440 | 0.028695 | 2.544 |
| 24.08.2023 | 24,710 | -0.02631 | 2.471 |
| 23.08.2023 | 25,360 | 0.010252 | 2.536 |
| 22.08.2023 | 25,100 | -0.02231 | 2.51 |
| 21.08.2023 | 25,660 | 0.003507 | 2.566 |
| 18.08.2023 | 25,570 | 0.013688 | 2.557 |
| 17.08.2023 | 25,220 | -0.0004 | 2.522 |
| 16.08.2023 | 25,230 | -0.05232 | 2.523 |
| 15.08.2023 | 26,550 | -0.01959 | 2.655 |
| 14.08.2023 | 27,070 | 0.031769 | 2.707 |
| 11.08.2023 | 26,210 | -0.03014 | 2.621 |
| 10.08.2023 | 27,000 | 0.02037 | 2.7 |
| 09.08.2023 | 26,450 | -0.01248 | 2.645 |
| 08.08.2023 | 26,780 | 0.014937 | 2.678 |
| 07.08.2023 | 26,380 | 0.006823 | 2.638 |
| 04.08.2023 | 26,200 | 0.044275 | 2.62 |
| 03.08.2023 | 25,040 | 0.014776 | 2.504 |
| 02.08.2023 | 24,670 | 0.010539 | 2.467 |
| 01.08.2023 | 24,410 | -0.04916 | 2.441 |
| 31.07.2023 | 25,610 | 0.012886 | 2.561 |
| 28.07.2023 | 25,280 | -0.00514 | 2.528 |
| 27.07.2023 | 25,410 | -0.00433 | 2.541 |
| 26.07.2023 | 25,520 | 0.017241 | 2.552 |
| 25.07.2023 | 25,080 | -0.00718 | 2.508 |
| 24.07.2023 | 25,260 | 0.024149 | 2.526 |
| 21.07.2023 | 24,650 | 0.00284 | 2.465 |
| 20.07.2023 | 24,580 | 0.009357 | 2.458 |
| 19.07.2023 | 24,350 | -0.0078 | 2.435 |
| 18.07.2023 | 24,540 | 0.021597 | 2.454 |
| 17.07.2023 | 24,010 | 0.005414 | 2.401 |
| 14.07.2023 | 23,880 | -0.01508 | 2.388 |
| 13.07.2023 | 24,240 | -0.00165 | 2.424 |
| 12.07.2023 | 24,280 | -0.00865 | 2.428 |
| 11.07.2023 | 24,490 | 0.021233 | 2.449 |
| 10.07.2023 | 23,970 | 0.019608 | 2.397 |
| 07.07.2023 | 23,500 | -0.04383 | 2.35 |
| 06.07.2023 | 24,530 | -0.00938 | 2.453 |
| 05.07.2023 | 24,760 | 0.008481 | 2.476 |
| 04.07.2023 | 24,550 | | 2.455 |

| REND Efecto Día | REndibilitat Acumulada |
|-----------------|------------------------|
| -0.0304% | -3.79% |
| 0.0325% | |
| 4.83% | |
| -5.770% | |
| 10.598% | |
| 0.0406% | |
| 2.015% | |
| 66.361260004886 | |
| 0.323 | |
| -0.1824 | |

| Fecha | Último | Apertura | Máximo | Mínimo | % var. |
|--------------|--------|----------|--------|--------|--------|
| Dec 29, 2023 | 2.028 | 1.946 | 2.034 | 1.926 | +4.48% |
| Dec 28, 2023 | 1.941 | 1.907 | 1.954 | 1.896 | +2.16% |
| Dec 27, 2023 | 1.900 | 1.960 | 1.972 | 1.898 | -3.92% |
| Dec 26, 2023 | 1.978 | 1.983 | 1.978 | 1.978 | +0.15% |
| Dec 25, 2023 | 1.975 | 1.983 | 1.975 | 1.970 | +0.28% |
| Dec 22, 2023 | 1.969 | 1.983 | 1.989 | 1.949 | +0.77% |
| Dec 21, 2023 | 1.954 | 1.977 | 1.989 | 1.940 | -1.21% |
| Dec 20, 2023 | 1.978 | 1.998 | 2.003 | 1.954 | -1.88% |
| Dec 19, 2023 | 2.016 | 2.042 | 2.045 | 2.009 | -2.80% |
| Dec 18, 2023 | 2.074 | 2.035 | 2.084 | 2.009 | +3.03% |
| Dec 15, 2023 | 2.013 | 2.127 | 2.141 | 2.012 | -5.32% |
| Dec 14, 2023 | 2.126 | 2.072 | 2.151 | 2.029 | -1.94% |
| Dec 13, 2023 | 2.168 | 2.223 | 2.228 | 2.168 | -2.78% |
| Dec 12, 2023 | 2.230 | 2.231 | 2.243 | 2.195 | -1.46% |
| Dec 11, 2023 | 2.263 | 2.273 | 2.277 | 2.246 | -0.22% |
| Dec 08, 2023 | 2.268 | 2.201 | 2.286 | 2.196 | +3.23% |
| Dec 07, 2023 | 2.197 | 2.200 | 2.235 | 2.166 | -0.72% |
| Dec 06, 2023 | 2.213 | 2.259 | 2.279 | 2.203 | -1.12% |
| Dec 05, 2023 | 2.238 | 2.289 | 2.324 | 2.236 | -4.77% |
| Dec 04, 2023 | 2.350 | 2.370 | 2.383 | 2.313 | -0.47% |
| Dec 01, 2023 | 2.361 | 2.459 | 2.461 | 2.361 | -3.59% |
| Nov 30, 2023 | 2.449 | 2.430 | 2.489 | 2.394 | +1.03% |
| Nov 29, 2023 | 2.424 | 2.444 | 2.468 | 2.411 | -2.85% |
| Nov 28, 2023 | 2.495 | 2.542 | 2.568 | 2.488 | -2.35% |
| Nov 27, 2023 | 2.555 | 2.645 | 2.649 | 2.548 | -3.40% |
| Nov 24, 2023 | 2.645 | 2.634 | 2.663 | 2.624 | +0.84% |
| Nov 23, 2023 | 2.623 | 2.555 | 2.625 | 2.550 | +2.26% |
| Nov 22, 2023 | 2.565 | 2.571 | 2.596 | 2.516 | +0.39% |
| Nov 21, 2023 | 2.555 | 2.613 | 2.613 | 2.547 | -2.29% |
| Nov 20, 2023 | 2.615 | 2.604 | 2.636 | 2.587 | +1.12% |
| Nov 18, 2023 | 2.586 | 2.586 | 2.586 | 2.586 | -0.15% |
| Nov 17, 2023 | 2.590 | 2.588 | 2.591 | 2.517 | +0.19% |
| Nov 16, 2023 | 2.585 | 2.605 | 2.628 | 2.560 | -1.75% |
| Nov 15, 2023 | 2.631 | 2.589 | 2.648 | 2.567 | +1.11% |
| Nov 14, 2023 | 2.602 | 2.707 | 2.717 | 2.599 | -4.34% |
| Nov 13, 2023 | 2.720 | 2.726 | 2.747 | 2.688 | +0.37% |
| Nov 10, 2023 | 2.710 | 2.708 | 2.742 | 2.680 | +2.15% |
| Nov 09, 2023 | 2.653 | 2.614 | 2.664 | 2.612 | +1.49% |
| Nov 08, 2023 | 2.614 | 2.666 | 2.667 | 2.606 | -1.99% |
| Nov 07, 2023 | 2.667 | 2.748 | 2.760 | 2.659 | -2.59% |
| Nov 06, 2023 | 2.738 | 2.681 | 2.739 | 2.675 | +3.79% |
| Nov 03, 2023 | 2.638 | 2.716 | 2.731 | 2.629 | -2.58% |
| Nov 02, 2023 | 2.708 | 2.712 | 2.751 | 2.665 | -1.81% |
| Nov 01, 2023 | 2.758 | 2.841 | 2.853 | 2.748 | -1.82% |
| Oct 31, 2023 | 2.809 | 2.816 | 2.818 | 2.753 | -0.64% |
| Oct 30, 2023 | 2.827 | 2.784 | 2.851 | 2.763 | -0.25% |
| Oct 27, 2023 | 2.834 | 2.862 | 2.862 | 2.820 | -0.56% |
| Oct 26, 2023 | 2.850 | 2.919 | 2.929 | 2.833 | -1.35% |

| RENDIBILITAT EFECTIVA DIÀ |
|---------------------------|
| 0.044822256568779 |
| 0.0215789473684211 |
| -0.0391908975979773 |
| 0.00151937199290966 |
| 0.00279329608938539 |
| 0.00767656090071654 |
| -0.0121334681496461 |
| -0.0188492063492064 |
| -0.0279652844744454 |
| 0.0303030303030303 |
| -0.0531514581373471 |
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| -0.0278026905829596 |
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| -0.0476595744680852 |
| -0.00465904277848374 |
| -0.0359330338913841 |
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| -0.0284569138276554 |
| -0.0234833659491194 |
| -0.0340264650283553 |
| 0.0083873427373236 |
| 0.0226120857699806 |
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| -0.0229445506692161 |
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| -0.00154440154440155 |
| 0.00193423597678913 |
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| 0.0111452728670253 |
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| 0.00369003690036909 |
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| 0.014919663351186 |
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| -0.00636717368234871 |
| -0.00247000705716306 |
| -0.0056140350877193 |
| -0.0134994807892003 |

| | | | | | |
|--------------|-------|-------|-------|-------|--------|
| Oct 25, 2023 | 2.889 | 2.827 | 2.890 | 2.792 | +1.98% |
| Oct 24, 2023 | 2.833 | 2.855 | 2.869 | 2.781 | -1.08% |
| Oct 23, 2023 | 2.864 | 2.919 | 2.968 | 2.864 | -0.66% |
| Oct 20, 2023 | 2.883 | 2.909 | 2.940 | 2.879 | -1.54% |
| Oct 19, 2023 | 2.928 | 2.929 | 2.958 | 2.905 | +0.21% |
| Oct 18, 2023 | 2.922 | 2.878 | 2.931 | 2.863 | +1.35% |
| Oct 17, 2023 | 2.883 | 2.795 | 2.892 | 2.786 | +3.63% |
| Oct 16, 2023 | 2.782 | 2.743 | 2.800 | 2.741 | +1.70% |
| Oct 14, 2023 | 2.736 | 2.736 | 2.736 | 2.736 | +0.13% |
| Oct 13, 2023 | 2.732 | 2.793 | 2.793 | 2.704 | -1.94% |
| Oct 12, 2023 | 2.786 | 2.706 | 2.787 | 2.687 | +2.54% |
| Oct 11, 2023 | 2.717 | 2.778 | 2.795 | 2.703 | -2.30% |
| Oct 10, 2023 | 2.781 | 2.769 | 2.833 | 2.759 | +0.65% |
| Oct 09, 2023 | 2.763 | 2.885 | 2.892 | 2.763 | -4.23% |
| Oct 06, 2023 | 2.885 | 2.885 | 2.954 | 2.885 | +0.10% |
| Oct 05, 2023 | 2.882 | 2.920 | 2.966 | 2.880 | -2.01% |
| Oct 04, 2023 | 2.941 | 3.006 | 3.024 | 2.931 | -0.54% |
| Oct 03, 2023 | 2.957 | 2.919 | 2.961 | 2.896 | +1.55% |
| Oct 02, 2023 | 2.912 | 2.856 | 2.917 | 2.841 | +2.61% |
| Sep 29, 2023 | 2.838 | 2.931 | 2.931 | 2.811 | -4.38% |
| Sep 28, 2023 | 2.968 | 2.834 | 2.980 | 2.834 | +4.77% |
| Sep 27, 2023 | 2.833 | 2.807 | 2.836 | 2.772 | +1.21% |
| Sep 26, 2023 | 2.799 | 2.812 | 2.821 | 2.764 | +0.36% |
| Sep 25, 2023 | 2.789 | 2.746 | 2.811 | 2.743 | +1.97% |
| Sep 22, 2023 | 2.735 | 2.734 | 2.766 | 2.680 | -0.44% |
| Sep 21, 2023 | 2.747 | 2.752 | 2.779 | 2.727 | +1.59% |
| Sep 20, 2023 | 2.704 | 2.751 | 2.751 | 2.703 | -1.35% |
| Sep 19, 2023 | 2.741 | 2.699 | 2.751 | 2.692 | +0.88% |
| Sep 18, 2023 | 2.717 | 2.689 | 2.722 | 2.677 | +1.76% |
| Sep 15, 2023 | 2.670 | 2.583 | 2.678 | 2.583 | +2.89% |
| Sep 14, 2023 | 2.595 | 2.652 | 2.658 | 2.564 | -2.19% |
| Sep 13, 2023 | 2.653 | 2.644 | 2.690 | 2.641 | +0.42% |
| Sep 12, 2023 | 2.642 | 2.640 | 2.643 | 2.609 | +0.23% |
| Sep 11, 2023 | 2.636 | 2.610 | 2.644 | 2.610 | +1.05% |
| Sep 09, 2023 | 2.609 | 2.609 | 2.609 | 2.609 | +0.40% |
| Sep 08, 2023 | 2.598 | 2.575 | 2.624 | 2.565 | -0.88% |
| Sep 07, 2023 | 2.621 | 2.664 | 2.664 | 2.610 | -1.39% |
| Sep 06, 2023 | 2.658 | 2.601 | 2.659 | 2.595 | +1.88% |
| Sep 05, 2023 | 2.609 | 2.581 | 2.611 | 2.574 | +1.24% |
| Sep 04, 2023 | 2.577 | 2.553 | 2.584 | 2.549 | +1.30% |
| Sep 01, 2023 | 2.544 | 2.476 | 2.545 | 2.446 | +2.95% |
| Aug 31, 2023 | 2.471 | 2.547 | 2.571 | 2.455 | -2.56% |
| Aug 30, 2023 | 2.536 | 2.527 | 2.587 | 2.519 | +1.04% |
| Aug 29, 2023 | 2.510 | 2.536 | 2.576 | 2.507 | -2.18% |
| Aug 28, 2023 | 2.566 | 2.557 | 2.595 | 2.541 | +0.35% |
| Aug 25, 2023 | 2.557 | 2.513 | 2.579 | 2.513 | +1.39% |
| Aug 24, 2023 | 2.522 | 2.521 | 2.534 | 2.448 | -0.04% |
| Aug 23, 2023 | 2.523 | 2.641 | 2.648 | 2.518 | -4.97% |
| Aug 22, 2023 | 2.655 | 2.691 | 2.705 | 2.651 | -1.92% |

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|-----------------------|
| 0.0197670314154605 |
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| -0.00659035726673608 |
| -0.0153688524590164 |
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| 0.0103585657370519 |
| -0.0218238503507405 |
| 0.00351974970668748 |
| 0.013877874702617 |
| -0.000396353547364381 |
| -0.0497175141242937 |
| -0.0192094569634282 |

| | | | | | |
|--------------|-------|-------|-------|-------|--------|
| Aug 21, 2023 | 2.707 | 2.622 | 2.709 | 2.622 | +3.28% |
| Aug 18, 2023 | 2.621 | 2.684 | 2.684 | 2.591 | -2.93% |
| Aug 17, 2023 | 2.700 | 2.713 | 2.714 | 2.672 | +2.08% |
| Aug 16, 2023 | 2.645 | 2.680 | 2.680 | 2.635 | -1.23% |
| Aug 15, 2023 | 2.678 | 2.652 | 2.729 | 2.648 | +1.52% |
| Aug 14, 2023 | 2.638 | 2.629 | 2.650 | 2.601 | +0.69% |
| Aug 11, 2023 | 2.620 | 2.597 | 2.626 | 2.556 | +4.63% |
| Aug 10, 2023 | 2.504 | 2.494 | 2.511 | 2.463 | +1.50% |
| Aug 09, 2023 | 2.467 | 2.420 | 2.492 | 2.420 | +1.07% |
| Aug 08, 2023 | 2.441 | 2.526 | 2.536 | 2.412 | -4.69% |
| Aug 07, 2023 | 2.561 | 2.511 | 2.605 | 2.511 | +1.31% |
| Aug 06, 2023 | 2.528 | 2.528 | 2.528 | 2.528 | -0.51% |
| Aug 04, 2023 | 2.541 | 2.572 | 2.620 | 2.533 | -0.43% |
| Aug 03, 2023 | 2.552 | 2.526 | 2.566 | 2.508 | +1.75% |
| Aug 02, 2023 | 2.508 | 2.511 | 2.523 | 2.466 | -0.71% |
| Aug 01, 2023 | 2.526 | 2.456 | 2.529 | 2.448 | +2.47% |
| Jul 31, 2023 | 2.465 | 2.493 | 2.503 | 2.450 | +0.28% |
| Jul 28, 2023 | 2.458 | 2.488 | 2.554 | 2.426 | +0.94% |
| Jul 27, 2023 | 2.435 | 2.425 | 2.468 | 2.374 | -0.77% |
| Jul 26, 2023 | 2.454 | 2.396 | 2.462 | 2.396 | +2.21% |
| Jul 25, 2023 | 2.401 | 2.411 | 2.441 | 2.397 | +0.54% |
| Jul 24, 2023 | 2.388 | 2.451 | 2.460 | 2.365 | -1.49% |
| Jul 23, 2023 | 2.424 | 2.424 | 2.424 | 2.424 | -0.16% |
| Jul 21, 2023 | 2.428 | 2.457 | 2.472 | 2.415 | -0.86% |
| Jul 20, 2023 | 2.449 | 2.393 | 2.457 | 2.381 | +2.17% |
| Jul 19, 2023 | 2.397 | 2.297 | 2.401 | 2.285 | +2.00% |
| Jul 18, 2023 | 2.350 | 2.430 | 2.434 | 2.336 | -4.20% |
| Jul 17, 2023 | 2.453 | 2.474 | 2.489 | 2.412 | -0.93% |
| Jul 16, 2023 | 2.476 | 2.476 | 2.476 | 2.476 | -0.04% |
| Jul 14, 2023 | 2.477 | 2.461 | 2.483 | 2.434 | +0.49% |
| Jul 13, 2023 | 2.465 | 2.551 | 2.553 | 2.438 | -3.33% |
| Jul 12, 2023 | 2.550 | 2.636 | 2.636 | 2.547 | -3.81% |
| Jul 11, 2023 | 2.651 | 2.613 | 2.657 | 2.591 | +0.57% |
| Jul 10, 2023 | 2.636 | 2.648 | 2.679 | 2.622 | +0.04% |
| Jul 07, 2023 | 2.635 | 2.622 | 2.677 | 2.601 | +0.19% |
| Jul 06, 2023 | 2.630 | 2.519 | 2.641 | 2.496 | +6.05% |
| Jul 05, 2023 | 2.480 | 2.449 | 2.480 | 2.405 | +1.02% |
| Jul 04, 2023 | 2.455 | 2.433 | 2.480 | 2.430 | +0.90% |
| Jul 03, 2023 | 2.433 | 2.401 | 2.449 | 2.363 | +1.76% |
| Jul 02, 2023 | 2.391 | 2.391 | 2.391 | 2.391 | 0.00% |
| Jun 30, 2023 | 2.391 | 2.404 | 2.456 | 2.388 | -0.95% |
| Jun 29, 2023 | 2.414 | 2.343 | 2.434 | 2.326 | +4.32% |
| Jun 28, 2023 | 2.314 | 2.372 | 2.372 | 2.300 | -2.16% |
| Jun 27, 2023 | 2.365 | 2.313 | 2.365 | 2.286 | +2.83% |
| Jun 26, 2023 | 2.300 | 2.351 | 2.368 | 2.292 | -2.11% |
| Jun 25, 2023 | 2.350 | 2.350 | 2.350 | 2.350 | -0.32% |
| Jun 23, 2023 | 2.357 | 2.476 | 2.482 | 2.316 | -5.27% |
| Jun 22, 2023 | 2.488 | 2.407 | 2.500 | 2.406 | +2.30% |
| Jun 21, 2023 | 2.432 | 2.408 | 2.452 | 2.394 | +1.08% |

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|-----------------------|
| 0.032811903853491 |
| -0.0292592592592593 |
| 0.0207939508506617 |
| -0.0123226288274832 |
| 0.0151630022744504 |
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| 0.0463258785942492 |
| 0.0149979732468585 |
| 0.0106513723883655 |
| -0.0468566966028895 |
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| 0.0108063175394845 |

| | | | | | | |
|--------------|-------|-------|-------|-------|--------|----------------------|
| Jun 20, 2023 | 2.406 | 2.509 | 2.509 | 2.398 | -4.45% | -0.0444797458300237 |
| Jun 19, 2023 | 2.518 | 2.450 | 2.526 | 2.427 | +2.15% | 0.0215010141987829 |
| Jun 18, 2023 | 2.465 | 2.465 | 2.465 | 2.465 | +0.16% | 0.0016253555465258 |
| Jun 16, 2023 | 2.461 | 2.508 | 2.548 | 2.456 | -1.60% | -0.0159936025589764 |
| Jun 15, 2023 | 2.501 | 2.480 | 2.548 | 2.440 | +2.37% | 0.0237413016782644 |
| Jun 14, 2023 | 2.443 | 2.445 | 2.467 | 2.419 | +0.70% | 0.0070074196207749 |
| Jun 13, 2023 | 2.426 | 2.357 | 2.426 | 2.337 | +1.85% | 0.0184718723761545 |
| Jun 12, 2023 | 2.382 | 2.389 | 2.398 | 2.325 | +0.06% | 0.000630119722747346 |
| Jun 11, 2023 | 2.381 | 2.381 | 2.381 | 2.381 | +0.06% | 0.000630517023959671 |
| Jun 09, 2023 | 2.379 | 2.417 | 2.432 | 2.367 | -1.86% | -0.0185643564356435 |
| Jun 08, 2023 | 2.424 | 2.463 | 2.480 | 2.414 | -0.82% | -0.00818330605564649 |
| Jun 07, 2023 | 2.444 | 2.356 | 2.445 | 2.347 | +3.21% | 0.0320945945945946 |
| Jun 06, 2023 | 2.368 | 2.403 | 2.407 | 2.309 | -0.29% | -0.00294736842105268 |
| Jun 05, 2023 | 2.375 | 2.347 | 2.395 | 2.343 | +2.72% | 0.027249134948097 |
| Jun 04, 2023 | 2.312 | 2.312 | 2.312 | 2.312 | +0.22% | 0.00216731686172514 |
| Jun 02, 2023 | 2.307 | 2.259 | 2.321 | 2.254 | +2.08% | 0.0207964601769912 |
| Jun 01, 2023 | 2.260 | 2.289 | 2.306 | 2.240 | -0.53% | -0.00528169014084508 |
| May 31, 202 | 2.272 | 2.287 | 2.300 | 2.240 | -3.73% | -0.0372881355932204 |
| May 30, 202 | 2.360 | 2.426 | 2.439 | 2.338 | -3.00% | -0.0300041101520756 |
| May 29, 202 | 2.433 | 2.526 | 2.534 | 2.423 | -4.00% | -0.0400473466166897 |
| May 28, 202 | 2.535 | 2.535 | 2.535 | 2.535 | -0.14% | -0.0013790386130811 |
| May 26, 202 | 2.538 | 2.533 | 2.556 | 2.495 | +2.01% | 0.020096463022508 |
| May 25, 202 | 2.488 | 2.484 | 2.492 | 2.438 | +1.43% | 0.0142682429677946 |
| May 24, 202 | 2.453 | 2.444 | 2.501 | 2.417 | -0.49% | -0.00486815415821501 |
| May 23, 202 | 2.465 | 2.460 | 2.497 | 2.455 | +0.57% | 0.00571195430436548 |
| May 22, 202 | 2.451 | 2.432 | 2.465 | 2.396 | +1.66% | 0.0165906262961427 |
| May 21, 202 | 2.411 | 2.411 | 2.411 | 2.411 | -0.70% | -0.00700164744645795 |
| May 19, 202 | 2.428 | 2.457 | 2.499 | 2.421 | +0.62% | 0.00621632822213018 |
| May 18, 202 | 2.413 | 2.350 | 2.458 | 2.347 | +3.12% | 0.0311965811965812 |
| May 17, 202 | 2.340 | 2.337 | 2.346 | 2.292 | 0.00% | |
| May 16, 202 | 2.340 | 2.291 | 2.346 | 2.253 | +1.34% | 0.0134257254222606 |
| May 15, 202 | 2.309 | 2.307 | 2.318 | 2.282 | +1.90% | 0.0189761694616064 |
| May 12, 202 | 2.266 | 2.233 | 2.273 | 2.227 | +2.16% | 0.0216411181244364 |
| May 11, 202 | 2.218 | 2.296 | 2.297 | 2.174 | -3.40% | -0.03397212543554 |
| May 10, 202 | 2.296 | 2.351 | 2.369 | 2.277 | -1.80% | -0.0179640718562875 |
| May 09, 202 | 2.338 | 2.322 | 2.342 | 2.292 | +0.86% | 0.00862812769628991 |
| May 08, 202 | 2.318 | 2.276 | 2.349 | 2.270 | +1.29% | 0.0128905396547958 |
| May 07, 202 | 2.289 | 2.289 | 2.289 | 2.289 | -0.28% | -0.00283224400871458 |
| May 05, 202 | 2.295 | 2.191 | 2.303 | 2.191 | +4.60% | 0.0460346399270738 |
| May 04, 202 | 2.194 | 2.243 | 2.306 | 2.178 | -2.36% | -0.0235870048954161 |
| May 03, 202 | 2.247 | 2.272 | 2.274 | 2.218 | -0.18% | -0.00177698800533097 |
| May 02, 202 | 2.251 | 2.410 | 2.425 | 2.249 | -2.70% | -0.0270153447157986 |
| May 01, 202 | 2.314 | 2.313 | 2.321 | 2.313 | -0.37% | -0.00366063738156769 |
| Apr 28, 2023 | 2.322 | 2.427 | 2.481 | 2.317 | -5.34% | -0.0534039951080309 |
| Apr 27, 2023 | 2.453 | 2.416 | 2.458 | 2.392 | +2.81% | 0.0280804694048616 |
| Apr 26, 2023 | 2.386 | 2.369 | 2.390 | 2.311 | +0.34% | 0.00336417157275021 |
| Apr 25, 2023 | 2.378 | 2.478 | 2.487 | 2.358 | -4.54% | -0.0453633079084705 |
| Apr 24, 2023 | 2.491 | 2.477 | 2.504 | 2.438 | +0.38% | 0.00382832963933108 |
| Apr 23, 2023 | 2.482 | 2.482 | 2.482 | 2.482 | -0.14% | -0.00140845070422529 |

| | | | | | |
|--------------|-------|-------|-------|-------|---------|
| Apr 21, 2023 | 2.485 | 2.443 | 2.494 | 2.420 | +1.68% |
| Apr 20, 2023 | 2.444 | 2.499 | 2.512 | 2.443 | -2.44% |
| Apr 19, 2023 | 2.505 | 2.477 | 2.540 | 2.477 | +1.42% |
| Apr 18, 2023 | 2.470 | 2.480 | 2.502 | 2.440 | -0.44% |
| Apr 17, 2023 | 2.481 | 2.435 | 2.495 | 2.419 | +1.99% |
| Apr 16, 2023 | 2.433 | 2.433 | 2.433 | 2.433 | -0.02% |
| Apr 14, 2023 | 2.433 | 2.382 | 2.434 | 2.355 | +2.61% |
| Apr 13, 2023 | 2.371 | 2.368 | 2.395 | 2.330 | +0.47% |
| Apr 12, 2023 | 2.360 | 2.309 | 2.398 | 2.254 | +2.48% |
| Apr 11, 2023 | 2.303 | 2.258 | 2.315 | 2.225 | +5.28% |
| Apr 10, 2023 | 2.188 | 2.188 | 2.188 | 2.188 | +0.62% |
| Apr 07, 2023 | 2.174 | 2.188 | 2.188 | 2.174 | -0.32% |
| Apr 06, 2023 | 2.181 | 2.194 | 2.208 | 2.122 | +0.05% |
| Apr 05, 2023 | 2.180 | 2.265 | 2.303 | 2.164 | -3.80% |
| Apr 04, 2023 | 2.266 | 2.259 | 2.339 | 2.254 | +0.94% |
| Apr 03, 2023 | 2.245 | 2.316 | 2.365 | 2.234 | -1.77% |
| Apr 02, 2023 | 2.286 | 2.286 | 2.286 | 2.286 | -0.67% |
| Mar 31, 2023 | 2.301 | 2.348 | 2.403 | 2.300 | -2.83% |
| Mar 30, 2023 | 2.368 | 2.293 | 2.396 | 2.228 | +2.64% |
| Mar 29, 2023 | 2.307 | 2.324 | 2.336 | 2.268 | +1.01% |
| Mar 28, 2023 | 2.284 | 2.258 | 2.327 | 2.236 | +2.56% |
| Mar 27, 2023 | 2.227 | 2.126 | 2.276 | 2.126 | +4.90% |
| Mar 26, 2023 | 2.123 | 2.123 | 2.123 | 2.123 | +0.05% |
| Mar 24, 2023 | 2.122 | 2.159 | 2.187 | 1.994 | -3.11% |
| Mar 23, 2023 | 2.190 | 2.274 | 2.300 | 2.173 | -5.97% |
| Mar 22, 2023 | 2.329 | 2.277 | 2.390 | 2.277 | +2.24% |
| Mar 21, 2023 | 2.278 | 2.127 | 2.286 | 2.096 | +8.37% |
| Mar 20, 2023 | 2.102 | 1.976 | 2.130 | 1.923 | +0.17% |
| Mar 19, 2023 | 2.099 | 2.099 | 2.099 | 2.099 | -1.53% |
| Mar 17, 2023 | 2.131 | 2.273 | 2.281 | 2.069 | -5.08% |
| Mar 16, 2023 | 2.245 | 2.256 | 2.292 | 2.117 | +6.10% |
| Mar 15, 2023 | 2.116 | 2.434 | 2.503 | 2.112 | -13.84% |
| Mar 14, 2023 | 2.456 | 2.252 | 2.461 | 2.187 | +7.96% |
| Mar 13, 2023 | 2.275 | 2.451 | 2.482 | 2.168 | -8.87% |
| Mar 12, 2023 | 2.497 | 2.497 | 2.497 | 2.497 | -0.06% |
| Mar 10, 2023 | 2.498 | 2.524 | 2.556 | 2.429 | -5.31% |
| Mar 09, 2023 | 2.638 | 2.661 | 2.702 | 2.629 | -0.23% |
| Mar 08, 2023 | 2.644 | 2.706 | 2.728 | 2.622 | -1.78% |
| Mar 07, 2023 | 2.692 | 2.732 | 2.741 | 2.643 | -1.28% |
| Mar 06, 2023 | 2.727 | 2.671 | 2.735 | 2.637 | +0.22% |
| Mar 05, 2023 | 2.721 | 2.721 | 2.721 | 2.721 | +0.26% |
| Mar 03, 2023 | 2.714 | 2.738 | 2.755 | 2.697 | -1.27% |
| Mar 02, 2023 | 2.749 | 2.728 | 2.770 | 2.702 | +1.14% |
| Mar 01, 2023 | 2.718 | 2.688 | 2.728 | 2.662 | +2.84% |
| Feb 28, 2023 | 2.643 | 2.581 | 2.710 | 2.580 | +2.16% |
| Feb 27, 2023 | 2.587 | 2.536 | 2.591 | 2.513 | +2.41% |
| Feb 26, 2023 | 2.526 | 2.526 | 2.526 | 2.526 | -0.16% |

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| | | | | | |
|--------------|-------|-------|-------|-------|---------|
| Feb 24, 2023 | 2.530 | 2.449 | 2.568 | 2.430 | +2.43% |
| Feb 23, 2023 | 2.470 | 2.532 | 2.557 | 2.470 | -1.71% |
| Feb 22, 2023 | 2.513 | 2.548 | 2.570 | 2.503 | -0.91% |
| Feb 21, 2023 | 2.536 | 2.466 | 2.558 | 2.455 | +3.05% |
| Feb 20, 2023 | 2.461 | 2.444 | 2.462 | 2.424 | +0.63% |
| Feb 19, 2023 | 2.446 | 2.446 | 2.446 | 2.446 | +0.58% |
| Feb 18, 2023 | 2.432 | 2.432 | 2.432 | 2.432 | -1.04% |
| Feb 17, 2023 | 2.457 | 2.515 | 2.565 | 2.441 | -0.77% |
| Feb 16, 2023 | 2.476 | 2.465 | 2.517 | 2.444 | -0.16% |
| Feb 15, 2023 | 2.480 | 2.424 | 2.483 | 2.399 | +1.39% |
| Feb 14, 2023 | 2.446 | 2.350 | 2.447 | 2.319 | +2.99% |
| Feb 13, 2023 | 2.375 | 2.349 | 2.396 | 2.340 | +0.49% |
| Feb 12, 2023 | 2.364 | 2.364 | 2.364 | 2.364 | -0.15% |
| Feb 10, 2023 | 2.367 | 2.341 | 2.377 | 2.315 | +2.65% |
| Feb 09, 2023 | 2.306 | 2.330 | 2.334 | 2.256 | -2.49% |
| Feb 08, 2023 | 2.365 | 2.346 | 2.396 | 2.338 | +2.29% |
| Feb 07, 2023 | 2.312 | 2.282 | 2.334 | 2.278 | +1.23% |
| Feb 06, 2023 | 2.284 | 2.195 | 2.297 | 2.195 | +4.70% |
| Feb 05, 2023 | 2.182 | 2.182 | 2.182 | 2.182 | -0.66% |
| Feb 03, 2023 | 2.196 | 2.081 | 2.216 | 2.067 | +6.60% |
| Feb 02, 2023 | 2.060 | 2.270 | 2.272 | 2.042 | -10.28% |
| Feb 01, 2023 | 2.296 | 2.271 | 2.303 | 2.244 | +0.70% |
| Jan 31, 2023 | 2.280 | 2.307 | 2.316 | 2.252 | -1.26% |
| Jan 30, 2023 | 2.309 | 2.207 | 2.325 | 2.200 | +3.17% |
| Jan 29, 2023 | 2.238 | 2.238 | 2.238 | 2.238 | -0.09% |
| Jan 27, 2023 | 2.240 | 2.233 | 2.283 | 2.227 | +1.13% |
| Jan 26, 2023 | 2.215 | 2.155 | 2.216 | 2.144 | +2.55% |
| Jan 25, 2023 | 2.160 | 2.161 | 2.173 | 2.079 | +0.05% |
| Jan 24, 2023 | 2.159 | 2.200 | 2.224 | 2.154 | -1.82% |
| Jan 23, 2023 | 2.199 | 2.171 | 2.214 | 2.154 | +1.24% |
| Jan 22, 2023 | 2.172 | 2.172 | 2.172 | 2.172 | +0.14% |
| Jan 20, 2023 | 2.169 | 2.075 | 2.173 | 2.060 | +5.80% |
| Jan 19, 2023 | 2.050 | 2.022 | 2.091 | 1.980 | +1.94% |
| Jan 18, 2023 | 2.011 | 2.071 | 2.102 | 1.967 | -3.55% |
| Jan 17, 2023 | 2.085 | 2.191 | 2.208 | 2.065 | -4.05% |
| Jan 16, 2023 | 2.173 | 2.172 | 2.215 | 2.150 | +0.49% |
| Jan 15, 2023 | 2.163 | 2.163 | 2.163 | 2.163 | +0.91% |
| Jan 13, 2023 | 2.143 | 2.100 | 2.143 | 2.097 | +0.52% |
| Jan 12, 2023 | 2.132 | 2.160 | 2.182 | 2.063 | -2.38% |
| Jan 11, 2023 | 2.184 | 2.266 | 2.273 | 2.174 | -5.08% |
| Jan 10, 2023 | 2.301 | 2.250 | 2.310 | 2.245 | +3.74% |
| Jan 09, 2023 | 2.218 | 2.210 | 2.280 | 2.210 | +0.36% |
| Jan 06, 2023 | 2.210 | 2.298 | 2.327 | 2.192 | -4.20% |
| Jan 05, 2023 | 2.307 | 2.281 | 2.347 | 2.272 | +1.72% |
| Jan 04, 2023 | 2.268 | 2.362 | 2.393 | 2.264 | -4.55% |
| Jan 03, 2023 | 2.376 | 2.448 | 2.496 | 2.343 | -2.74% |
| Jan 02, 2023 | 2.443 | 2.550 | 2.569 | 2.426 | -4.74% |

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| |
|---------------|
| CLASSE |
| -20% |
| |
| 20% |

| |
|-------------------------------|
| MITJANA |
| MEDIANA |
| MAXIM |
| MINIM |
| RECORREGUT |
| VARIANÇA |
| DESVIACIO TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALITZAD |
| COEF D'ASSIMETRIA |
| CURTOSI |
| CONTRAST JARQUE-BERA |
| INV CHIQUADRAT |

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| 1.78174557961E-09 |
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| 1.37511256568E-07 |
| 2.30941686241E-07 |
| 1.28848721069E-06 |
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| 4.2388317425E-11 |
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| 4.13083685914E-06 |
| 2.85059835211E-10 |
| 1.6178162039E-12 |

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| 3.81777307021E-11 |
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| 6.74454848453E-07 |
| 2.31176781825E-07 |
| 3.56170924443E-07 |
| 2.85941888081E-12 |

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| 3.64562925128E-07 |
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| 5.96634736231E-09 |
| 8.94794229279E-07 |
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| 1.40473072519E-13 |
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| 4.39215847417E-07 |
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| 7.66265829327E-12 |
| 1.15757982653E-05 |
| 1.49819900557E-07 |
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| 2.61583880294E-06 |
| 6.95901736796E-10 |
| 7.74139839626E-09 |
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| 3.06481701024E-07 |
| 6.53825931092E-06 |
| 2.02044042483E-06 |
| 2.31476925836E-10 |
| 3.0427221366E-06 |
| 9.328453081E-08 |
| 4.16437818874E-06 |
| 5.42921158571E-07 |

| FREQ ABS | FREQ ABS ACUMULA | FREQ RELATI | FREQ RELATIVA ACUMULADA |
|----------|------------------|--------------|-------------------------|
| 133 | 133 | 0.4618055556 | 0.461805555555556 |
| 155 | 288 | 0.5381944444 | 1 |
| | 288 | | 1 |

| |
|-------------|
| -0.00028065 |
| 0.001646607 |
| 0.083729781 |
| -0.13843648 |
| 0.222166263 |
| ### |
| 0.026857104 |
| 95.69601749 |
| 0.455780165 |
| -0.63177151 |
| 2.93068878 |
| 122.2257323 |
| 5.991464547 |

Com B es més gran que INV.CHIQUADR, rebutjem hipotesi nula, no segueixen una distr

| Fecha | Último | Apertura | Máximo | Mínimo | % var. |
|-----------|--------|----------|--------|--------|--------|
| Dec 31, 2 | 2.362 | 2.369 | 2.369 | 2.364 | +0.13% |
| Dec 30, 2 | 2.359 | 2.399 | 2.404 | 2.345 | -1.28% |
| Dec 27, 2 | 2.390 | 2.325 | 2.405 | 2.325 | +2.97% |
| Dec 24, 2 | 2.321 | 2.325 | 2.325 | 2.325 | -0.28% |
| Dec 23, 2 | 2.327 | 2.287 | 2.329 | 2.287 | +1.77% |
| Dec 20, 2 | 2.287 | 2.307 | 2.315 | 2.273 | -0.78% |
| Dec 19, 2 | 2.305 | 2.299 | 2.322 | 2.275 | +2.83% |
| Dec 18, 2 | 2.241 | 2.232 | 2.261 | 2.227 | +0.43% |
| Dec 17, 2 | 2.232 | 2.246 | 2.259 | 2.217 | -0.51% |
| Dec 16, 2 | 2.243 | 2.252 | 2.260 | 2.227 | -0.18% |
| Dec 13, 2 | 2.247 | 2.219 | 2.248 | 2.198 | +2.65% |
| Dec 12, 2 | 2.189 | 2.132 | 2.190 | 2.122 | +2.75% |
| Dec 11, 2 | 2.131 | 2.126 | 2.134 | 2.092 | +0.69% |
| Dec 10, 2 | 2.116 | 2.123 | 2.144 | 2.100 | -0.07% |
| Dec 09, 2 | 2.118 | 2.110 | 2.122 | 2.089 | +0.24% |
| Dec 06, 2 | 2.113 | 2.117 | 2.129 | 2.088 | +0.40% |
| Dec 05, 2 | 2.104 | 2.054 | 2.124 | 2.049 | +2.56% |
| Dec 04, 2 | 2.052 | 2.054 | 2.101 | 2.052 | -0.17% |
| Dec 03, 2 | 2.055 | 2.042 | 2.077 | 2.030 | +1.06% |
| Dec 02, 2 | 2.034 | 2.082 | 2.084 | 2.033 | -2.56% |
| Nov 29, 2 | 2.087 | 2.127 | 2.128 | 2.088 | -1.77% |
| Nov 28, 2 | 2.125 | 2.163 | 2.166 | 2.125 | -1.92% |
| Nov 27, 2 | 2.166 | 2.169 | 2.187 | 2.135 | -1.46% |
| Nov 26, 2 | 2.198 | 2.210 | 2.222 | 2.190 | -0.25% |
| Nov 25, 2 | 2.204 | 2.242 | 2.257 | 2.197 | -2.15% |
| Nov 22, 2 | 2.252 | 2.319 | 2.345 | 2.234 | -2.57% |
| Nov 21, 2 | 2.312 | 2.350 | 2.372 | 2.293 | -1.26% |
| Nov 20, 2 | 2.341 | 2.337 | 2.389 | 2.336 | +0.15% |
| Nov 19, 2 | 2.338 | 2.372 | 2.373 | 2.269 | -1.43% |
| Nov 18, 2 | 2.372 | 2.330 | 2.408 | 2.329 | +0.98% |
| Nov 15, 2 | 2.349 | 2.360 | 2.384 | 2.322 | +0.28% |
| Nov 14, 2 | 2.342 | 2.423 | 2.424 | 2.337 | -1.82% |
| Nov 13, 2 | 2.386 | 2.397 | 2.407 | 2.356 | +1.40% |
| Nov 12, 2 | 2.353 | 2.328 | 2.354 | 2.299 | +1.23% |
| Nov 11, 2 | 2.324 | 2.365 | 2.366 | 2.311 | -1.69% |
| Nov 08, 2 | 2.364 | 2.445 | 2.445 | 2.355 | -3.08% |
| Nov 07, 2 | 2.439 | 2.408 | 2.498 | 2.402 | +1.96% |
| Nov 06, 2 | 2.392 | 2.423 | 2.434 | 2.352 | -1.56% |
| Nov 05, 2 | 2.430 | 2.396 | 2.440 | 2.391 | +1.72% |
| Nov 04, 2 | 2.389 | 2.406 | 2.438 | 2.378 | -0.60% |
| Nov 01, 2 | 2.404 | 2.390 | 2.420 | 2.351 | +0.50% |
| Oct 31, 2 | 2.392 | 2.388 | 2.447 | 2.381 | +0.76% |
| Oct 30, 2 | 2.374 | 2.299 | 2.385 | 2.286 | +1.76% |
| Oct 29, 2 | 2.333 | 2.285 | 2.342 | 2.272 | +2.08% |
| Oct 28, 2 | 2.285 | 2.348 | 2.352 | 2.253 | -0.26% |
| Oct 25, 2 | 2.291 | 2.266 | 2.296 | 2.245 | +1.51% |
| Oct 24, 2 | 2.257 | 2.303 | 2.307 | 2.241 | -2.42% |
| Oct 23, 2 | 2.313 | 2.322 | 2.332 | 2.299 | -0.17% |

| RENDIBILITAT EFECTIVA DIA |
|---------------------------|
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| 0.0150642445724412 |
| -0.024210981409425 |
| -0.00172637030643073 |

| | | | | | |
|-----------|-------|-------|-------|-------|--------|
| Oct 22, 2 | 2.317 | 2.285 | 2.334 | 2.281 | +1.71% |
| Oct 21, 2 | 2.278 | 2.189 | 2.282 | 2.184 | +4.35% |
| Oct 18, 2 | 2.183 | 2.209 | 2.229 | 2.178 | -0.86% |
| Oct 17, 2 | 2.202 | 2.185 | 2.224 | 2.183 | +1.15% |
| Oct 16, 2 | 2.177 | 2.232 | 2.232 | 2.175 | -2.29% |
| Oct 15, 2 | 2.228 | 2.279 | 2.279 | 2.218 | -2.11% |
| Oct 14, 2 | 2.276 | 2.265 | 2.293 | 2.253 | +0.09% |
| Oct 11, 2 | 2.274 | 2.248 | 2.299 | 2.246 | +0.93% |
| Oct 10, 2 | 2.253 | 2.263 | 2.288 | 2.252 | -0.18% |
| Oct 09, 2 | 2.257 | 2.244 | 2.257 | 2.226 | +0.45% |
| Oct 08, 2 | 2.247 | 2.256 | 2.265 | 2.229 | -0.13% |
| Oct 07, 2 | 2.250 | 2.220 | 2.260 | 2.212 | +1.72% |
| Oct 04, 2 | 2.212 | 2.144 | 2.241 | 2.143 | +3.51% |
| Oct 03, 2 | 2.137 | 2.091 | 2.157 | 2.089 | +1.67% |
| Oct 02, 2 | 2.102 | 2.037 | 2.115 | 2.035 | +2.89% |
| Oct 01, 2 | 2.043 | 2.126 | 2.131 | 2.011 | -4.17% |
| Sep 30, 2 | 2.132 | 2.133 | 2.176 | 2.114 | -0.37% |
| Sep 27, 2 | 2.140 | 2.169 | 2.191 | 2.110 | -1.47% |
| Sep 26, 2 | 2.172 | 2.181 | 2.183 | 2.126 | -0.78% |
| Sep 25, 2 | 2.189 | 2.149 | 2.192 | 2.133 | +2.48% |
| Sep 24, 2 | 2.136 | 2.171 | 2.197 | 2.130 | -1.79% |
| Sep 23, 2 | 2.175 | 2.212 | 2.216 | 2.143 | -2.07% |
| Sep 20, 2 | 2.221 | 2.190 | 2.226 | 2.170 | +1.32% |
| Sep 19, 2 | 2.192 | 2.197 | 2.219 | 2.182 | +0.05% |
| Sep 18, 2 | 2.191 | 2.149 | 2.196 | 2.141 | +2.05% |
| Sep 17, 2 | 2.147 | 2.124 | 2.149 | 2.089 | +1.27% |
| Sep 16, 2 | 2.120 | 2.147 | 2.161 | 2.118 | -1.35% |
| Sep 13, 2 | 2.149 | 2.128 | 2.161 | 2.109 | -0.32% |
| Sep 12, 2 | 2.156 | 2.111 | 2.161 | 2.098 | +2.76% |
| Sep 11, 2 | 2.098 | 2.141 | 2.157 | 2.086 | -2.33% |
| Sep 10, 2 | 2.148 | 2.165 | 2.187 | 2.148 | -1.06% |
| Sep 09, 2 | 2.171 | 2.227 | 2.239 | 2.166 | 0.00% |
| Sep 06, 2 | 2.171 | 2.208 | 2.217 | 2.147 | -1.68% |
| Sep 05, 2 | 2.208 | 2.206 | 2.236 | 2.192 | -0.41% |
| Sep 04, 2 | 2.217 | 2.283 | 2.283 | 2.203 | -2.51% |
| Sep 03, 2 | 2.274 | 2.330 | 2.342 | 2.259 | -2.74% |
| Sep 02, 2 | 2.338 | 2.301 | 2.349 | 2.301 | +2.10% |
| Aug 30, 2 | 2.290 | 2.279 | 2.291 | 2.252 | +0.35% |
| Aug 29, 2 | 2.282 | 2.265 | 2.286 | 2.222 | +1.24% |
| Aug 28, 2 | 2.254 | 2.276 | 2.281 | 2.233 | -1.10% |
| Aug 27, 2 | 2.279 | 2.257 | 2.300 | 2.243 | +1.33% |
| Aug 26, 2 | 2.249 | 2.230 | 2.266 | 2.211 | +1.08% |
| Aug 23, 2 | 2.225 | 2.245 | 2.261 | 2.216 | -0.89% |
| Aug 22, 2 | 2.245 | 2.201 | 2.248 | 2.178 | +2.00% |
| Aug 21, 2 | 2.201 | 2.207 | 2.226 | 2.195 | -0.63% |
| Aug 20, 2 | 2.215 | 2.260 | 2.260 | 2.210 | -1.73% |
| Aug 19, 2 | 2.254 | 2.258 | 2.263 | 2.215 | -0.18% |
| Aug 16, 2 | 2.258 | 2.267 | 2.267 | 2.213 | -0.18% |
| Aug 15, 2 | 2.262 | 2.184 | 2.266 | 2.176 | +3.90% |

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|-----------------------|
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| 0.0390445567294442 |

| | | | | | |
|------------|-------|-------|-------|-------|--------|
| Aug 14, 2 | 2.177 | 2.184 | 2.217 | 2.168 | -0.23% |
| Aug 13, 2 | 2.182 | 2.226 | 2.232 | 2.178 | -1.93% |
| Aug 12, 2 | 2.225 | 2.235 | 2.252 | 2.222 | +0.14% |
| Aug 09, 2 | 2.222 | 2.256 | 2.268 | 2.216 | -2.07% |
| Aug 08, 2 | 2.269 | 2.268 | 2.283 | 2.216 | -0.13% |
| Aug 07, 2 | 2.272 | 2.198 | 2.290 | 2.198 | +4.17% |
| Aug 06, 2 | 2.181 | 2.185 | 2.227 | 2.139 | -0.05% |
| Aug 05, 2 | 2.182 | 2.100 | 2.184 | 2.074 | +1.02% |
| Aug 02, 2 | 2.160 | 2.231 | 2.235 | 2.149 | -3.91% |
| Aug 01, 2 | 2.248 | 2.304 | 2.304 | 2.232 | -2.35% |
| Jul 31, 20 | 2.302 | 2.339 | 2.339 | 2.301 | -1.71% |
| Jul 30, 20 | 2.342 | 2.367 | 2.369 | 2.332 | -0.76% |
| Jul 29, 20 | 2.360 | 2.407 | 2.408 | 2.344 | -1.79% |
| Jul 26, 20 | 2.403 | 2.434 | 2.459 | 2.390 | -0.41% |
| Jul 25, 20 | 2.413 | 2.453 | 2.456 | 2.390 | -1.19% |
| Jul 24, 20 | 2.442 | 2.443 | 2.454 | 2.407 | +0.16% |
| Jul 23, 20 | 2.438 | 2.493 | 2.496 | 2.434 | -1.81% |
| Jul 22, 20 | 2.483 | 2.461 | 2.484 | 2.443 | +0.81% |
| Jul 19, 20 | 2.463 | 2.422 | 2.475 | 2.418 | +2.16% |
| Jul 18, 20 | 2.411 | 2.422 | 2.450 | 2.401 | -0.41% |
| Jul 17, 20 | 2.421 | 2.425 | 2.446 | 2.408 | -0.45% |
| Jul 16, 20 | 2.432 | 2.468 | 2.472 | 2.417 | -1.54% |
| Jul 15, 20 | 2.470 | 2.496 | 2.522 | 2.468 | -1.04% |
| Jul 12, 20 | 2.496 | 2.493 | 2.524 | 2.483 | +1.01% |
| Jul 11, 20 | 2.471 | 2.540 | 2.558 | 2.463 | -2.56% |
| Jul 10, 20 | 2.536 | 2.580 | 2.580 | 2.513 | -0.94% |
| Jul 09, 20 | 2.560 | 2.517 | 2.561 | 2.516 | +1.63% |
| Jul 08, 20 | 2.519 | 2.533 | 2.566 | 2.511 | -0.51% |
| Jul 05, 20 | 2.532 | 2.587 | 2.587 | 2.531 | -2.05% |
| Jul 04, 20 | 2.585 | 2.566 | 2.587 | 2.564 | +1.02% |
| Jul 03, 20 | 2.559 | 2.601 | 2.616 | 2.543 | -1.92% |
| Jul 02, 20 | 2.609 | 2.606 | 2.614 | 2.572 | +0.15% |
| Jul 01, 20 | 2.605 | 2.541 | 2.606 | 2.532 | +4.83% |
| Jun 28, 2 | 2.485 | 2.450 | 2.499 | 2.432 | +1.30% |
| Jun 27, 2 | 2.453 | 2.453 | 2.482 | 2.436 | +0.08% |
| Jun 26, 2 | 2.451 | 2.411 | 2.454 | 2.411 | +1.66% |
| Jun 25, 2 | 2.411 | 2.396 | 2.417 | 2.379 | -0.41% |
| Jun 24, 2 | 2.421 | 2.399 | 2.433 | 2.387 | +0.50% |
| Jun 21, 2 | 2.409 | 2.423 | 2.425 | 2.354 | -0.58% |
| Jun 20, 2 | 2.423 | 2.406 | 2.452 | 2.406 | +0.83% |
| Jun 19, 2 | 2.403 | 2.391 | 2.426 | 2.371 | +0.46% |
| Jun 18, 2 | 2.392 | 2.411 | 2.437 | 2.382 | -0.87% |
| Jun 17, 2 | 2.413 | 2.352 | 2.436 | 2.352 | +2.38% |
| Jun 14, 2 | 2.357 | 2.480 | 2.480 | 2.341 | -5.46% |
| Jun 13, 2 | 2.493 | 2.531 | 2.560 | 2.489 | -1.66% |
| Jun 12, 2 | 2.535 | 2.624 | 2.625 | 2.530 | -3.32% |
| Jun 11, 2 | 2.622 | 2.678 | 2.678 | 2.617 | -1.94% |
| Jun 10, 2 | 2.674 | 2.619 | 2.682 | 2.619 | +2.22% |
| Jun 07, 2 | 2.616 | 2.547 | 2.636 | 2.547 | +2.95% |

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|-----------------------|
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| -0.0193258426966293 |
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| -0.0194465220643231 |
| 0.0221712538226299 |
| 0.0295159386068478 |

| | | | | | |
|-----------|-------|-------|-------|-------|--------|
| Jun 06, 2 | 2.541 | 2.502 | 2.575 | 2.501 | +1.72% |
| Jun 05, 2 | 2.498 | 2.545 | 2.554 | 2.494 | -1.61% |
| Jun 04, 2 | 2.539 | 2.582 | 2.589 | 2.504 | -1.78% |
| Jun 03, 2 | 2.585 | 2.666 | 2.666 | 2.570 | -2.38% |
| May 31, 2 | 2.648 | 2.654 | 2.707 | 2.636 | -0.26% |
| May 30, 2 | 2.655 | 2.687 | 2.691 | 2.653 | -1.04% |
| May 29, 2 | 2.683 | 2.635 | 2.685 | 2.601 | +3.63% |
| May 28, 2 | 2.589 | 2.550 | 2.589 | 2.537 | +1.65% |
| May 27, 2 | 2.547 | 2.586 | 2.598 | 2.532 | -1.39% |
| May 24, 2 | 2.583 | 2.598 | 2.618 | 2.571 | -0.65% |
| May 23, 2 | 2.600 | 2.542 | 2.611 | 2.512 | +2.65% |
| May 22, 2 | 2.533 | 2.537 | 2.556 | 2.519 | +1.04% |
| May 21, 2 | 2.507 | 2.527 | 2.530 | 2.489 | -0.99% |
| May 20, 2 | 2.532 | 2.517 | 2.542 | 2.507 | +0.68% |
| May 17, 2 | 2.515 | 2.469 | 2.518 | 2.461 | +2.86% |
| May 16, 2 | 2.445 | 2.425 | 2.451 | 2.398 | +0.91% |
| May 15, 2 | 2.423 | 2.550 | 2.552 | 2.419 | -4.64% |
| May 14, 2 | 2.541 | 2.507 | 2.553 | 2.483 | +1.32% |
| May 13, 2 | 2.508 | 2.518 | 2.524 | 2.484 | -0.48% |
| May 10, 2 | 2.520 | 2.493 | 2.524 | 2.458 | +0.88% |
| May 09, 2 | 2.498 | 2.465 | 2.507 | 2.465 | +1.50% |
| May 08, 2 | 2.461 | 2.421 | 2.474 | 2.421 | +1.65% |
| May 07, 2 | 2.421 | 2.440 | 2.462 | 2.417 | -2.26% |
| May 06, 2 | 2.477 | 2.449 | 2.479 | 2.439 | -1.31% |
| May 03, 2 | 2.510 | 2.546 | 2.546 | 2.451 | -1.68% |
| May 02, 2 | 2.553 | 2.558 | 2.584 | 2.529 | -1.14% |
| May 01, 2 | 2.583 | 2.533 | 2.584 | 2.582 | +0.02% |
| Apr 30, 2 | 2.582 | 2.533 | 2.597 | 2.511 | +2.14% |
| Apr 29, 2 | 2.528 | 2.578 | 2.581 | 2.507 | -1.79% |
| Apr 26, 2 | 2.574 | 2.625 | 2.632 | 2.552 | -1.91% |
| Apr 25, 2 | 2.624 | 2.590 | 2.647 | 2.568 | +1.47% |
| Apr 24, 2 | 2.586 | 2.531 | 2.599 | 2.517 | +3.19% |
| Apr 23, 2 | 2.506 | 2.486 | 2.527 | 2.467 | +0.60% |
| Apr 22, 2 | 2.491 | 2.502 | 2.554 | 2.486 | -0.56% |
| Apr 19, 2 | 2.505 | 2.499 | 2.523 | 2.432 | +0.48% |
| Apr 18, 2 | 2.493 | 2.467 | 2.494 | 2.425 | +0.89% |
| Apr 17, 2 | 2.471 | 2.489 | 2.509 | 2.451 | -0.60% |
| Apr 16, 2 | 2.486 | 2.432 | 2.511 | 2.419 | +2.14% |
| Apr 15, 2 | 2.434 | 2.364 | 2.454 | 2.361 | +3.22% |
| Apr 12, 2 | 2.358 | 2.468 | 2.468 | 2.318 | -4.77% |
| Apr 11, 2 | 2.476 | 2.455 | 2.483 | 2.416 | +1.93% |
| Apr 10, 2 | 2.429 | 2.371 | 2.441 | 2.342 | +2.58% |
| Apr 09, 2 | 2.368 | 2.430 | 2.436 | 2.361 | -2.95% |
| Apr 08, 2 | 2.440 | 2.402 | 2.457 | 2.401 | +1.67% |
| Apr 05, 2 | 2.400 | 2.365 | 2.407 | 2.336 | +1.74% |
| Apr 04, 2 | 2.359 | 2.384 | 2.394 | 2.340 | -1.63% |
| Apr 03, 2 | 2.398 | 2.406 | 2.430 | 2.360 | -0.54% |
| Apr 02, 2 | 2.411 | 2.295 | 2.432 | 2.295 | +4.96% |
| Apr 01, 2 | 2.297 | 2.292 | 2.297 | 2.297 | +0.20% |

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| | | | | | |
|-----------|-------|-------|-------|-------|--------|
| Mar 29, 2 | 2.293 | 2.292 | 2.293 | 2.292 | -0.02% |
| Mar 28, 2 | 2.293 | 2.292 | 2.325 | 2.288 | +0.09% |
| Mar 27, 2 | 2.291 | 2.355 | 2.355 | 2.288 | -2.43% |
| Mar 26, 2 | 2.348 | 2.375 | 2.375 | 2.339 | -1.14% |
| Mar 25, 2 | 2.375 | 2.318 | 2.376 | 2.317 | +2.33% |
| Mar 22, 2 | 2.321 | 2.383 | 2.387 | 2.316 | -3.21% |
| Mar 21, 2 | 2.398 | 2.437 | 2.440 | 2.376 | -1.52% |
| Mar 20, 2 | 2.435 | 2.452 | 2.455 | 2.405 | -0.61% |
| Mar 19, 2 | 2.450 | 2.458 | 2.465 | 2.427 | -0.28% |
| Mar 18, 2 | 2.457 | 2.436 | 2.468 | 2.429 | +0.82% |
| Mar 15, 2 | 2.437 | 2.427 | 2.455 | 2.423 | +0.70% |
| Mar 14, 2 | 2.420 | 2.367 | 2.432 | 2.357 | +2.76% |
| Mar 13, 2 | 2.355 | 2.330 | 2.363 | 2.295 | +1.25% |
| Mar 12, 2 | 2.326 | 2.304 | 2.342 | 2.275 | +1.26% |
| Mar 11, 2 | 2.297 | 2.269 | 2.318 | 2.241 | +1.23% |
| Mar 08, 2 | 2.269 | 2.292 | 2.297 | 2.233 | -1.09% |
| Mar 07, 2 | 2.294 | 2.332 | 2.350 | 2.250 | -1.59% |
| Mar 06, 2 | 2.331 | 2.323 | 2.362 | 2.315 | +0.39% |
| Mar 05, 2 | 2.322 | 2.394 | 2.394 | 2.293 | -3.13% |
| Mar 04, 2 | 2.397 | 2.414 | 2.428 | 2.385 | -0.66% |
| Mar 01, 2 | 2.413 | 2.442 | 2.472 | 2.392 | +0.50% |
| Feb 29, 2 | 2.401 | 2.455 | 2.513 | 2.401 | -2.48% |
| Feb 28, 2 | 2.462 | 2.466 | 2.469 | 2.435 | +0.24% |
| Feb 27, 2 | 2.456 | 2.440 | 2.456 | 2.411 | +1.03% |
| Feb 26, 2 | 2.431 | 2.378 | 2.431 | 2.374 | +2.92% |
| Feb 23, 2 | 2.362 | 2.441 | 2.478 | 2.362 | -3.00% |
| Feb 22, 2 | 2.435 | 2.450 | 2.500 | 2.411 | -0.25% |
| Feb 21, 2 | 2.441 | 2.374 | 2.441 | 2.367 | +3.00% |
| Feb 20, 2 | 2.370 | 2.409 | 2.410 | 2.358 | -1.70% |
| Feb 19, 2 | 2.411 | 2.394 | 2.418 | 2.387 | +0.42% |
| Feb 16, 2 | 2.401 | 2.359 | 2.422 | 2.359 | +2.04% |
| Feb 15, 2 | 2.353 | 2.337 | 2.353 | 2.292 | +0.21% |
| Feb 14, 2 | 2.348 | 2.393 | 2.393 | 2.345 | -1.84% |
| Feb 13, 2 | 2.392 | 2.362 | 2.415 | 2.333 | +1.10% |
| Feb 12, 2 | 2.366 | 2.368 | 2.372 | 2.364 | -0.59% |
| Feb 09, 2 | 2.380 | 2.367 | 2.390 | 2.333 | +1.02% |
| Feb 08, 2 | 2.356 | 2.317 | 2.360 | 2.295 | +2.48% |
| Feb 07, 2 | 2.299 | 2.292 | 2.314 | 2.272 | +0.09% |
| Feb 06, 2 | 2.297 | 2.318 | 2.343 | 2.281 | -1.16% |
| Feb 05, 2 | 2.324 | 2.242 | 2.333 | 2.237 | +4.26% |
| Feb 02, 2 | 2.229 | 2.174 | 2.247 | 2.153 | +4.26% |
| Feb 01, 2 | 2.138 | 2.185 | 2.217 | 2.119 | -1.06% |
| Jan 31, 2 | 2.161 | 2.270 | 2.270 | 2.154 | -4.93% |
| Jan 30, 2 | 2.273 | 2.235 | 2.293 | 2.198 | +1.52% |
| Jan 29, 2 | 2.239 | 2.266 | 2.271 | 2.228 | -2.53% |
| Jan 26, 2 | 2.297 | 2.251 | 2.314 | 2.237 | +0.61% |
| Jan 25, 2 | 2.283 | 2.352 | 2.371 | 2.279 | -2.19% |

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| | | | | | |
|-----------|-------|-------|-------|-------|--------|
| Jan 24, 2 | 2.334 | 2.324 | 2.340 | 2.294 | -0.64% |
| Jan 23, 2 | 2.349 | 2.298 | 2.350 | 2.293 | +3.98% |
| Jan 22, 2 | 2.259 | 2.273 | 2.287 | 2.244 | -1.95% |
| Jan 19, 2 | 2.304 | 2.322 | 2.326 | 2.277 | -0.13% |
| Jan 18, 2 | 2.307 | 2.277 | 2.312 | 2.263 | +1.45% |
| Jan 17, 2 | 2.274 | 2.251 | 2.293 | 2.223 | +2.62% |
| Jan 16, 2 | 2.216 | 2.192 | 2.226 | 2.174 | +0.77% |
| Jan 15, 2 | 2.199 | 2.150 | 2.218 | 2.150 | +2.61% |
| Jan 12, 2 | 2.143 | 2.160 | 2.187 | 2.131 | -2.90% |
| Jan 11, 2 | 2.207 | 2.210 | 2.225 | 2.165 | -0.27% |
| Jan 10, 2 | 2.213 | 2.195 | 2.214 | 2.160 | +1.10% |
| Jan 09, 2 | 2.189 | 2.137 | 2.199 | 2.137 | +3.11% |
| Jan 08, 2 | 2.123 | 2.156 | 2.208 | 2.120 | -0.93% |
| Jan 05, 2 | 2.143 | 2.125 | 2.211 | 2.118 | +1.85% |
| Jan 04, 2 | 2.104 | 1.993 | 2.140 | 1.975 | +4.31% |
| Jan 03, 2 | 2.017 | 2.077 | 2.105 | 2.014 | -2.42% |
| Jan 02, 2 | 2.067 | 2.068 | 2.110 | 2.045 | +2.30% |
| Jan 01, 2 | 2.021 | 1.946 | 2.021 | 2.017 | -0.37% |

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(REND + MITJANA)^4

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| |
|---------------|
| CLASSE |
| -20% |
| |
| 20% |

| |
|-------------------------------|
| MITJANA |
| MEDIANA |
| MAXIM |
| MINIM |
| RECORREGUT |
| VARIANÇA |
| DESVIACIO TIPICA |
| COEF DE VARIACIÓ |
| VOLATILITAT ANUALITZAD |
| COEF D'ASSIMETRIA |
| CURTOSI |
| CONTRAST JARQUE-BERA |
| INV CHIQUADRAT |

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| 5.25988863866E-17 |
| 3.9462773498E-07 |
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| 2.55288798387E-07 |
| 1.1713139127E-06 |
| 6.52561425545E-08 |
| 2.28023549085E-09 |
| 1.74939701415E-10 |
| 3.02956051134E-09 |
| 1.51319774242E-09 |
| 5.16872654698E-07 |
| 1.86106648205E-08 |
| 1.96343726296E-08 |
| 1.7811136903E-08 |
| 1.86481574725E-08 |
| 7.70525648102E-08 |
| 9.09480150214E-11 |
| 1.05869591511E-06 |
| 3.02887059295E-09 |
| 3.14172962478E-10 |
| 4.27114233705E-07 |
| 7.50547107416E-12 |
| 8.13140195695E-09 |
| 6.52806250017E-07 |
| 8.96100534913E-07 |
| 1.10994719951E-10 |
| 7.24010563957E-07 |
| 1.00234531825E-07 |
| 1.30071367917E-10 |
| 1.47930711819E-07 |
| 3.24011144973E-12 |
| 1.35399782109E-07 |
| 1.08293798718E-08 |
| 1.97946699231E-09 |
| 7.80396070953E-09 |
| 3.32084043021E-07 |
| 4.71875255723E-17 |
| 2.36857893599E-08 |
| 3.06226225121E-06 |
| 3.04564505908E-06 |
| 1.70743045344E-08 |
| 6.28101087237E-06 |
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| 4.59663729764E-07 |
| 8.15860941757E-10 |
| 2.62668152436E-07 |

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| 2.64806225076E-09 |
| 2.32599889808E-06 |
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| 4.15279540506E-07 |
| 2.32370205878E-09 |
| 4.12557976458E-07 |
| 7.87182777045E-07 |
| 1.49903284767E-10 |
| 1.07231877494E-08 |
| 8.42918550361E-07 |
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| 9.92264034184E-08 |
| 3.21537019373E-06 |
| 3.89218552863E-07 |
| 2.44043689455E-07 |

| FREQ ABS | FREQ ABS ACUMULADA | FREQ RELATIVA | FREQ RELATIVA ACUMULADA |
|----------|--------------------|---------------|-------------------------|
| 130 | 130 | 0.5019305019 | 0.501930501930502 |
| 129 | 259 | 0.4980694981 | 1 |
| | 259 | | 1 |

| |
|------------------|
| 0.07878% |
| |
| 0.0496299521114 |
| -0.0545527476935 |
| 0.104182699805 |
| 0.000369641 |
| 0.0192260615281 |
| 24.404143194156 |
| 0.3094141778385 |
| 0.0278721125611 |
| -0.1672237423084 |
| 0.3353100185067 |
| 5.991464547108 |

Com B es més petita que INV.CHIQUADR, acceptem hipotesi nula, segueix un

| BO ALEMAN | BO BLAU | RENDIBILITAT EFECTIVA DIARIA BO AL |
|------------------|----------------|---|
| 2.362 | 1114.83 | 0.00127172530733366 |
| 2.359 | 1117.91 | -0.0127641766059845 |
| 2.390 | 1118.18 | 0.0297349709114415 |
| 2.321 | 1115.13 | -0.00279329608938545 |
| 2.327 | 1114.62 | 0.0177126612726874 |
| 2.287 | 1114.42 | -0.00781080494684304 |
| 2.305 | 1118.85 | 0.0283355644801427 |
| 2.241 | 1117.66 | 0.00425722608111139 |
| 2.232 | 1117 | -0.00512706197057505 |
| 2.243 | 1110.79 | -0.0017801513128616 |
| 2.247 | 1112.7 | 0.0264961169483782 |
| 2.189 | 1111.4 | 0.0274583431119456 |
| 2.131 | 1114.05 | 0.00685255198487711 |
| 2.116 | 1117.29 | -0.000708382526564372 |
| 2.118 | 1109.66 | 0.0023668639053256 |
| 2.113 | 1107.24 | 0.0040399239543725 |
| 2.104 | 1111.23 | 0.0255910309529614 |
| 2.052 | 1111.84 | -0.00170316301703177 |
| 2.055 | 1114.97 | 0.0105729038603394 |
| 2.034 | 1107.13 | -0.0256348826066124 |
| 2.087 | 1110.84 | -0.0176512120498939 |
| 2.125 | 1106.8 | -0.0191597414589105 |
| 2.166 | 1106.81 | -0.0145586897179254 |
| 2.198 | 1108.64 | -0.00249602904470164 |
| 2.204 | 1104.85 | -0.0215364120781527 |
| 2.252 | 1104.38 | -0.0257408609128273 |
| 2.312 | 1103.83 | -0.0126014523707818 |
| 2.341 | 1096.92 | 0.00149732620320868 |
| 2.338 | 1092.53 | -0.0143369175627241 |
| 2.372 | 1093.46 | 0.00979348520332132 |
| 2.349 | 1086.52 | 0.00277540563620835 |
| 2.342 | 1087.25 | -0.0182351708237266 |
| 2.386 | 1088.73 | 0.0140276301806588 |
| 2.353 | 1089.16 | 0.0122633390705681 |
| 2.324 | 1089.19 | -0.0169204737732657 |
| 2.364 | 1092.28 | -0.0307503075030751 |
| 2.439 | 1091.11 | 0.0196488294314382 |
| 2.392 | 1090.83 | -0.0156378600823046 |
| 2.430 | 1094.5 | 0.0171619924654669 |
| 2.389 | 1093.85 | -0.00603286873309773 |
| 2.404 | 1093.48 | 0.00501777127325946 |
| 2.392 | 1093.54 | 0.00758373709711407 |
| 2.374 | 1093.2 | 0.017577706323687 |
| 2.333 | 1094.47 | 0.0207877461706783 |
| 2.285 | 1091.59 | -0.00261894369271051 |
| 2.291 | 1089.33 | 0.0150642445724412 |
| 2.257 | 1086.25 | -0.024210981409425 |

| | | |
|-------|---------|-----------------------|
| 2.313 | 1087.09 | -0.00172637030643073 |
| 2.317 | 1085.88 | 0.0171202809482002 |
| 2.278 | 1085.53 | 0.0435180943655521 |
| 2.183 | 1087.78 | -0.00862851952770215 |
| 2.202 | 1088.16 | 0.0114836931557188 |
| 2.177 | 1088.37 | -0.0228904847396769 |
| 2.228 | 1087.22 | -0.0210896309314585 |
| 2.276 | 1081.57 | 0.000879507475813448 |
| 2.274 | 1081.57 | 0.00932090545938744 |
| 2.253 | 1080.52 | -0.00177226406734604 |
| 2.257 | 1077.25 | 0.00445037828215409 |
| 2.247 | 1079.54 | -0.001333333333333338 |
| 2.250 | 1079.12 | 0.0171790235081373 |
| 2.212 | 1076.39 | 0.0350959288722509 |
| 2.137 | 1078.14 | 0.0166508087535681 |
| 2.102 | 1079.29 | 0.0288790993636807 |
| 2.043 | 1080.02 | -0.0417448405253283 |
| 2.132 | 1080.25 | -0.00373831775700935 |
| 2.140 | 1081.75 | -0.0147329650092081 |
| 2.172 | 1083.14 | -0.00776610324349013 |
| 2.189 | 1086.45 | 0.024812734082397 |
| 2.136 | 1084.39 | -0.0179310344827585 |
| 2.175 | 1081.34 | -0.020711391265196 |
| 2.221 | 1076.41 | 0.0132299270072992 |
| 2.192 | 1077.29 | 0.000456412596987829 |
| 2.191 | 1075.04 | 0.0204937121564975 |
| 2.147 | 1076.41 | 0.0127358490566036 |
| 2.120 | 1075.03 | -0.0134946486738017 |
| 2.149 | 1073.74 | -0.0032467532467533 |
| 2.156 | 1068.72 | 0.0276453765490945 |
| 2.098 | 1065.34 | -0.0232774674115457 |
| 2.148 | 1064.11 | -0.0105941962229386 |
| 2.171 | 1062.48 | |
| 2.171 | 1064.12 | -0.0167572463768118 |
| 2.208 | 1065.16 | -0.00405953991880916 |
| 2.217 | 1065.69 | -0.025065963060686 |
| 2.274 | 1068.38 | -0.0273738237810094 |
| 2.338 | 1070.86 | 0.0209606986899564 |
| 2.290 | 1069.02 | 0.0035056967572305 |
| 2.282 | 1067.42 | 0.0124223602484472 |
| 2.254 | 1072.45 | -0.0109697235629662 |
| 2.279 | 1071.08 | 0.0133392618941751 |
| 2.249 | 1072.61 | 0.0107865168539326 |
| 2.225 | 1072.93 | -0.00890868596881961 |
| 2.245 | 1068.96 | 0.0199909132212631 |
| 2.201 | 1072.32 | -0.00632054176072225 |
| 2.215 | 1072.3 | -0.0173025732031944 |
| 2.254 | 1070.32 | -0.00177147918511958 |

| | | |
|-------|---------|-----------------------|
| 2.258 | 1075.36 | -0.0017683465959328 |
| 2.262 | 1069.2 | 0.0390445567294442 |
| 2.177 | 1065.73 | -0.00229147571035742 |
| 2.182 | 1064.55 | -0.0193258426966293 |
| 2.225 | 1059.85 | 0.0013501350135014 |
| 2.222 | 1060.08 | -0.0207139709122962 |
| 2.269 | 1059.1 | -0.00132042253521112 |
| 2.272 | 1057.87 | 0.0417239798257679 |
| 2.181 | 1054.05 | -0.000458295142071444 |
| 2.182 | 1053.47 | 0.0101851851851851 |
| 2.160 | 1053.19 | -0.0391459074733096 |
| 2.248 | 1052.16 | -0.0234578627280625 |
| 2.302 | 1054.83 | -0.0170794192997438 |
| 2.342 | 1049.73 | -0.00762711864406771 |
| 2.360 | 1050.29 | -0.0178942987931753 |
| 2.403 | 1052.08 | -0.00414421881475333 |
| 2.413 | 1052.2 | -0.011875511875512 |
| 2.442 | 1052.42 | 0.00164068908941756 |
| 2.438 | 1051.62 | -0.0181232380185259 |
| 2.483 | 1051.72 | 0.00812017864393017 |
| 2.463 | 1051.16 | 0.0215678141849855 |
| 2.411 | 1054.4 | -0.00413052457662114 |
| 2.421 | 1056.55 | -0.00452302631578952 |
| 2.432 | 1061.22 | -0.0153846153846155 |
| 2.470 | 1061.51 | -0.0104166666666666 |
| 2.496 | 1063.96 | 0.0101173613921489 |
| 2.471 | 1064.22 | -0.0256309148264984 |
| 2.536 | 1061.29 | -0.00937500000000001 |
| 2.560 | 1065.27 | 0.0162763001190949 |
| 2.519 | 1061.98 | -0.00513428120063187 |
| 2.532 | 1061.62 | -0.0205029013539652 |
| 2.585 | 1060.73 | 0.0101602188354825 |
| 2.559 | 1064.23 | -0.0191644308164047 |
| 2.609 | 1056.07 | 0.00153550863723609 |
| 2.605 | 1049.86 | 0.0482897384305836 |
| 2.485 | 1055.78 | 0.0130452507134122 |
| 2.453 | 1048.9 | 0.000815993472052134 |
| 2.451 | 1045.44 | 0.0165906262961427 |
| 2.411 | 1046.59 | -0.00413052457662114 |
| 2.421 | 1045.31 | 0.00498132004981321 |
| 2.409 | 1044.12 | -0.00577796120511772 |
| 2.423 | 1039.86 | 0.00832292967124429 |
| 2.403 | 1041.16 | 0.00459866220735791 |
| 2.392 | 1041.92 | -0.00870285951098214 |
| 2.413 | 1039.39 | 0.0237590156979209 |
| 2.357 | 1041.33 | -0.0545527476935418 |
| 2.493 | 1042.4 | -0.0165680473372782 |
| 2.535 | 1043.63 | -0.0331807780320365 |

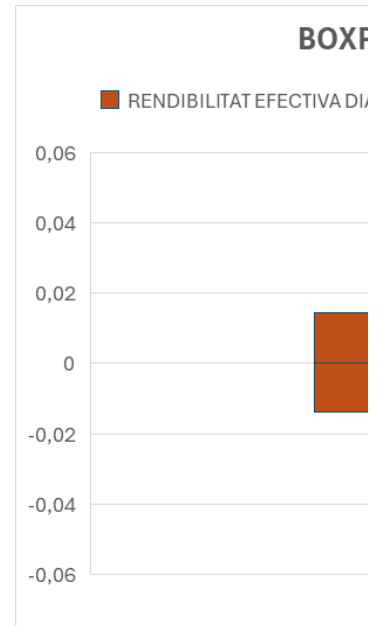
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| 2.622 | 1042.33 | -0.0194465220643231 |
| 2.674 | 1041.5 | 0.0221712538226299 |
| 2.616 | 1041.59 | 0.0295159386068478 |
| 2.541 | 1043.12 | 0.0172137710168133 |
| 2.498 | 1044.31 | -0.0161480897991335 |
| 2.539 | 1042.89 | -0.0177949709864603 |
| 2.585 | 1042.37 | -0.0237915407854986 |
| 2.648 | 1045.42 | -0.00263653483992455 |
| 2.655 | 1044.77 | -0.0104360790160268 |
| 2.683 | 1047.16 | 0.0363074546156817 |
| 2.589 | 1045.91 | 0.0164899882214369 |
| 2.547 | 1043.8 | -0.0139372822299652 |
| 2.583 | 1041.17 | -0.0065384615384615 |
| 2.600 | 1041.96 | 0.0264508487958943 |
| 2.533 | 1039.82 | 0.0103709613083366 |
| 2.507 | 1044.41 | -0.00987361769352287 |
| 2.532 | 1045.52 | 0.0067594433399602 |
| 2.515 | 1042.18 | 0.0286298568507159 |
| 2.445 | 1044.83 | 0.00907965332232761 |
| 2.423 | 1045.73 | -0.0464384100747737 |
| 2.541 | 1049.26 | 0.0131578947368421 |
| 2.508 | 1046.86 | -0.00476190476190477 |
| 2.520 | 1047.61 | 0.00880704563650913 |
| 2.498 | 1046.07 | 0.0150345388053638 |
| 2.461 | 1050.09 | 0.0165220983064849 |
| 2.421 | 1051.47 | -0.0226079935405733 |
| 2.477 | 1051.38 | -0.0131474103585657 |
| 2.510 | 1045.41 | -0.0168429298864082 |
| 2.553 | 1045.25 | -0.0114230396902227 |
| 2.583 | 1036.94 | 0.000193648334624387 |
| 2.582 | 1040.78 | 0.0213607594936708 |
| 2.528 | 1043.27 | -0.0178710178710178 |
| 2.574 | 1038.66 | -0.0190548780487806 |
| 2.624 | 1045.61 | 0.014694508894045 |
| 2.586 | 1049.56 | 0.0319233838786912 |
| 2.506 | 1046.89 | 0.00602167804094728 |
| 2.491 | 1044.74 | -0.00558882235528934 |
| 2.505 | 1041.36 | 0.00481347773766547 |
| 2.493 | 1045.11 | 0.00890327802509097 |
| 2.471 | 1042.96 | -0.00603378921962998 |
| 2.486 | 1037.22 | 0.0213640098603123 |
| 2.434 | 1040.97 | 0.0322307039864292 |
| 2.358 | 1040.45 | -0.0476575121163166 |
| 2.476 | 1038.2 | 0.0193495265541376 |
| 2.429 | 1040.3 | 0.0257601351351351 |
| 2.368 | 1039.38 | -0.0295081967213115 |
| 2.440 | 1039.35 | 0.0166666666666667 |
| 2.400 | 1040.44 | 0.0173802458668927 |

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|-------|---------|-----------------------|
| 2.359 | 1039.94 | -0.0162635529608007 |
| 2.398 | 1037.51 | -0.00539195354624633 |
| 2.411 | 1041.01 | 0.0496299521114497 |
| 2.297 | 1035.22 | 0.00196292257360967 |
| 2.293 | 1037.59 | -0.000218054949847434 |
| 2.293 | 1036.4 | 0.000872981230903633 |
| 2.291 | 1040.33 | -0.0242759795570698 |
| 2.348 | 1038.1 | -0.0113684210526316 |
| 2.375 | 1038.37 | 0.0232658336923739 |
| 2.321 | 1037.32 | -0.0321100917431193 |
| 2.398 | 1035.07 | -0.0151950718685831 |
| 2.435 | 1036.69 | -0.00612244897959189 |
| 2.450 | 1037.8 | -0.00284900284900272 |
| 2.457 | 1039.56 | 0.00820681165367256 |
| 2.437 | 1037.98 | 0.00702479338842971 |
| 2.420 | 1044.82 | 0.0276008492569002 |
| 2.355 | 1041.79 | 0.0124677558039553 |
| 2.326 | 1045.73 | 0.0126251632564214 |
| 2.297 | 1047.05 | 0.0123402379903041 |
| 2.269 | 1043.52 | -0.0108979947689625 |
| 2.294 | 1044.07 | -0.0158730158730158 |
| 2.331 | 1047.49 | 0.00387596899224802 |
| 2.322 | 1044.71 | -0.0312891113892364 |
| 2.397 | 1048.85 | -0.00663075010360548 |
| 2.413 | 1051.38 | 0.00499791753436069 |
| 2.401 | 1046.66 | -0.0247766043866777 |
| 2.462 | 1044.06 | 0.0024429967426711 |
| 2.456 | 1042.26 | 0.0102838338132455 |
| 2.431 | 1039.96 | 0.0292125317527519 |
| 2.362 | 1037.31 | -0.0299794661190965 |
| 2.435 | 1037.58 | -0.00245800901269962 |
| 2.441 | 1035.77 | 0.0299578059071729 |
| 2.370 | 1032.52 | -0.0170053919535462 |
| 2.411 | 1036.73 | 0.004164931278634 |
| 2.401 | 1032.4 | 0.0203994900127495 |
| 2.353 | 1033.42 | 0.00212947189097118 |
| 2.348 | 1036.16 | -0.0183946488294315 |
| 2.392 | 1036.29 | 0.0109890109890109 |
| 2.366 | 1038.91 | -0.00588235294117638 |
| 2.380 | 1034.58 | 0.0101867572156197 |
| 2.356 | 1034.4 | 0.024793388429752 |
| 2.299 | 1034.3 | 0.000870700914235864 |
| 2.297 | 1035.22 | -0.0116179001721169 |
| 2.324 | 1037 | 0.0426200089726334 |
| 2.229 | 1038.13 | 0.0425631431244154 |
| 2.138 | 1035.26 | -0.0106432207311431 |
| 2.161 | 1039.29 | -0.0492740871095469 |

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| 2.273 | 1039.4 | 0.0151853506029479 |
| 2.239 | | -0.025250326512843 |
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| 2.334 | | -0.00638569604086851 |
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| 2.259 | | -0.01953125 |
| 2.304 | | -0.00130039011703516 |
| 2.307 | | 0.0145118733509234 |
| 2.274 | | 0.0261732851985559 |
| 2.216 | | 0.00773078672123709 |
| 2.199 | | 0.0261315912272515 |
| 2.143 | | -0.0289986406887177 |
| 2.207 | | -0.00271125169453241 |
| 2.213 | | 0.0109639104613979 |
| 2.189 | | 0.0310880829015543 |
| 2.123 | | -0.00933271115258963 |
| 2.143 | | 0.0185361216730037 |
| 2.104 | | 0.0431333663857215 |
| 2.017 | | -0.0241896468311564 |
| 2.067 | | 0.0230141054194506 |
| 2.021 | | |

| RENDIBILITAT EFECTIVA DIARIA BO | BO ALEMAN | BO BLAU |
|---------------------------------|------------|-----------|
| -0.00275514129044391 | 20.7435068 | 20.400729 |
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| 0.00273510711755576 | 6.67990357 | 20.643919 |
| 0.00045755504118015 | 20.3932293 | 20.747017 |
| 0.00017946555158721 | 14.0845658 | 20.739693 |
| -0.00395942262144151 | 18.7752426 | 20.127077 |
| 0.001064724513716 | 7.43385157 | 20.747926 |
| 0.000590868397493359 | 20.4149672 | 20.748989 |
| 0.00559061568793385 | 19.7909748 | 20.112638 |
| -0.00171654534016364 | 20.5658086 | 20.574786 |
| 0.0011696958790714 | 8.48714942 | 20.745985 |
| -0.00237870831650273 | 7.92782438 | 20.470545 |
| -0.00289987380178826 | 19.7429759 | 20.37187 |
| 0.00687598002991897 | 20.68734 | 19.735374 |
| 0.00218561468155059 | 20.6802123 | 20.695311 |
| -0.00359061580410897 | 20.4553408 | 20.218915 |
| -0.000548640092099493 | 9.02856278 | 20.700006 |
| -0.00280725041929389 | 20.5766462 | 20.390467 |
| 0.00708137255787479 | 18.2293966 | 19.667601 |
| -0.00333981491483905 | 8.0701856 | 20.277344 |
| 0.00365016263100828 | 13.1004651 | 20.521388 |
| -9.0349743858394E-06 | 12.1134779 | 20.732263 |
| -0.00165067109250988 | 15.0891707 | 20.58385 |
| 0.0034303299090376 | 20.4496009 | 20.555007 |
| 0.000425578152447346 | 10.5742519 | 20.746396 |
| 0.000498265131406269 | 8.0091589 | 20.747725 |
| 0.00629945666046736 | 16.2819111 | 19.91471 |
| 0.00401819629666929 | 20.7359537 | 20.459238 |
| -0.00085051122126101 | 15.2277308 | 20.674877 |
| 0.00638736516585066 | 18.5941384 | 19.888415 |
| -0.000671418716946441 | 20.639492 | 20.690397 |
| -0.00135938203227616 | 12.7184859 | 20.621075 |
| -0.000394799662124999 | 16.3698031 | 20.71086 |
| -2.75434038138183E-05 | 17.3643847 | 20.731427 |
| -0.0028289449591679 | 13.5770011 | 20.386152 |
| 0.00107230251761974 | 5.40389449 | 20.747807 |
| 0.000256685276349177 | 12.824496 | 20.742162 |
| -0.00335312928277759 | 14.4053226 | 20.274325 |
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| 0.000338369243150209 | 19.4845482 | 20.744409 |
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| 0.000311013538236295 | 19.4934399 | 20.743698 |
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| |
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| |
| MITJANA |
| MEDIANA |
| QUARTIL 1 |
| QUARTIL 3 |
| Rang intercuartilic |
| 1rQ -1,5*rang intercuartilic |
| 3rQ+1,5*rang intercuartilic |
| DESVIACIÓ TÍPICA |



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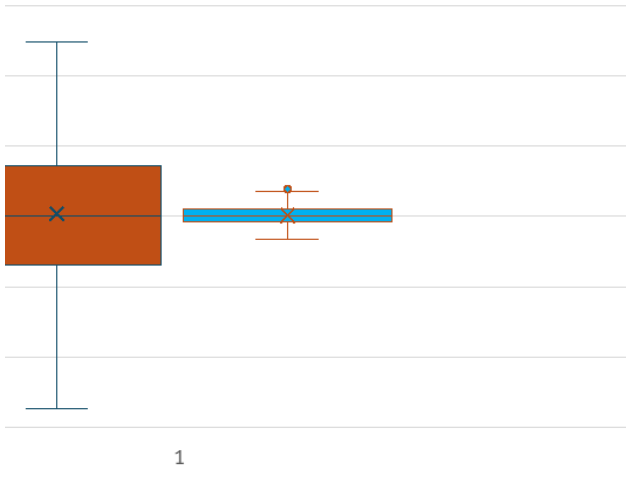
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| BO ALEMANY | BO BLAU |
|-------------|----------|
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PLOT RENDIBILITATS 2024

ARIA BO ALEMANY ■ RENDIBILITAT EFECTIVA DIARIA BO BLAU



Consciència Mediambiental

Una de les finalitats del nostre treball és saber les motivacions que té la gent per a invertir en actius sostenibles i l'impacte que té en la gestió de carteres dels petits inversors, també estem molt interessat dins d'aquestes inversions sostenibles en els bons blaus, que creiem que és molt interessant i que podria ser útil per a molta gent que no sap de l'existència d'aquests.

* Indica que la pregunta és obligatòria

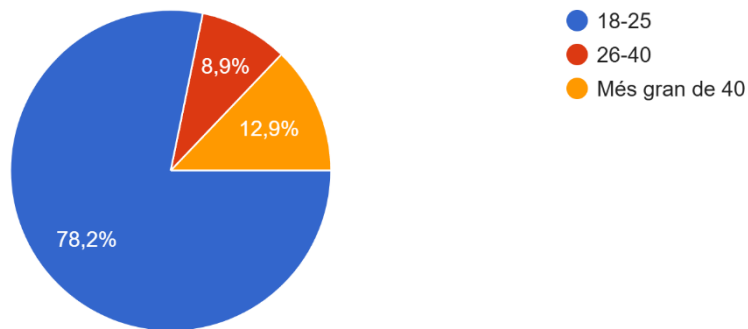
1. Edat *

Marqueu només un oval.

- 18-25
 26-40
 Més gran de 40

Edat

101 respostes



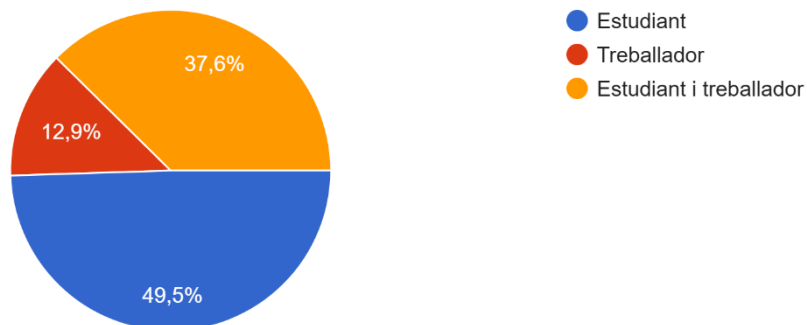
2. Quin és el vostre estat actual? *

Marqueu només un oval.

- Estudiant
 Treballador
 Estudiant i treballador

Quin és el vostre estat actual?

101 respostes



3. Has invertit mai en algun producte financer? *

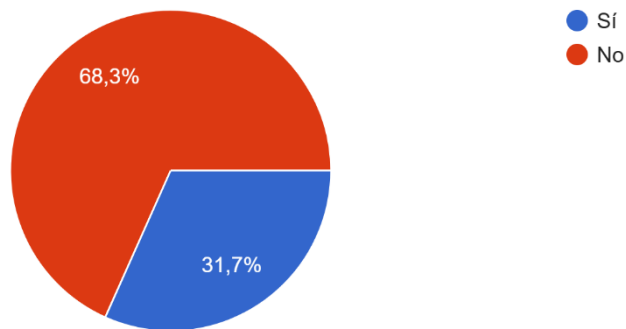
Marqueu només un oval.

Sí

No

Has invertit mai en algun producte financer?

101 respostes



4. Sabeu que són els actius ASG? *

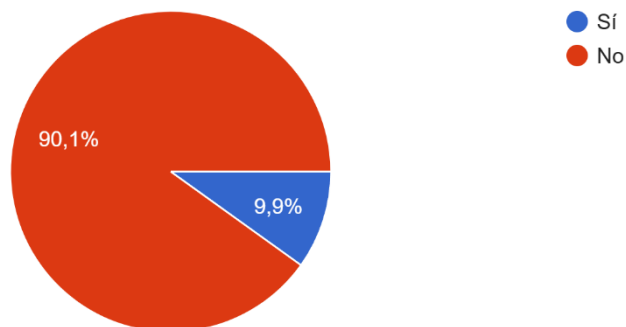
Marqueu només un oval.

Sí

No

Sabeu que són els actius ASG?

101 respostes



5. En cas afirmatiu, quins coneixeu?

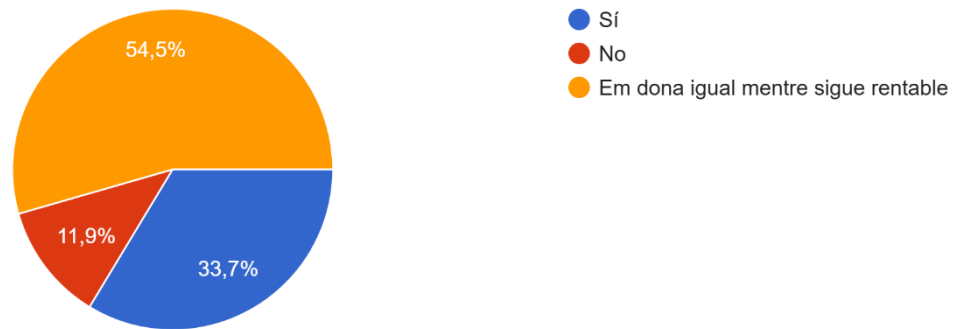
6. Si tinguessiu l'oportunitat, preferirieu invertir en actius financers amb finalitats ambientals, socials o governamentals respecte a actius tradicionals? *

Marqueu només un oval.

- Sí
- No
- Em dona igual mentre sigue rentable

Si tinguessiu l'oportunitat, preferirieu invertir en actius financers amb finalitats ambientals, socials o governamentals respecte a actius tradicionals?

101 respostes



7. Els productes financers amb finalitats ambientals, socials i governamentals ofereixen una rendibilitat menor. *

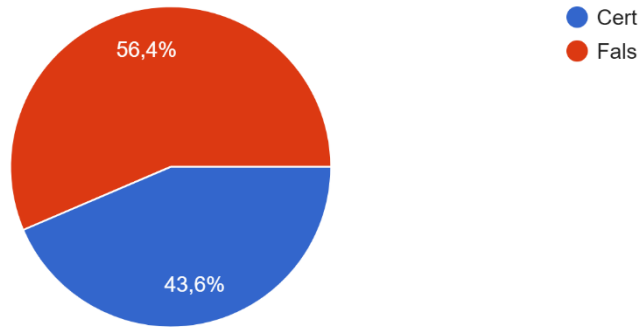
Marqueu només un oval.

Cert

Fals

Els productes financers amb finalitats ambientals, socials i governamentals ofereixen una rendibilitat menor.

101 respostes



8. Quines creus que son les característiques dels actius ASG? *

Seleccioneu totes les opcions que corresponguin.

Més rendibles que els tradicionals

Menys rendibles que els tradicionals

Tenen una finalitat ambiental, social o governamental

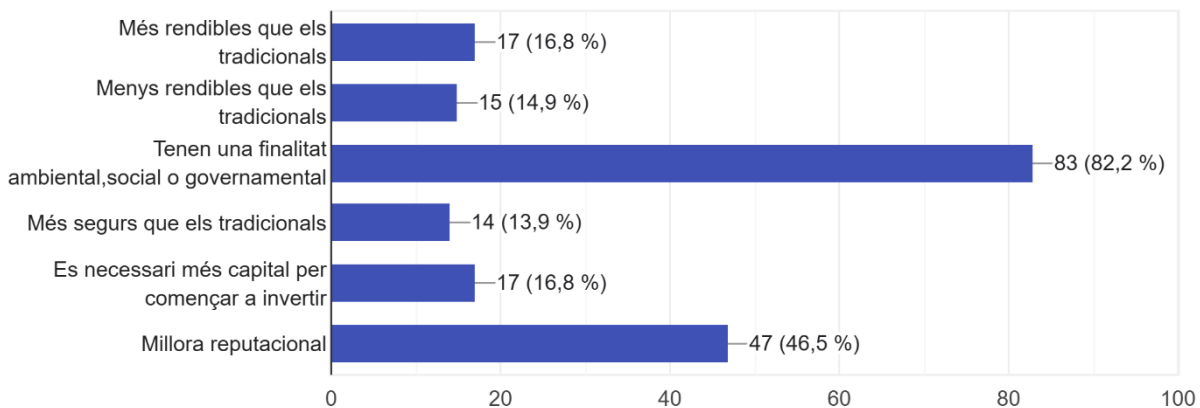
Més segurs que els tradicionals

Es necessari més capital per començar a invertir

Millora reputacional

Quines creus que son les característiques dels actius ASG?

101 respostes



9. Saps que son els bons blaus? *

Marqueu només un oval.

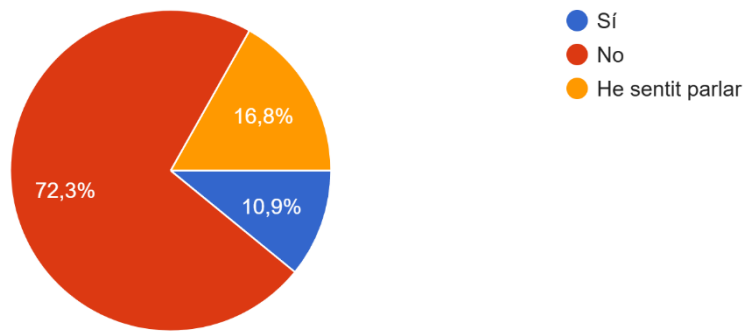
Sí

No

He sentit parlar

Saps que son els bons blaus?

101 respostes



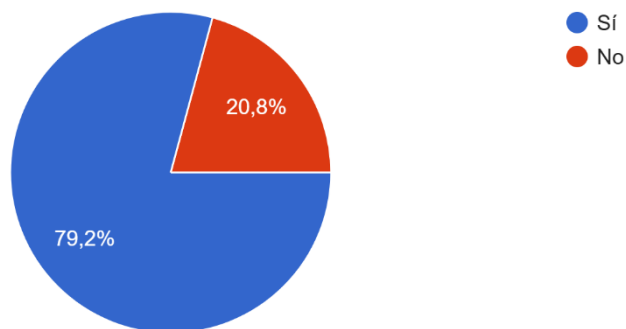
10. Creus que és important que hi hagi bons amb una finalitat de preservar l'ecosistema marí? *

Marqueu només un oval.

- Sí
- No

Creus que és important que hi hagi bons amb una finalitat de preservar l'ecosistema marí?

101 respostes



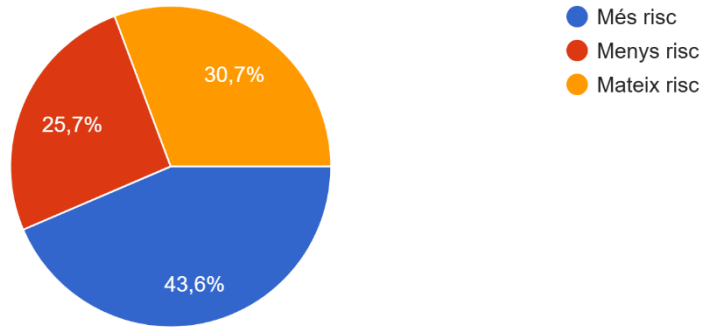
11. Com creus que es compara el risc dels bons blaus amb el dels bons governamentals? *

Marqueu només un oval.

- Més risc
- Menys risc
- Mateix risc

Com creus que es compara el risc dels bons blaus amb el dels bons governamentals?

101 respostes



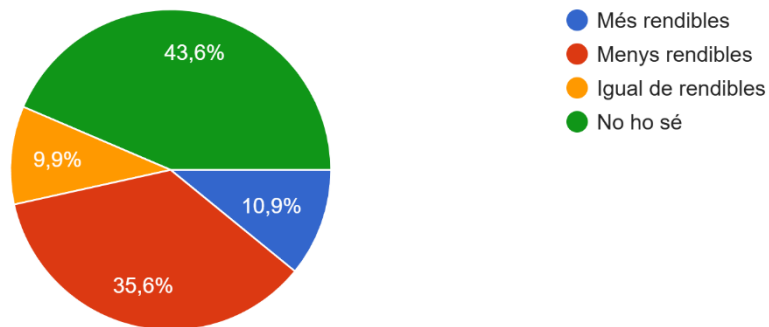
12. En termes de rendibilitat, com creus que es comparen els bons blaus amb accions de grans empreses? *

Marqueu només un oval. Més rendibles Menys rendibles Igual de rendibles

No ho sé

En termes de rendibilitat, com creus que es comparen els bons blaus amb accions de grans empreses?

101 respostes



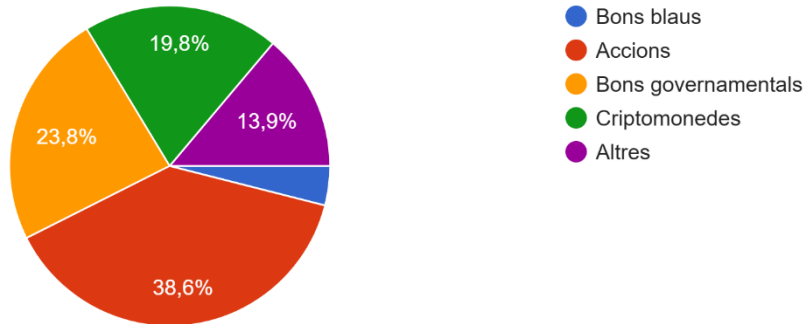
13. Si haguessis d'invertir, quina preferència tindries entre aquests actius? *

Marqueu només un oval.

- Bons blaus
- Accions
- Bons governamentals
- Criptomonedes
- Altres

Si haguessis d'invertir, quina preferència tindries entre aquests actius?

101 respostes



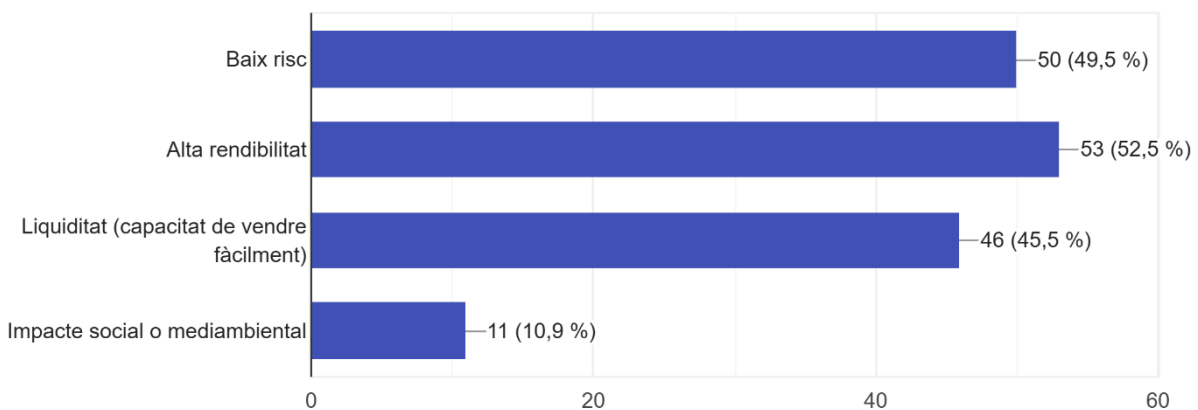
14. Quin factor consideres més important en una inversió? *

Seleccioneu totes les opcions que corresponguin.

- Baix risc
- Alta rendibilitat
- Liquiditat (capacitat de vendre fàcilment)
- Impacte social o mediambiental

Quin factor consideres més important en una inversió?

101 respostes



15. Creus que els bons blaus poden ser una bona opció per a petits inversors? *

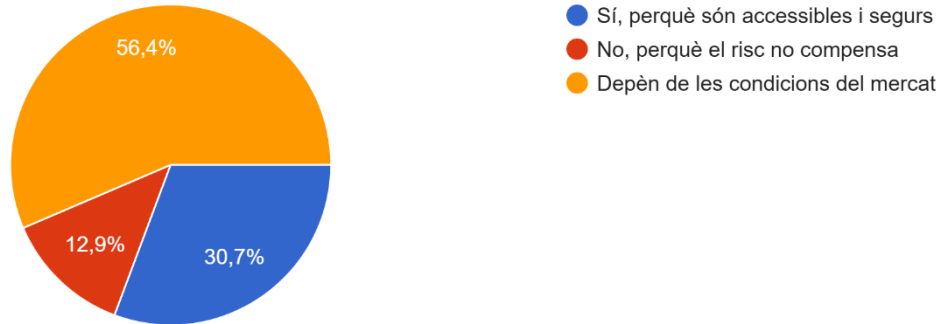
Marqueu només un oval.

- Sí, perquè són accessibles i segurs
- No, perquè el risc no compensa

Depèn de les condicions del mercat

Creus que els bons blaus poden ser una bona opció per a petits inversors?

101 respostes



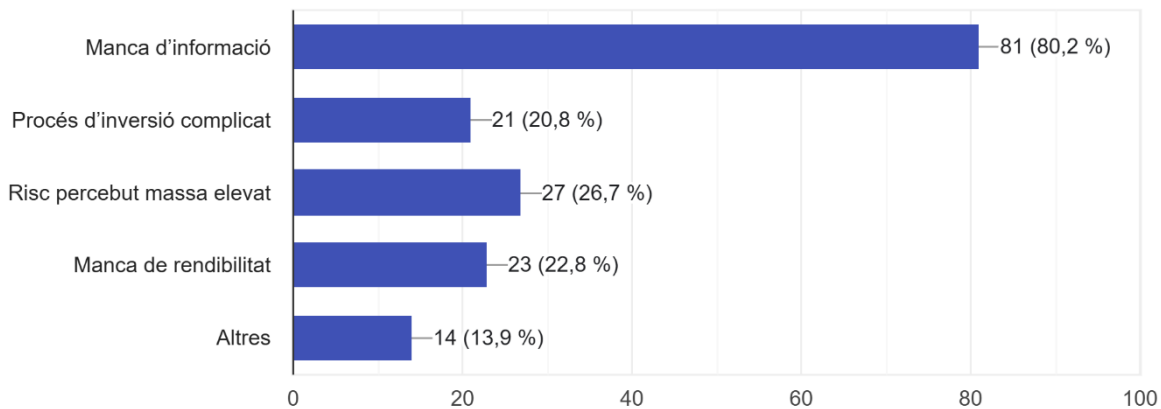
16. Quins obstacles podrien impedir que petits inversors hi participin? *

Seleccioneu totes les opcions que corresponguin.

- Manca d'informació
- Procés d'inversió complicat
- Risc percebut massa elevat
- Manca de rendibilitat
- Altres

Quins obstacles podrien impedir que petits inversors hi participin?

101 respostes



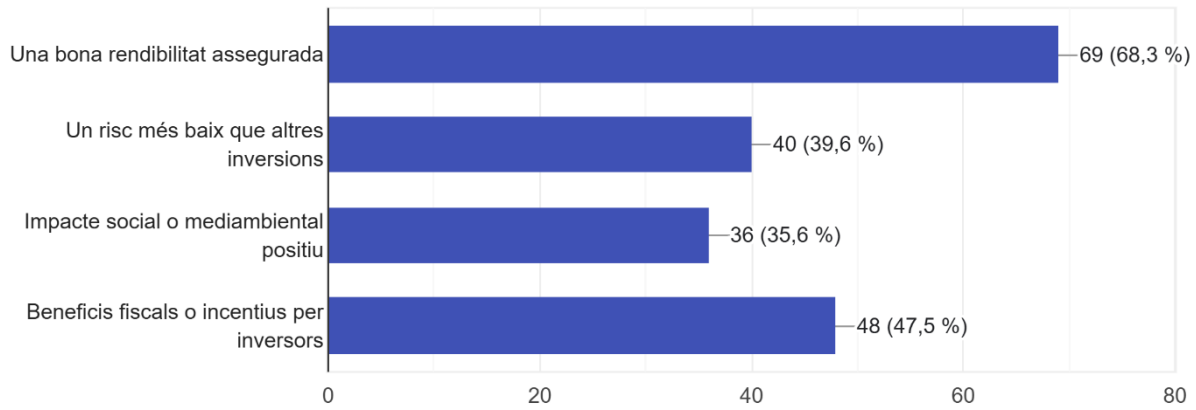
17. Què et motivaria a invertir en bons blaus? *

Seleccioneu totes les opcions que corresponguin.

- Una bona rendibilitat assegurada
- Un risc més baix que altres inversions
- Impacte social o mediambiental positiu
- Beneficis fiscals o incentius per inversors

Què et motivaria a invertir en bons blaus?

101 respostes



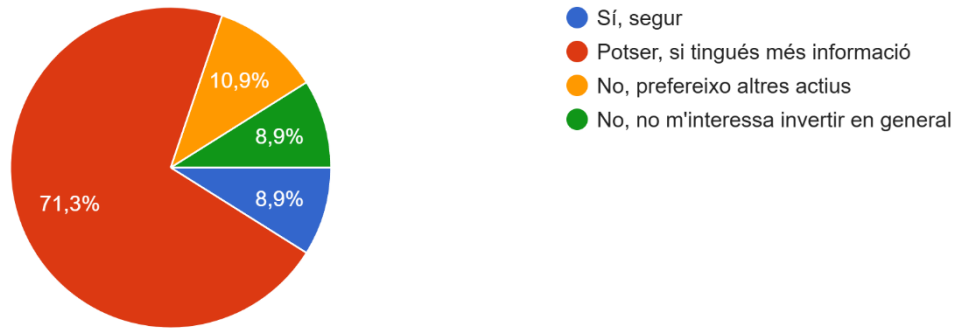
18. Si tinguessis diners per invertir, consideraries destinar una part als bons blaus? *

Marqueu només un oval.

- Sí, segur
- Potser, si tingués més informació
- No, prefereixo altres actius
- No, no m'interessa invertir en general

Si tinguessis diners per invertir, consideraries destinar una part als bons blaus?

101 respostes



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