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## MONTHLY NEWSLETTER, MAY 2023

4 JUNE 2023



@ARROWS\_SIX



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# Global Economy

Country	GDP	GDP YoY	GDP QoQ	Interest Rate	Inflation Rate	Jobless Rate	Gov. Budget	Debt/GDP	Current Account	Population
United States	23315	1.60	1.30	5.25	4.90	3.40	-5.80	129.00	-3.70	334.23
China	17734	4.50	2.20	3.65	0.10	5.20	-7.40	76.90	2.20	1411.75
Euro Area	14563	1.30	0.10	3.75	6.10	6.50	-3.60	91.50	-1.00	342.89
Japan	4941	1.30	0.40	-0.10	3.50	2.60	-6.40	263.90	1.90	124.95
Germany	4260	-0.50	-0.30	3.75	6.10	5.60	-2.60	66.30	4.20	84.30
India	3176	6.10	0.69	6.50	4.70	7.80	-6.44	89.26	-2.60	1373.76
United Kingdom	3131	0.20	0.10	4.50	8.70	3.90	-5.50	100.60	-5.60	67.53
France	2958	0.90	0.20	3.75	5.10	7.10	-4.70	111.60	-2.10	67.84
Italy	2108	1.90	0.60	3.75	7.60	7.80	-8.00	144.70	-1.30	58.98
Canada	1988	2.07	0.80	4.50	4.40	5.00	-3.60	112.80	-0.40	38.93
South Korea	1799	0.80	0.30	3.50	3.70	2.60	-7.00	49.60	3.20	51.63
Russia	1776	-1.90	-0.80	7.50	2.30	3.30	-2.30	18.20	10.30	145.60
Brazil	1609	4.00	1.90	13.75	4.18	8.50	-4.50	72.87	-2.92	214.83
Australia	1553	2.70	0.50	3.85	7.00	3.70	-1.40	22.30	2.30	25.77
Spain	1427	3.80	0.50	3.75	3.20	13.26	-4.80	113.20	0.60	47.43
Mexico	1273	3.70	1.00	11.25	6.25	2.40	-3.80	49.60	-0.90	129.00
Indonesia	1186	5.03	-0.92	5.75	4.33	5.45	-2.38	40.90	1.00	275.80
Netherlands	1013	1.90	-0.70	3.75	6.10	3.40	0.00	51.00	4.40	17.59
Saudi Arabia	834	3.90	-1.30	5.75	2.70	4.80	2.50	30.00	13.80	32.18
Turkey	819	4.00	0.30	8.50	43.68	10.00	-0.90	31.70	-5.40	85.28
Switzerland	801	0.60	0.30	1.50	2.60	2.00	-0.70	41.40	9.80	8.74
Taiwan	775	-2.87	-0.59	1.88	2.35	3.56	-0.50	28.20	14.80	23.26
Poland	679	-0.30	3.80	6.75	13.00	5.20	-3.70	49.10	-3.00	37.65
Sweden	636	0.80	0.60	3.50	10.50	7.50	0.70	33.00	4.30	10.45
Belgium	594	1.40	0.50	3.75	5.20	5.90	-3.90	105.10	-3.50	11.63

Source: [www.tradingeconomics.com](http://www.tradingeconomics.com), as of 2 June 2023 (GDP figures are provided in USD billion)

Macro Outlook	UK & US Economic Calendar – Key Events
<ul style="list-style-type: none"> <li>The divergence between the service and manufacturing sectors widened in May, painting a mixed picture of the global economy. The US services flash Purchasing Managers' Index (PMI) business survey for May rose to a 13-month high of 55.1 and both the eurozone and UK services flash PMIs remained above the 55 level, with anything above 50 indicating expansion. This momentum was supported by robust labour markets. Unemployment remained at or near historic lows in the eurozone (6.5%), UK (3.9%) and the US (3.4%) and wages are growing strongly.</li> </ul>	<ul style="list-style-type: none"> <li>2 June &gt; Non-Farm Payrolls</li> <li>2 June &gt; Unemployment Rate</li> <li>13 June &gt; Inflation Rate</li> <li>13 June &gt; Unemployment Rate</li> <li>14 June &gt; FED Interest Rate Decision</li> <li>14 June &gt; GDP Growth Rate YoY</li> <li>15 June &gt; Retail Sales MoM</li> </ul> <div>  United States   United States   United States   United Kingdom   United States   United Kingdom   United States </div>
Equities	Bonds
<ul style="list-style-type: none"> <li>US equities were relatively resilient with the S&amp;P 500 rising by 0.4%. Equity market leadership in the US is very narrow. The largest ten names in the S&amp;P 500 have accounted for nearly all the index's year-to-date return. Large tech companies outperformed the broader market, backed by strong earnings reports and growing investor expectations about the future potential of AI. In May, growth stocks outperformed value by 6.9 percentage points.</li> <li>After a strong run since October, Europe ex-UK equities fell 2.1% over the month.</li> <li>UK equities were hit by weak commodity prices. The FTSE All-Share Index fell 4.6% for the month, underperforming its peers.</li> <li>Chinese equities underperformed the MSCI Asia ex-Japan Index, which returned -1.8 % as Korean and Taiwanese tech stocks outperformed in May.</li> </ul>	<ul style="list-style-type: none"> <li>While the timing of a recession – and subsequent rate cuts – has been in question, US 10-year yields have remained range bound. Currently, yields are at 3.70%, which is close to the three-month median. However, the range is a moving target and tends to readjust when either of the extremes are broken through.</li> <li>UK Core CPI is now at its highest rate since March 1992. Markets re-priced rate expectations to a peak rate of 5.5%. This pushed yields higher and Gilts ended the month as one of the worst performers among government bonds.</li> <li>The nominal yield on the 10-year China Government Bond (CGB) remains low at 2.72%. This level is considerably lower than developed market equivalents, such as US Treasuries and UK Gilts, which have 10-year yields of 3.74% and 4.30%, respectively.</li> </ul>
Commodities	FX
<ul style="list-style-type: none"> <li>Commodity markets experienced some weakness. Oil ended the month down about 40% compared to last year. Price declines in industrial metals were also pronounced in May.</li> <li>Gold benefited from USD weakness and central bank buying.</li> </ul>	<ul style="list-style-type: none"> <li>Higher than expected inflation may make it hard for the Bank of England (BoE) to turn too dovish too quickly. This may keep the GBP in a broad upward trend over the next few months, according to some FX analysts.</li> </ul>

**Note: Past performance is no guarantee of future results**

# Global Markets Overview: Asset Class and Style Returns

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	May '23
Global REITS 23.0%	Small cap 32.9%	Global REITS 22.9%	Growth 3.5%	Small cap 13.3%	MSCI EM 37.8%	Global Agg -1.2%	Growth 34.1%	Growth 34.2%	Global REITS 32.6%	Cmdty 16.1%	Growth 19.9%	Growth 2.4%
MSCI EM 18.6%	Value 27.5%	Growth 6.5%	Global REITS 0.6%	Value 13.2%	Growth 28.5%	Global REITS -4.9%	DM Equities 28.4%	MSCI EM 18.7%	Cmdty 27.1%	Value -5.8%	DM Equities 8.8%	DM Equities -0.9%
Small cap 18.1%	DM Equities 27.4%	DM Equities 5.5%	Small cap 0.1%	Cmdty 11.8%	Small cap 23.2%	Growth -6.4%	Small cap 26.8%	DM Equities 16.5%	Value 22.8%	Global Agg -16.2%	Small cap 1.5%	MSCI EM -1.7%
Growth 16.6%	Growth 27.2%	Value 4.4%	DM Equities -0.3%	MSCI EM 11.6%	DM Equities 23.1%	DM Equities -8.2%	Global REITS 24.4%	Small cap 16.5%	DM Equities 22.3%	DM Equities -17.7%	Global Agg 1.4%	Global Agg -2.0%
DM Equities 16.5%	Global REITS 2.3%	Small cap 2.3%	Global Agg -3.2%	DM Equities 8.2%	Value 18.0%	Value -10.1%	Value 22.7%	Global Agg 9.2%	Growth 21.4%	Small cap -18.4%	MSCI EM 1.2%	Small cap -2.7%
Value 16.4%	MSCI EM -2.3%	Global Agg 0.6%	Value -4.1%	Global REITS 6.5%	Global REITS 8.0%	Cmdty -11.2%	MSCI EM 18.9%	Value -0.4%	Small cap 16.2%	MSCI EM -19.7%	Global REITS -0.7%	Global REITS -3.8%
Global Agg 4.3%	Global Agg -2.6%	MSCI EM -1.8%	MSCI EM -14.6%	Growth 3.2%	Global Agg 7.4%	Small cap -13.5%	Cmdty 7.7%	Cmdty -3.1%	MSCI EM -2.2%	Global REITS -23.7%	Value -1.5%	Value -4.5%
Cmdty -1.1%	Cmdty -9.5%	Cmdty -17.0%	Cmdty -24.7%	Global Agg 2.1%	Cmdty 1.7%	MSCI EM -14.2%	Global Agg 6.8%	Global REITS -10.4%	Global Agg -4.7%	Growth -29.1%	Cmdty -11.4%	Cmdty -5.6%

- Source: JP Morgan Asset Management, <https://am.jpmorgan.com/gb/en/asset-management/adv/insights/market-insights/monthly-market-review/>
- 3 June 2023

# Global Stock Markets – Americas

## AMERICAS

May 01 - -



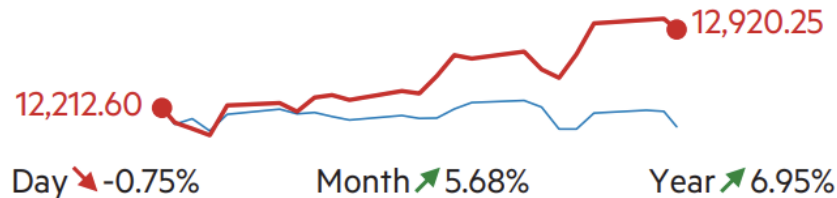
S&P 500

New York



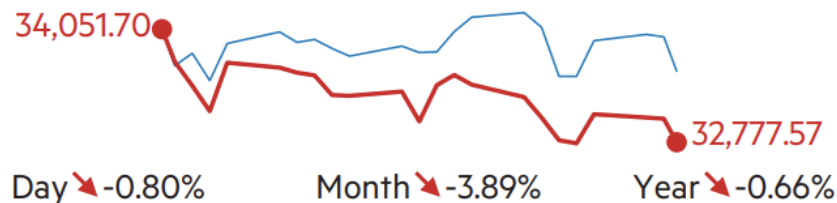
Nasdaq Composite

New York



Dow Jones Industrial

New York

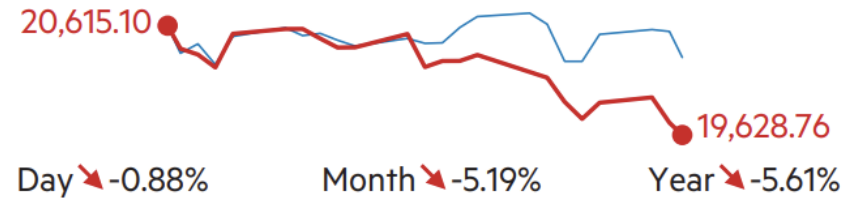


May 01 - May 31



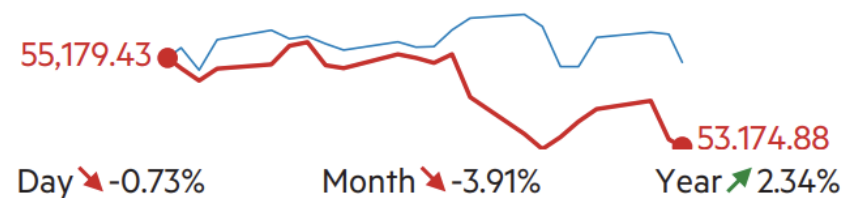
S&P/TSX COMP

Toronto



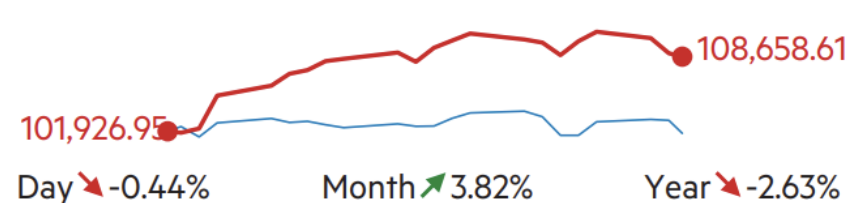
IPC

Mexico City



Bovespa

São Paulo



- Source: Financial Times
- All figures are as of 31 May 2023
- Monthly figures represent the period between 01 May and 31 May 2023

# Global Stock Markets – Europe

## EUROPE

May 01 - May 31

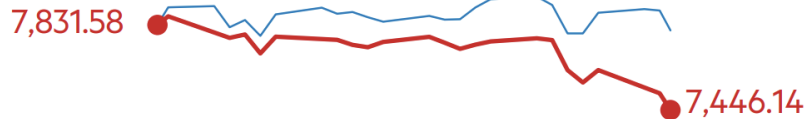
Index

All World



FTSE 100

London



Day ▼ -1.01%

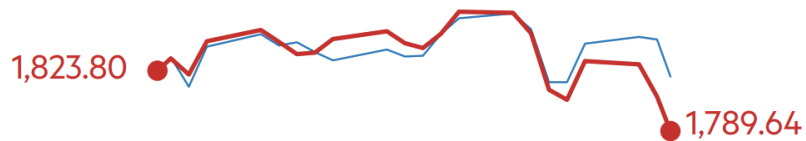
Month ▼ -5.37%

Year ▼ -2.10%



FTSE Eurofirst 300

Europe



Day ▼ -1.08%

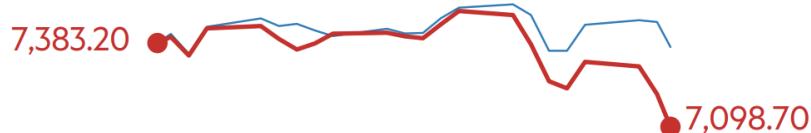
Month ▼ -3.12%

Year ▲ 3.00%



CAC 40

Paris



Day ▼ -1.54%

Month ▼ -5.24%

Year ▲ 8.17%

May 01 - May 31

Index

All World



Xetra Dax

Frankfurt



Day ▼ -1.54%

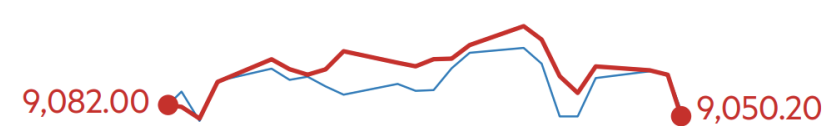
Month ▼ -3.03%

Year NaN%



Ibex 35

Madrid



Day ▼ -1.28%

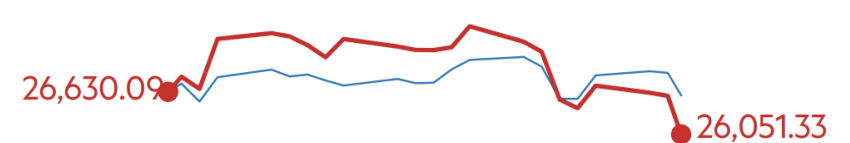
Month ▼ -2.06%

Year ▲ 1.34%



FTSE MIB

Milan



Day ▼ -1.97%

Month ▼ -3.79%

Year ▲ 5.01%

- Source: Financial Times
- All figures are as of 31 May 2023
- Monthly figures represent the period between 01 May and 31 May 2023

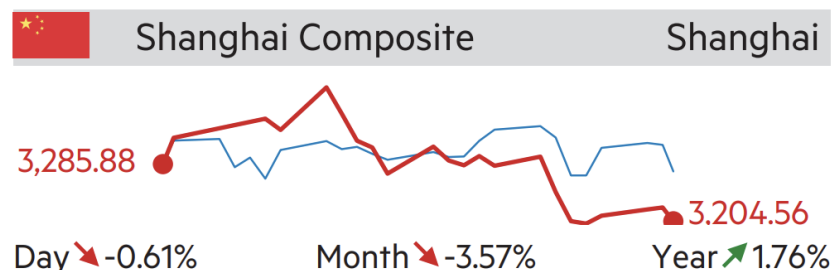
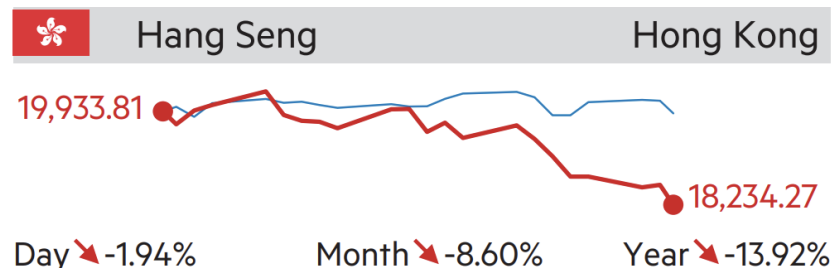
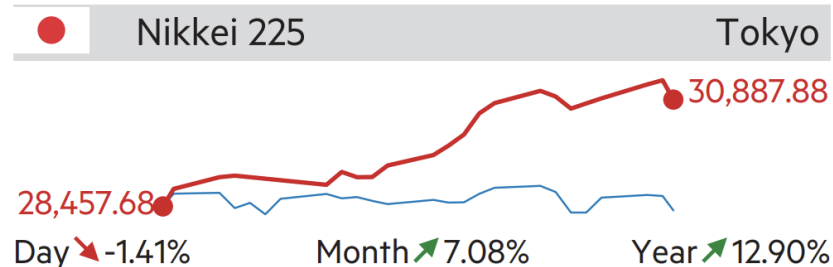


# Global Stock Markets – Asia

## ASIA

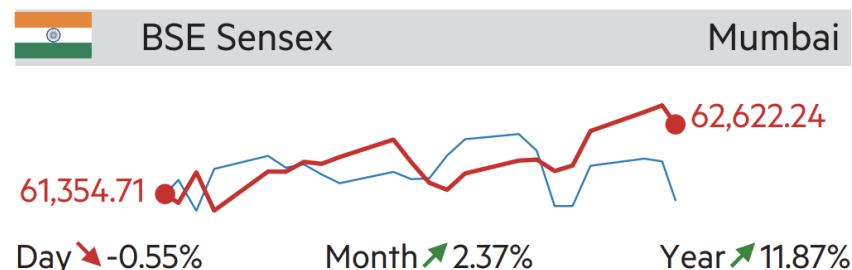
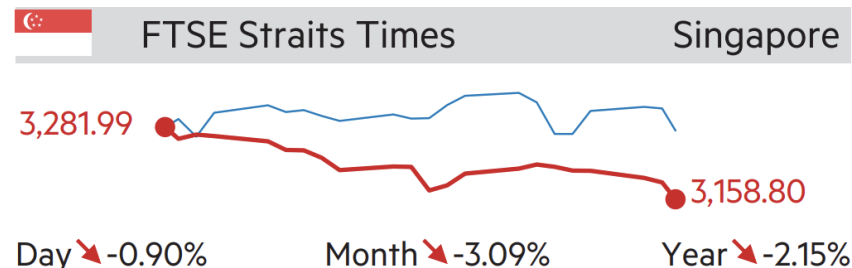
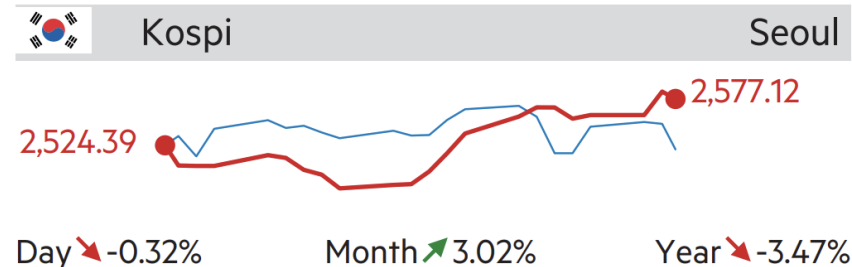
May 01 - May 31

Index All World



May 01 - May 31

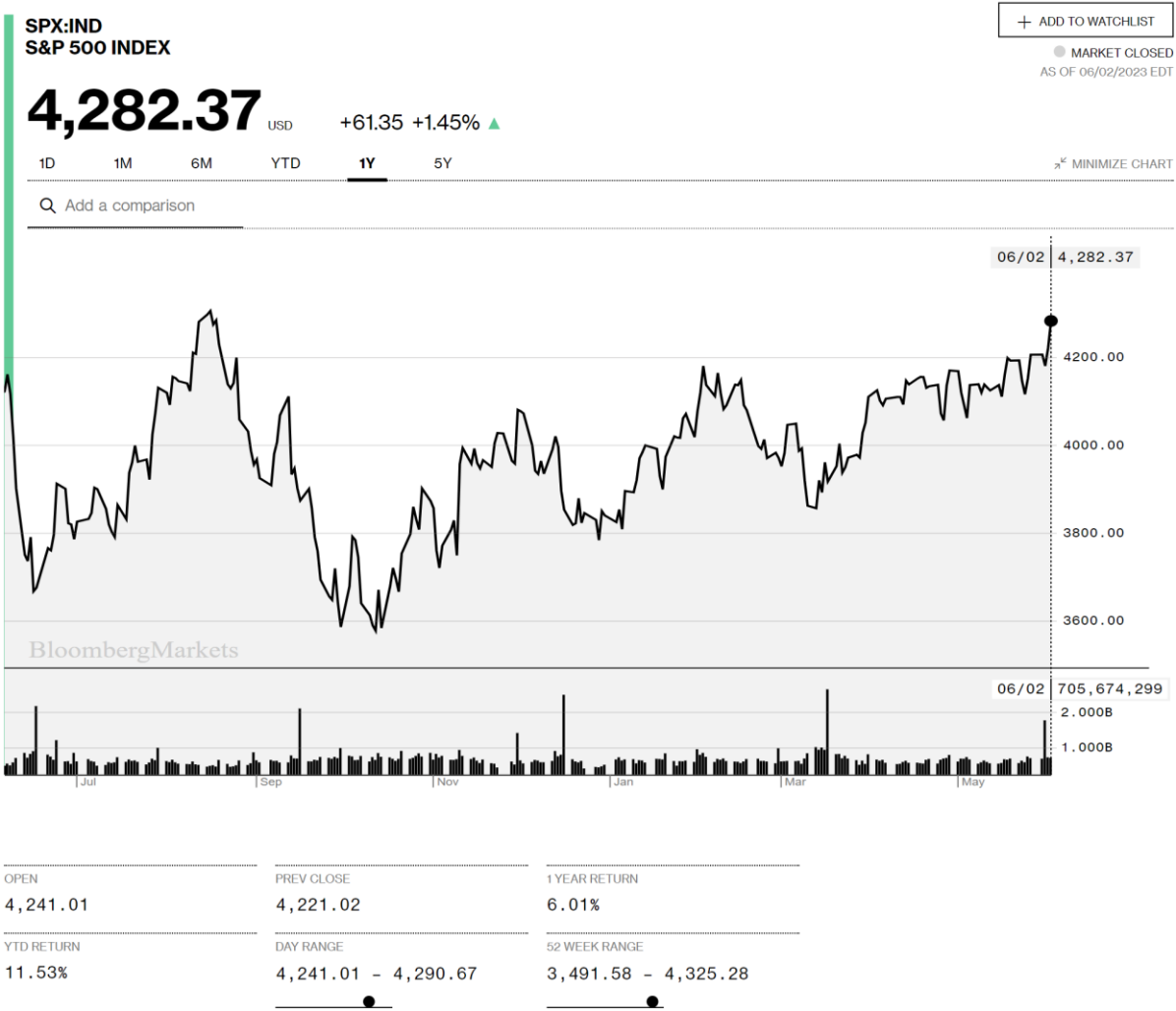
Index All World



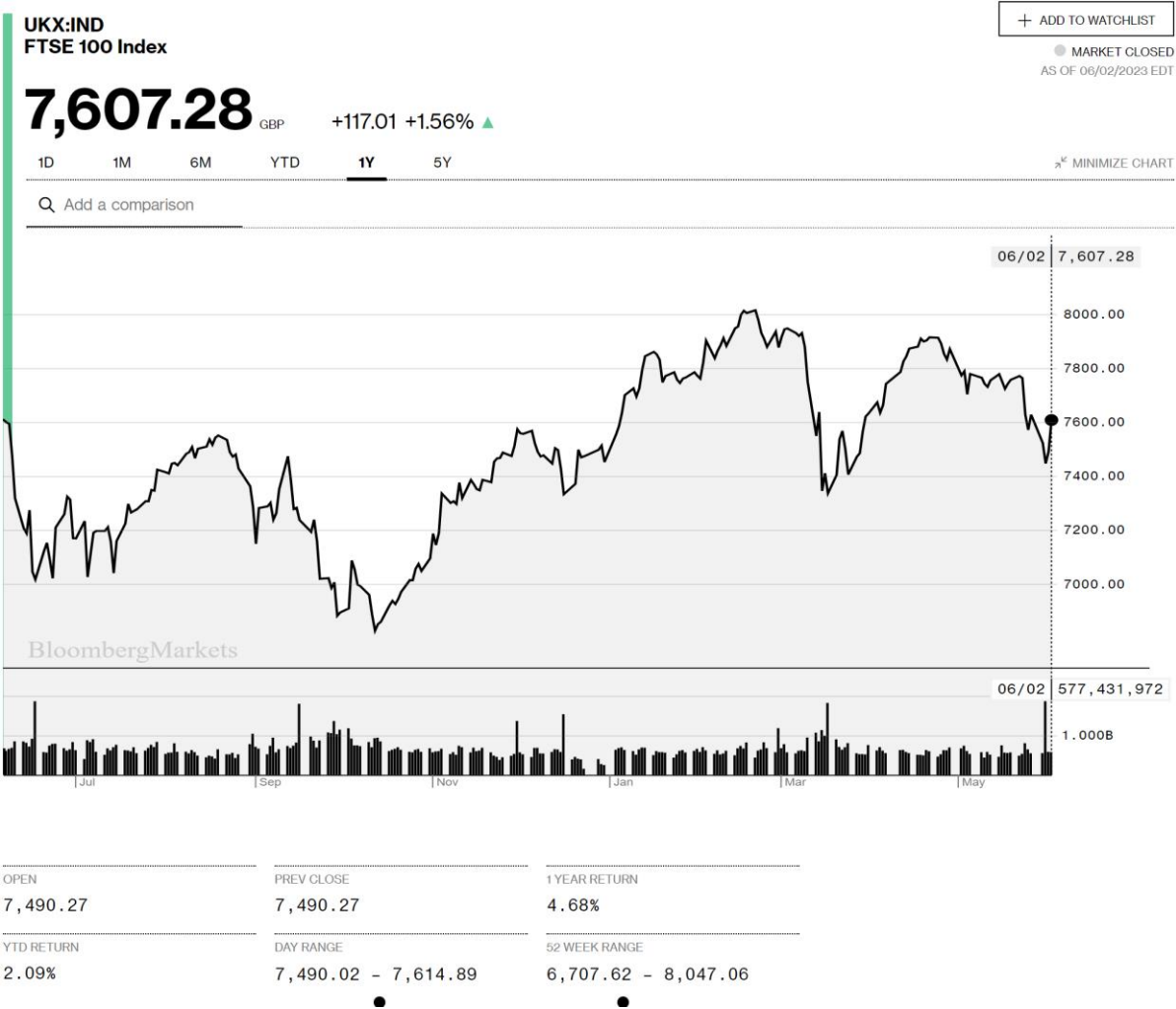
- Source: Financial Times
- All figures are as of 31 May 2023
- Monthly figures represent the period between 01 May and 31 May 2023



# US Stock Markets

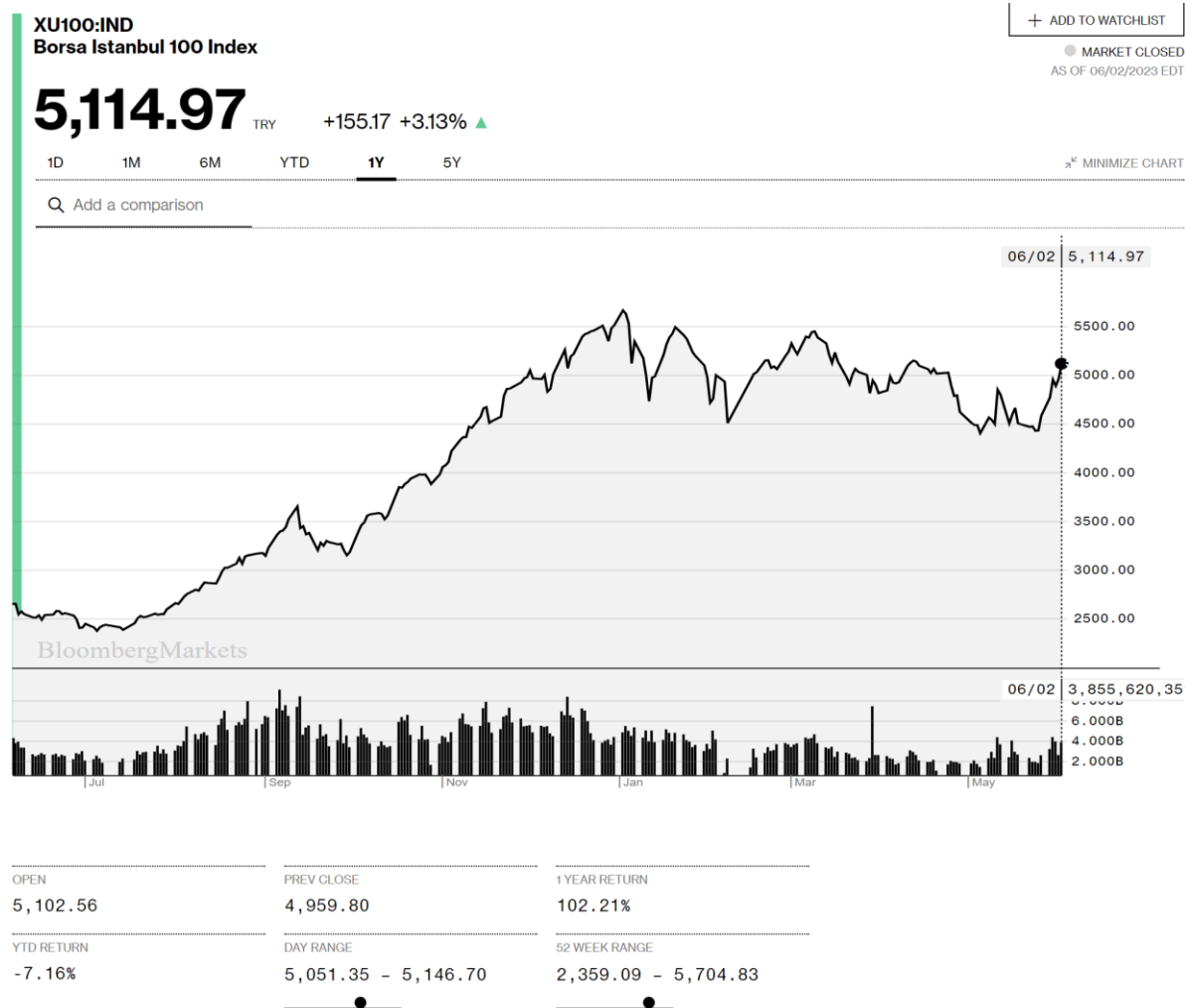


# UK Stock Markets



- Source: Bloomberg
- All figures are as of 3 June 2023

# Turkey Stock Markets



- Source: Bloomberg
- All figures are as of 3 June 2023

# Global Bond Markets – Americas

## Americas 10-Year Government Bond Yields

COUNTRY	YIELD	1 DAY	1 MONTH	1 YEAR	TIME (EDT)
United States »	3.69%	+10	+31	+76	6/2/2023
Canada	3.23%	+7	+44	+17	6/2/2023
Brazil	11.35%	-16	-76	-126	6/2/2023
Mexico	8.84%	+5	+11	+9	6/2/2023

- Source: Bloomberg
- All figures are as of 3 June 2023

# Global Bond Markets – Europe & Middle East & Africa

## Europe, Middle East & Africa 10-Year Government Bond Yields

COUNTRY	YIELD	1 DAY	1 MONTH	1 YEAR	TIME (EDT)
Germany »	2.31%	+7	+12	+104	6/2/2023
United Kingdom »	4.15%	+4	+50	+200	6/2/2023
France	2.85%	+5	+7	+106	6/2/2023
Italy	4.06%	-2	-5	+67	6/2/2023
Spain	3.31%	+3	+3	+88	6/2/2023
Netherlands	2.67%	+6	+12	+110	6/2/2023
Portugal	2.99%	+4	-5	+53	6/2/2023
Greece	3.66%	-1	-36	-3	6/2/2023
Switzerland	0.76%	0	-18	-19	6/2/2023

- Source: Bloomberg
- All figures are as of 3 June 2023

# Global Bond Markets – Asia Pacific

## Asia Pacific 10-Year Government Bond Yields

COUNTRY	YIELD	1 DAY	1 MONTH	1 YEAR	TIME (EDT)
Japan »	0.40%	-1	-1	+18	6/2/2023
Australia »	3.64%	+3	+34	+16	6/2/2023
New Zealand	4.30%	+0	+21	+64	6/2/2023
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Singapore	2.87%	0	+20	+7	6/2/2023
South Korea	3.49%	--	--	+9	6/2/2023
India	6.98%	+0	-4	-47	6/2/2023

- Source: Bloomberg
- All figures are as of 3 June 2023

# UK Bond Markets

## Gilt Yields

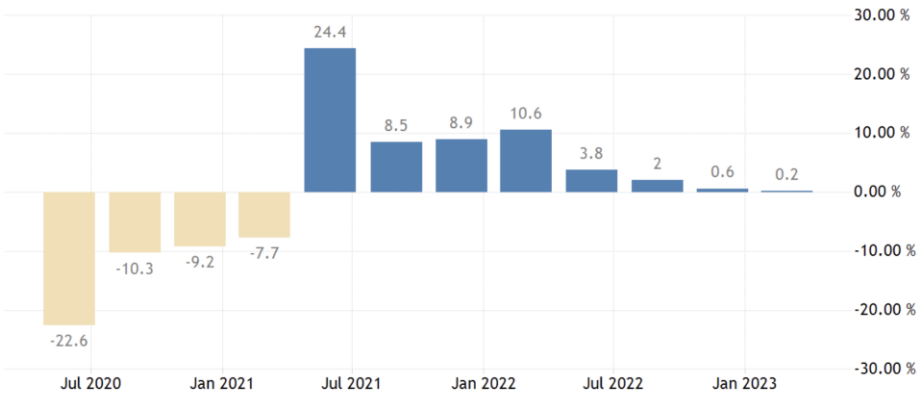
NAME	COUPON	PRICE	YIELD	1 DAY	1 MONTH	1 YEAR	TIME (EDT)
GTGBP2Y:GOV UK Gilt 2 Year Yield	0.63	92.92	4.33%	+7	+69	+268	6/2/2023
GTGBP5Y:GOV UK Gilt 5 Year Yield	1.63	88.18	4.09%	+5	+62	+233	6/2/2023
GTGBP10Y:GOV UK Gilt 10 Year Yield	3.25	92.88	4.15%	+4	+50	+200	6/2/2023
GTGBP30Y:GOV UK Gilt 30 Year Yield	3.75	88.02	4.47%	+2	+41	+206	6/2/2023

- Source: Bloomberg
- All figures are as of 3 June 2023



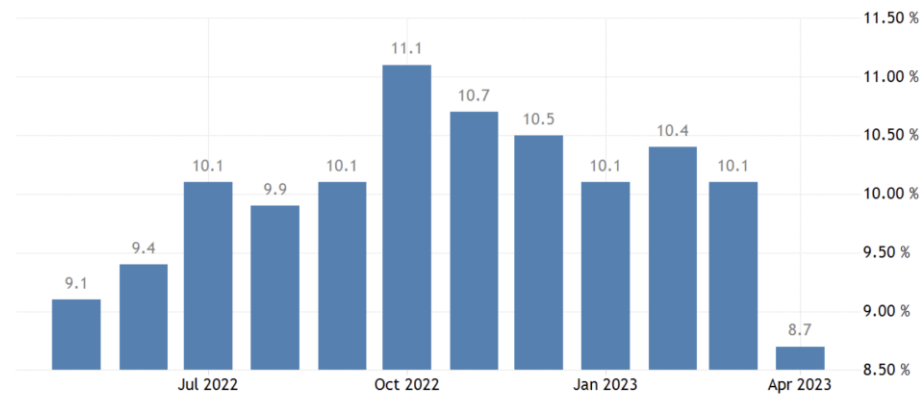
# UK Economy

Annual GDP Growth Rate



TRADINGECONOMICS.COM | OFFICE FOR NATIONAL STATISTICS

Annual Inflation Rate



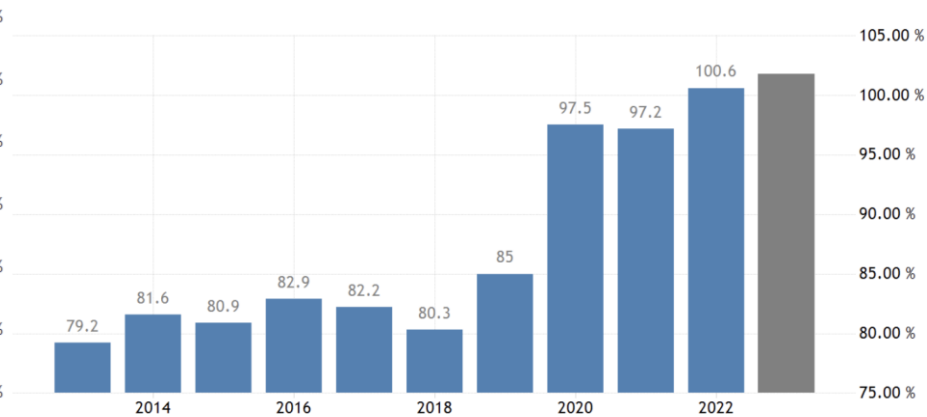
TRADINGECONOMICS.COM | OFFICE FOR NATIONAL STATISTICS

Unemployment Rate



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Government Debt / GDP

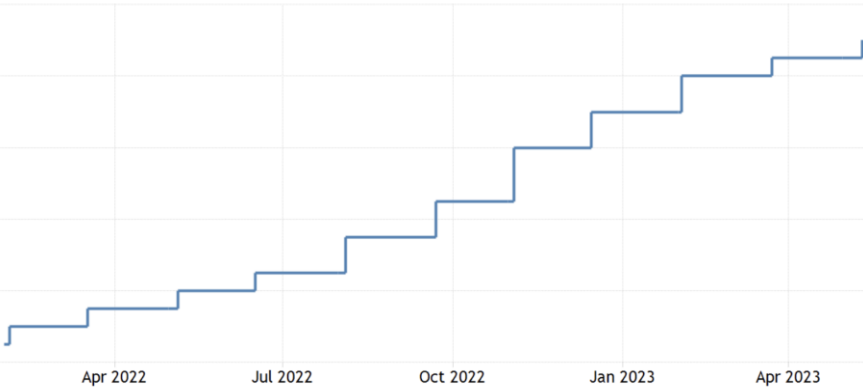


TRADINGECONOMICS.COM | OFFICE FOR BUDGET RESPONSIBILITY, UK

• Source: <https://tradingeconomics.com/united-kingdom>

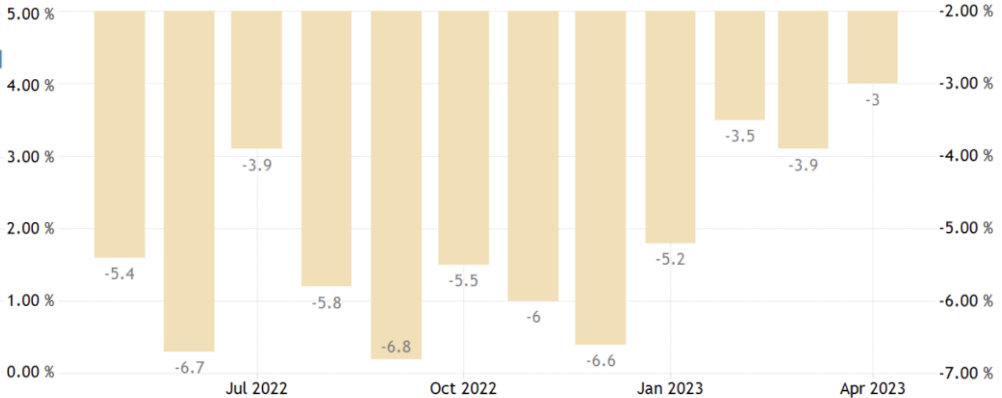
# UK Markets

Interest Rate



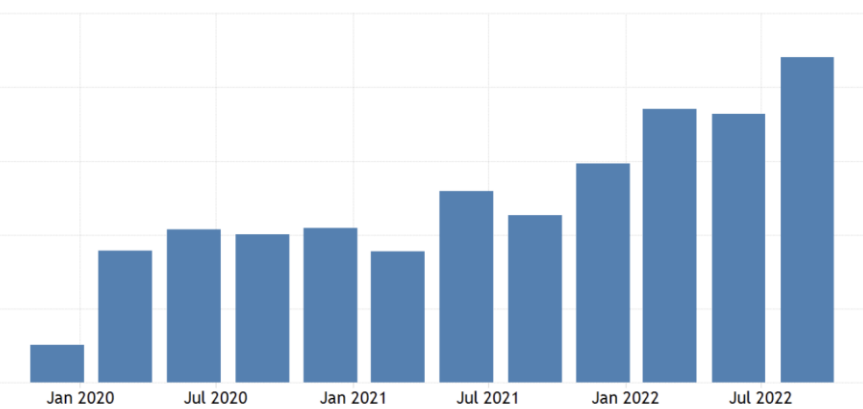
TRADINGECONOMICS.COM | BANK OF ENGLAND

Retail Sales YoY



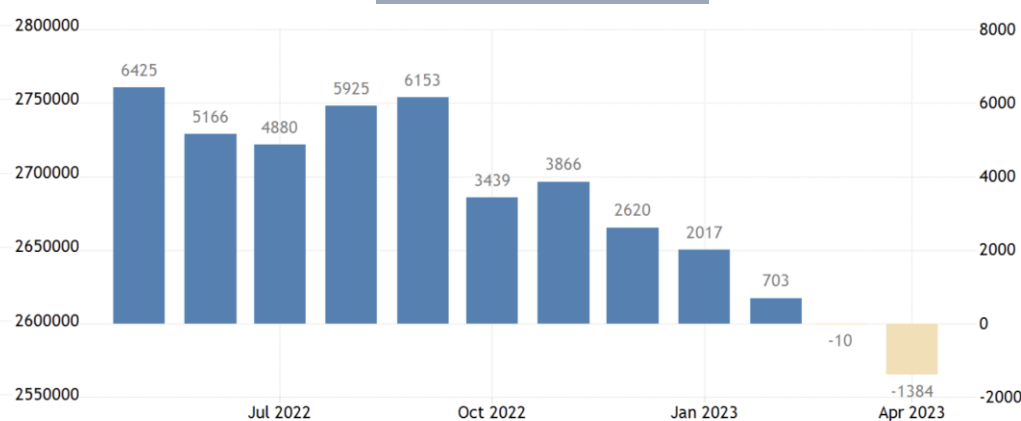
TRADINGECONOMICS.COM | OFFICE FOR NATIONAL STATISTICS

Loans to Private Sector



TRADINGECONOMICS.COM | BANK OF ENGLAND

Home Loans



TRADINGECONOMICS.COM | BANK OF ENGLAND

• Source: <https://tradingeconomics.com/united-kingdom>  
• Loan figures are in £ millions

# UK Mortgage Loans

## Competitive Market Benchmark (Indicative Only) – Page 1 of 5

Your mortgage options

Borrowing £300,000 and repaying over 25 years



5 year fixed [Full details](#)

<b>£1,600</b> Monthly payment for 60 months	<b>4.10%</b> Initial rate	<b>£649</b> Product fees	<b>£97,077</b> Initial term cost	<b>6.2%</b> APRC
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[Go to broker](#)

**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.2%. Total amount payable £602,812.40 includes interest of £301,742.40 product fees of £649 and other fees of £421. Repayments: 60 months of £1,600.12 at 4.10% (fixed), then 240 months of £2,107.23 at 7.49% (variable). Early repayment charges apply.



2 year discounted [Full details](#)

<b>£1,624</b> Monthly payment for 24 months	<b>4.24%</b> Initial rate	<b>£1,495</b> Product fees	<b>£40,935</b> Initial term cost	<b>7.2%</b> APRC
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[Go to broker](#)

**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.2%. Total amount payable £643,965.64 includes interest of £341,795.64 product fees of £1,495 and other fees of £675. Repayments: 24 months of £1,623.53 at 4.24% (variable), then 276 months of £2,184.17 at 7.54% (variable). Early repayment charges apply.



10 year fixed [Full details](#)

<b>£1,630</b> Monthly payment until 31/8/2033	<b>4.28%</b> Initial rate	<b>£999</b> Product fees	<b>£196,730</b> Initial term cost	<b>5.5%</b> APRC
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[Go to lender](#)

**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 5.5%. Total amount payable £566,864.74 includes interest of £265,765.74 product fees of £999 and other fees of £100. Repayments: 122 months of £1,630.26 at 4.28% (fixed), then 178 months of £2,061.09 at 7.99% (variable). Early repayment charges apply.



2 year discounted [Full details](#)

<b>£1,632</b> Monthly payment for 24 months	<b>4.29%</b> Initial rate	<b>£995</b> Product fees	<b>£40,637</b> Initial term cost	<b>7.2%</b> APRC
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[Go to broker](#)

**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.2%. Total amount payable £643,868.96 includes interest of £342,198.96 product fees of £995 and other fees of £675. Repayments: 24 months of £1,631.94 at 4.29% (variable), then 276 months of £2,184.90 at 7.54% (variable). Early repayment charges apply.



2 year discounted [Full details](#)

<b>£1,634</b> Monthly payment for 24 months	<b>4.30%</b> Initial rate	<b>£999</b> Product fees	<b>£40,556</b> Initial term cost	<b>7.5%</b> APRC
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[Go to broker](#)

**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.5%. Total amount payable £666,496.76 includes interest of £365,072.76 product fees of £999 and other fees of £425. Repayments: 24 months of £1,633.62 at 4.30% (variable), then 276 months of £2,267.63 at 7.99% (variable). Early repayment charges apply.

- The above quotes are indicative only, based on a hypothetical 25-year (repayment) mortgage loan scenario, where the property value is £500,000, and down payment is £200,000, as of 4 June 2023
- Source: <https://www.moneysupermarket.com/>

# UK Mortgage Loans

## Competitive Market Benchmark (Indicative Only) – Page 2 of 5

 <b>HALIFAX</b> 5 year fixed <a href="#">Full details</a>					
<b>£1,639</b> <small>Monthly payment until 31/8/2028</small>	<b>4.33%</b> <small>Initial rate</small>	<b>£999</b> <small>Product fees</small>	<b>£99,420</b> <small>Initial term cost</small>	<b>6.6%</b> <small>APRC</small>	<a href="#">Go to lender</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.6%. Total amount payable £624,531.20 includes interest of £323,432.20 product fees of £999 and other fees of £100. Repayments: 62 months of £1,638.68 at 4.33% (fixed), then 238 months of £2,192.58 at 7.99% (variable). Early repayment charges apply.					
 <b>Furness</b> 2 year discounted <a href="#">Full details</a>					
<b>£1,640</b> <small>Monthly payment for 24 months</small>	<b>4.34%</b> <small>Initial rate</small>	<b>£999</b> <small>Product fees</small>	<b>£40,388</b> <small>Initial term cost</small>	<b>7.2%</b> <small>APRC</small>	<a href="#">Go to broker</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.2%. Total amount payable £653,207.96 includes interest of £352,068.96 product fees of £999 and other fees of £140. Repayments: 24 months of £1,640.37 at 4.34% (variable), then 36 months of £2,042.18 at 6.74% (variable), then 240 months of £2,246.59 at 7.99% (variable). Early repayment charges apply.					
<b>first direct</b> 5 year fixed <a href="#">Full details</a>					
<b>£1,642</b> <small>Monthly payment for 60 months</small>	<b>4.35%</b> <small>Initial rate</small>	<b>£490</b> <small>Product fees</small>	<b>£99,014</b> <small>Initial term cost</small>	<b>6.0%</b> <small>APRC</small>	<a href="#">Call</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.0%. Total amount payable £587,828.80 includes interest of £287,338.80 product fees of £490 and other fees of £0. Repayments: 60 months of £1,642.06 at 4.35% (fixed), then 240 months of £2,036.73 at 6.99% (variable). Early repayment charges apply.					
<b>first direct</b> 10 year fixed <a href="#">Full details</a>					
<b>£1,642</b> <small>Monthly payment for 120 months</small>	<b>4.35%</b> <small>Initial rate</small>	<b>£490</b> <small>Product fees</small>	<b>£197,537</b> <small>Initial term cost</small>	<b>5.3%</b> <small>APRC</small>	<a href="#">Call</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 5.3%. Total amount payable £548,105.20 includes interest of £247,615.20 product fees of £490 and other fees of £0. Repayments: 120 months of £1,642.06 at 4.35% (fixed), then 180 months of £1,947.60 at 6.99% (variable). Early repayment charges apply.					
 <b>HALIFAX</b> 10 year fixed <a href="#">Full details</a>					
<b>£1,645</b> <small>Monthly payment until 31/8/2033</small>	<b>4.37%</b> <small>Initial rate</small>	<b>£0</b> <small>Product fees</small>	<b>£197,553</b> <small>Initial term cost</small>	<b>5.6%</b> <small>APRC</small>	<a href="#">Go to lender</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 5.6%. Total amount payable £568,926.32 includes interest of £268,826.32 product fees of £0 and other fees of £100. Repayments: 122 months of £1,645.44 at 4.37% (fixed), then 178 months of £2,067.88 at 7.99% (variable). Early repayment charges apply.					

- The above quotes are indicative only, based on a hypothetical 25-year (repayment) mortgage loan scenario, where the property value is £500,000, and down payment is £200,000, as of 4 June 2023
- Source: <https://www.moneysupermarket.com/>

# UK Mortgage Loans






## Competitive Market Benchmark (Indicative Only) – Page 3 of 5

<div> <div>COVENTRY Building Society</div> <div>5 year fixed</div> <div>Full details</div> </div>					
<div>£1,647</div> <div>Monthly payment until 31/10/2028</div>	<div>4.38%</div> <div>Initial rate</div>	<div>£0</div> <div>Product fees</div>	<div>£98,836</div> <div>Initial term cost</div>	<div>6.0%</div> <div>APRC</div>	<div>Go to broker</div>
<div>Representative example:</div> <div>a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.0%. Total amount payable £585,004.64 includes interest of £284,996.64 product fees of £0 and other fees of £8. Repayments: 64 months of £1,647.13 at 4.38% (fixed), then 236 months of £2,032.12 at 6.99% (variable). Early repayment charges apply.</div>					
<div> <div>first direct</div> <div>10 year fixed</div> <div>Full details</div> </div>					
<div>£1,647</div> <div>Monthly payment for 120 months</div>	<div>4.38%</div> <div>Initial rate</div>	<div>£490</div> <div>Product fees</div>	<div>£198,146</div> <div>Initial term cost</div>	<div>5.3%</div> <div>APRC</div>	<div>Call</div>
<div>Representative example:</div> <div>a repayment mortgage amount of £300,000 over 25 years, representative APRC 5.3%. Total amount payable £549,088 includes interest of £248,598 product fees of £490 and other fees of £0. Repayments: 120 months of £1,647.13 at 4.38% (fixed), then 180 months of £1,949.68 at 6.99% (variable). Early repayment charges apply.</div>					
<div> <div>The Cumberland</div> <div>2 year discounted</div> <div>Full details</div> </div>					
<div>£1,649</div> <div>Monthly payment for 24 months</div>	<div>4.39%</div> <div>Initial rate</div>	<div>£999</div> <div>Product fees</div>	<div>£40,591</div> <div>Initial term cost</div>	<div>7.7%</div> <div>APRC</div>	<div>Go to broker</div>
<div>Representative example:</div> <div>a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.7%. Total amount payable £679,767.64 includes interest of £378,638.64 product fees of £999 and other fees of £130. Repayments: 24 months of £1,648.82 at 4.39% (variable), then 276 months of £2,315.46 at 8.24% (variable). Early repayment charges apply.</div>					
<div> <div>first direct</div> <div>5 year fixed</div> <div>Full details</div> </div>					
<div>£1,649</div> <div>Monthly payment for 60 months</div>	<div>4.39%</div> <div>Initial rate</div>	<div>£490</div> <div>Product fees</div>	<div>£99,419</div> <div>Initial term cost</div>	<div>6.1%</div> <div>APRC</div>	<div>Call</div>
<div>Representative example:</div> <div>a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.1%. Total amount payable £588,565.60 includes interest of £288,075.60 product fees of £490 and other fees of £0. Repayments: 60 months of £1,648.82 at 4.39% (fixed), then 240 months of £2,038.11 at 6.99% (variable). Early repayment charges apply.</div>					
<div> <div>Santander</div> <div>5 year fixed</div> <div>Full details</div> </div>					
<div>£1,649</div> <div>Monthly payment until 2/9/2028</div>	<div>4.39%</div> <div>Initial rate</div>	<div>£999</div> <div>Product fees</div>	<div>£99,928</div> <div>Initial term cost</div>	<div>6.5%</div> <div>APRC</div>	<div>Go to lender</div>
<div>Representative example:</div> <div>a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.5%. Total amount payable £616,370.50 includes interest of £315,371.50 product fees of £999 and other fees of £0. Repayments: 62 months of £1,648.82 at 4.39% (fixed), then 238 months of £2,156.07 at 7.75% (variable). Early repayment charges apply.</div>					

- The above quotes are indicative only, based on a hypothetical 25-year (repayment) mortgage loan scenario, where the property value is £500,000, and down payment is £200,000, as of 4 June 2023
- Source: <https://www.moneysupermarket.com/>

# UK Mortgage Loans

## Competitive Market Benchmark (Indicative Only) – Page 4 of 5

 <b>HSBC UK</b> 5 year fixed <a href="#">Full details</a>					
<b>£1,649</b> <small>Monthly payment until 31/8/2028</small>	<b>4.39%</b> <small>Initial rate</small>	<b>£999</b> <small>Product fees</small>	<b>£99,945</b> <small>Initial term cost</small>	<b>6.0%</b> <small>APRC</small>	<a href="#">Go to broker</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.0%. Total amount payable £587,646.62 includes interest of £286,630.62 product fees of £999 and other fees of £17. Repayments: 62 months of £1,648.82 at 4.39% (fixed), then 238 months of £2,035.31 at 6.99% (variable). Early repayment charges apply.					
 <b>Monmouthshire Building Society</b> 5 year fixed <a href="#">Full details</a>					
<b>£1,649</b> <small>Monthly payment for 60 months</small>	<b>4.39%</b> <small>Initial rate</small>	<b>£1,149</b> <small>Product fees</small>	<b>£100,499</b> <small>Initial term cost</small>	<b>6.4%</b> <small>APRC</small>	<a href="#">Go to broker</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.4%. Total amount payable £608,766.40 includes interest of £307,196.40 product fees of £1,149 and other fees of £421. Repayments: 60 months of £1,648.82 at 4.39% (fixed), then 240 months of £2,117.78 at 7.49% (variable). Early repayment charges apply.					
 <b>Clydesdale Bank</b> 5 year fixed <a href="#">Full details</a>					
<b>£1,651</b> <small>Monthly payment until 31/8/2028</small>	<b>4.40%</b> <small>Initial rate</small>	<b>£0</b> <small>Product fees</small>	<b>£99,071</b> <small>Initial term cost</small>	<b>6.7%</b> <small>APRC</small>	<a href="#">Go to broker</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.7%. Total amount payable £634,754.28 includes interest of £334,519.28 product fees of £0 and other fees of £235. Repayments: 62 months of £1,650.52 at 4.40% (fixed), then 238 months of £2,236.08 at 8.24% (variable). Early repayment charges apply.					
 <b>Clydesdale Bank</b> 5 year fixed <a href="#">Full details</a>					
<b>£1,654</b> <small>Monthly payment until 31/8/2028</small>	<b>4.42%</b> <small>Initial rate</small>	<b>£999</b> <small>Product fees</small>	<b>£100,545</b> <small>Initial term cost</small>	<b>6.8%</b> <small>APRC</small>	<a href="#">Go to broker</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.8%. Total amount payable £636,420.48 includes interest of £334,914.48 product fees of £999 and other fees of £507. Repayments: 62 months of £1,653.90 at 4.42% (fixed), then 238 months of £2,236.86 at 8.24% (variable). Early repayment charges apply.					
 <b>Furness Building Society</b> 2 year discounted <a href="#">Full details</a>					
<b>£1,656</b> <small>Monthly payment for 24 months</small>	<b>4.43%</b> <small>Initial rate</small>	<b>£999</b> <small>Product fees</small>	<b>£40,753</b> <small>Initial term cost</small>	<b>7.2%</b> <small>APRC</small>	<a href="#">Go to broker</a>
<b>Representative example:</b> a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.2%. Total amount payable £653,939 includes interest of £352,800 product fees of £999 and other fees of £140. Repayments: 24 months of £1,655.60 at 4.43% (variable), then 36 months of £2,043.40 at 6.74% (variable), then 240 months of £2,247.93 at 7.99% (variable). Early repayment charges apply.					

- The above quotes are indicative only, based on a hypothetical 25-year (repayment) mortgage loan scenario, where the property value is £500,000, and down payment is £200,000, as of 4 June 2023
- Source: <https://www.moneysupermarket.com/>

# UK Mortgage Loans

## Competitive Market Benchmark (Indicative Only) – Page 5 of 5

**Furness** 2 year fixed [Full details](#)

<b>£1,656</b> Monthly payment for 24 months	<b>4.43%</b> Initial rate	<b>£999</b> Product fees	<b>£40,753</b> Initial term cost	<b>7.2%</b> APRC	<a href="#">Go to broker</a>
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**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 7.2%. Total amount payable £653,939 includes interest of £352,800 product fees of £999 and other fees of £140. Repayments: 24 months of £1,655.60 at 4.43% (fixed), then 36 months of £2,043.40 at 6.74% (variable), then 240 months of £2,247.93 at 7.99% (variable). Early repayment charges apply.

**HALIFAX** 5 year fixed [Full details](#)

<b>£1,657</b> Monthly payment until 31/8/2028	<b>4.44%</b> Initial rate	<b>£0</b> Product fees	<b>£99,538</b> Initial term cost	<b>6.6%</b> APRC	<a href="#">Go to lender</a>
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**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.6%. Total amount payable £625,695.76 includes interest of £325,595.76 product fees of £0 and other fees of £100. Repayments: 62 months of £1,657.30 at 4.44% (fixed), then 238 months of £2,196.82 at 7.99% (variable). Early repayment charges apply.

**HSBC UK** 5 year fixed [Full details](#)

<b>£1,657</b> Monthly payment until 31/8/2028	<b>4.44%</b> Initial rate	<b>£999</b> Product fees	<b>£100,454</b> Initial term cost	<b>6.1%</b> APRC	<a href="#">Go to broker</a>
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**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.1%. Total amount payable £588,596.02 includes interest of £287,580.02 product fees of £999 and other fees of £17. Repayments: 62 months of £1,657.30 at 4.44% (fixed), then 238 months of £2,037.09 at 6.99% (variable). Early repayment charges apply.

**first direct** 10 year fixed [Full details](#)

<b>£1,657</b> Monthly payment for 120 months	<b>4.44%</b> Initial rate	<b>£490</b> Product fees	<b>£199,366</b> Initial term cost	<b>5.3%</b> APRC	<a href="#">Call</a>
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**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 5.3%. Total amount payable £551,059 includes interest of £250,569 product fees of £490 and other fees of £0. Repayments: 120 months of £1,657.30 at 4.44% (fixed), then 180 months of £1,953.85 at 6.99% (variable). Early repayment charges apply.

**first direct** 5 year fixed [Full details](#)

<b>£1,659</b> Monthly payment for 60 months	<b>4.45%</b> Initial rate	<b>£0</b> Product fees	<b>£99,539</b> Initial term cost	<b>6.1%</b> APRC	<a href="#">Call</a>
---	------------------------------	---------------------------	-------------------------------------	---------------------	----------------------

**Representative example:** a repayment mortgage amount of £300,000 over 25 years, representative APRC 6.1%. Total amount payable £589,182.60 includes interest of £289,182.60 product fees of £0 and other fees of £0. Repayments: 60 months of £1,658.99 at 4.45% (fixed), then 240 months of £2,040.18 at 6.99% (variable). Early repayment charges apply.

- The above quotes are indicative only, based on a hypothetical 25-year (repayment) mortgage loan scenario, where the property value is £500,000, and down payment is £200,000, as of 4 June 2023
- Source: <https://www.moneysupermarket.com/>



# Crypto Markets: Bitcoin

## BTC/USD Bitfinex Overview



Bid/Ask	<b>27,196.00 / 27,197.00</b>	Vol (24H)	<b>8.54B</b>	Market Cap	<b>527.63B</b>
Day's Range	<b>26,924 - 27,304</b>	52 wk Range	<b>15,501 - 31,764</b>	Max Supply	<b>BTC21.00M</b>
Circulating Supply	<b>BTC19.39M</b>	Chg (7D)	<b>-0.79%</b>		

- Source: [www.investing.com](https://www.investing.com), as of 4 June 2023

# Crypto Markets: Ethereum

## ETH/USD Binance Overview

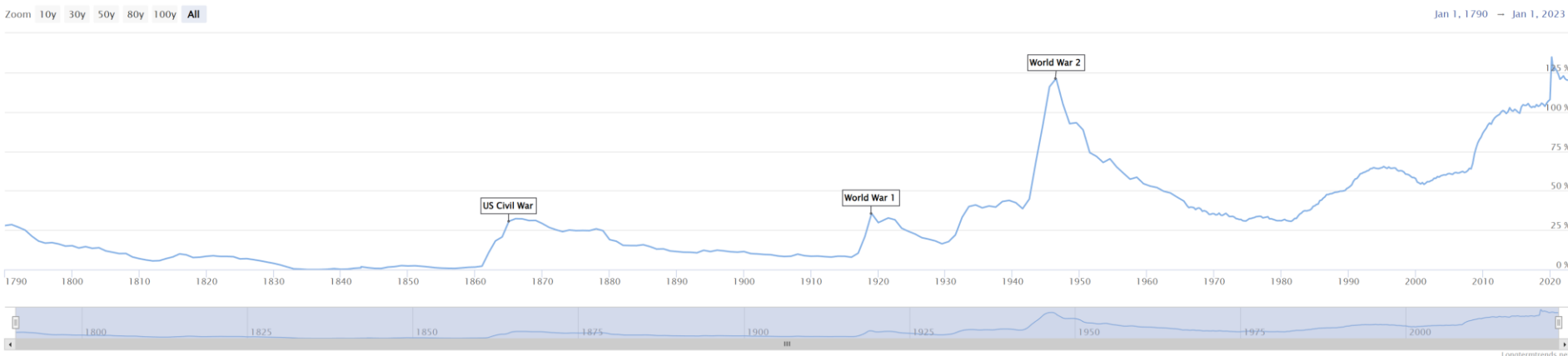


Bid/Ask	1,903.27 / 1,903.28	Vol (24H)	3.40B	Market Cap	228.82B
Day's Range	1,881.6 - 1,914.63	52 wk Range	883.62 - 2,137.66	Max Supply	-
Circulating Supply	ETH120.24M	Chg (7D)	2.90%		

- Source: [www.investing.com](https://www.investing.com), as of 4 June 2023

# Macro-economic / Markets Insights – US Debt to GDP Ratio

(Government) Total Public Debt / GDP Ratio



## Interpretation

A nation's debt is commonly expressed as a ratio to its gross domestic product (GDP) to facilitate meaningful comparisons over time. The total public debt, as depicted in the above chart, represents a form of government federal debt that encompasses both "debt held by the public" and "intragovernmental holdings." Several factors influence the federal public debt, including government spending, tax policies, economic conditions, and interest rates. Budget deficits arise when government expenditures exceed revenues, resulting in an increase in the public debt. Conversely, budget surpluses can help reduce the debt burden. The management of federal debt falls under the purview of the Department of the Treasury, which regularly conducts auctions of treasury securities to meet borrowing requirements. These securities are purchased by a range of investors, including individuals, financial institutions, foreign governments, and central banks, effectively lending money to the government. It's worth noting that historical trends show an increased ratio during periods of war and economic recessions.

Other popular classifications of debt are corporate and household debt (see charts below).

Renowned investor Ray Dalio identified a long-term debt cycle, a cyclical pattern that typically spans 75-100 years. In his research, Dalio has analyzed the total debt in the United States, encompassing public, corporate, and private debt, dating back to 1920. For further details, you can refer to Ray Dalio's publication "[Principles For Navigating BIG DEBT CRISES](#)" on page 13.

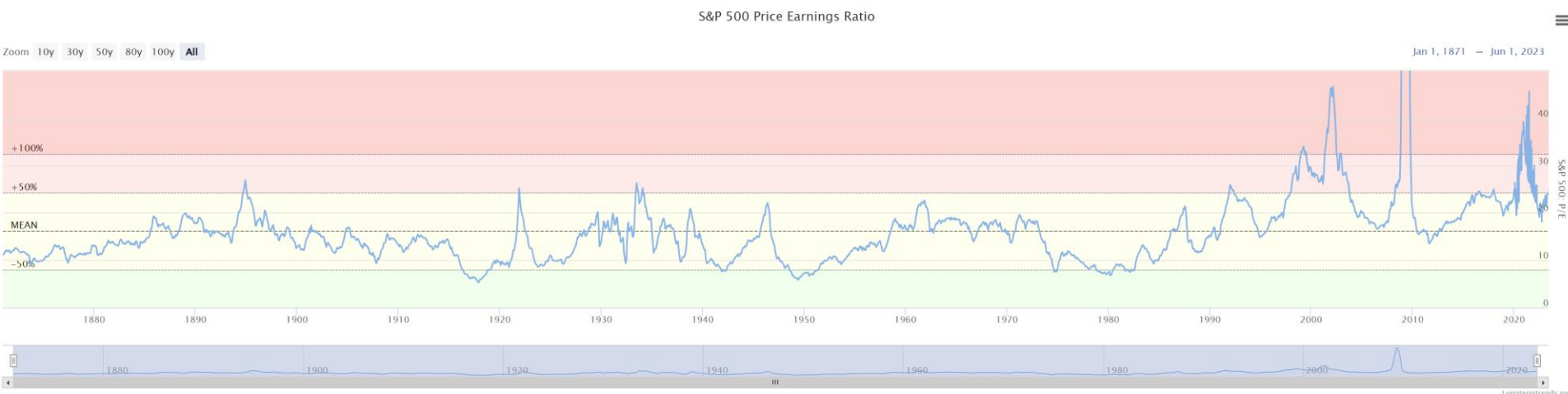
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**Launch Chart**

- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

# Macro-economic / Markets Insights – S&P 500 Price to Earnings Ratio



## Interpretation

The price earnings ratio is calculated by dividing a company's stock price by its earnings per share. In other words, the price earnings ratio shows what the market is willing to pay for a stock based on its current earnings. It is one of the most widely-used valuation metrics for stocks. A high P/E ratio suggests that investors are willing to pay a premium for each unit of earnings, indicating optimism about future growth prospects. Conversely, a low P/E ratio may indicate that the market has lower expectations for future growth or that the stock is undervalued.

The PE ratio of the S&P 500 divides the index (current market price) by the reported earnings of the trailing twelve months. In 2009 when earnings fell close to zero the ratio got out of whack, resulting in an inaccurate reflection of the market's true valuation. A solution to this phenomenon is to divide the price by the average inflation-adjusted earnings of the previous 10 years. In recent years, Yale professor Robert Shiller, the author of *Irrational Exuberance*, has reintroduced this adjusted ratio to a wider audience of investors. The Shiller PE Ratio of the S&P 500 is illustrated below.

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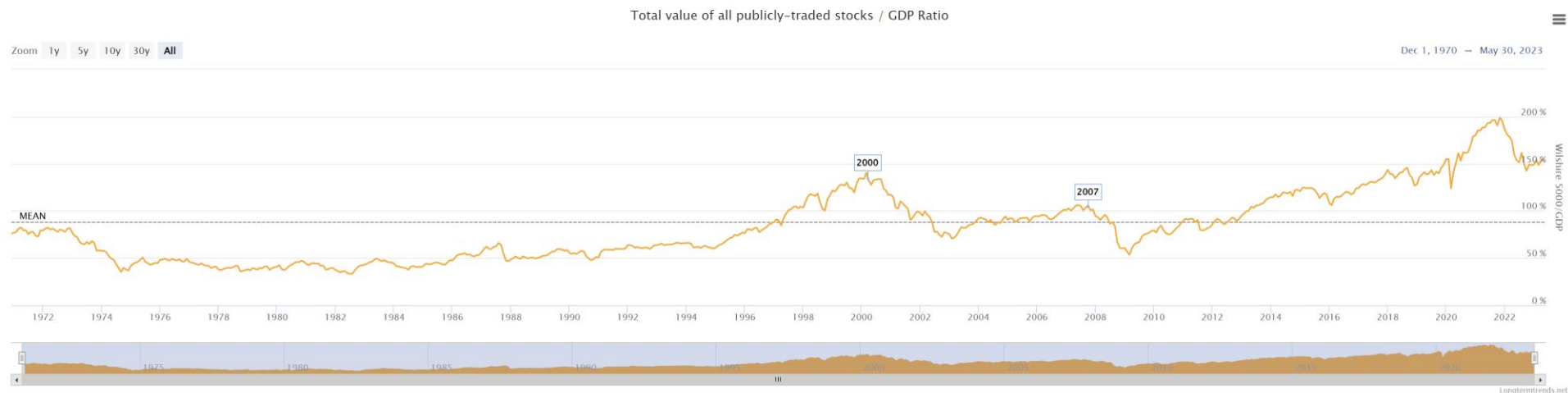
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- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

# Macro-economic / Markets Insights – Buffet Indicator (Total Market Cap / GDP)

## Wilshire 5000 to GDP Ratio



## Interpretation

The Buffett Indicator, also known as Market Cap to GDP, has gained prominence as a long-term valuation indicator for stocks, largely due to Warren Buffett's endorsement. In a [Fortune Magazine](#) interview back in 2001, Buffett referred to it as "probably the best single measure of where valuations stand at any given moment." This statement has drawn attention to the indicator's potential significance in assessing market conditions. The calculation of the Buffett Indicator involves dividing the total market value of all publicly-traded stocks within a country by the country's Gross Domestic Product (GDP). By comparing the stock market's size to the overall economic output, this ratio provides insights into the relative valuation of the market. To illustrate this concept, one common approach is to examine the ratio between the **Wilshire 5000** and the GDP of the United States. The Wilshire 5000 is widely regarded as the definitive benchmark for the US equity market, aiming to measure the total market capitalization of all US equity securities with readily available price data. By dividing this market index by the GDP, we can obtain a snapshot of the market's valuation in relation to the country's economic performance.

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- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

# Macro-economic / Markets Insights – Growth / Value Stocks



## Interpretation

Which performed better in recent years, growth stocks or value stocks? Differentiating between these characteristics is a popular way to segment the US stock market (next to [segmentation by market capitalization](#)). **Value stocks** can be roughly described as "bargains". These stocks are usually associated with low P/E, low P/B, low price/cash flow, and a high [dividend yield](#). These companies may have solid fundamentals, but their stock prices are perceived to be lower than their intrinsic value due to factors such as market conditions, industry trends, or temporary setbacks. Value stocks are often associated with more mature industries or companies that are temporarily out of favor with investors. **Growth stocks** are the exact opposite. They are considered expensive measured by a variety of metrics. These stocks generally do not pay dividends, as the companies usually want to reinvest any earnings in order to keep growing at certain rates. These companies often operate in industries that are expanding rapidly or are engaged in innovative technologies. Investors are attracted to growth stocks because of their potential for significant capital appreciation over time. Examples of growth stocks can include technology companies, biotech firms, or high-growth consumer brands. Value and growth investing are opposing strategies. A stock prized by a value investor might be considered worthless by a growth investor and vice versa. Value investors seek to profit as the price returns to its "fair value" while growth investors are looking for "winners" and focus on competitive advantages. The ratio in the chart above divides the [Wilshire US Large-Cap Growth Index](#) by the [Wilshire US Large-Cap Value Index](#). When the ratio rises, growth stocks outperform value stocks - and when it falls, value stocks outperform growth stocks. The ratio peaked in 2000, during the dot-com mania.

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- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

# Macro-economic / Markets Insights – US Stocks vs. World Stocks



## Interpretation

The chart above compares the performance of the MSCI USA index to the MSCI World index. It provides a valuable perspective on the relative strength or weakness of the US stock market in comparison to the global stock market as a whole.

The **MSCI USA** index represents the performance of large and mid-cap stocks in the United States, encompassing various sectors and industries. It covers approximately 85% of the free float-adjusted market capitalization in the US. On the other hand, the **MSCI World** index represents global equity performance and includes stocks from **developed markets** across the world.

When the ratio rises, it indicates that US stocks outperform the rest of the world, whereas a decline in the ratio suggests underperformance by US stocks compared to the global market. By definition, this ratio cannot grow forever. At some point, US stocks would simply make up 100% of global stocks. The chart shows that, since the financial crisis of 2008, US stocks have been outperforming the rest of the world.

**TradingView**

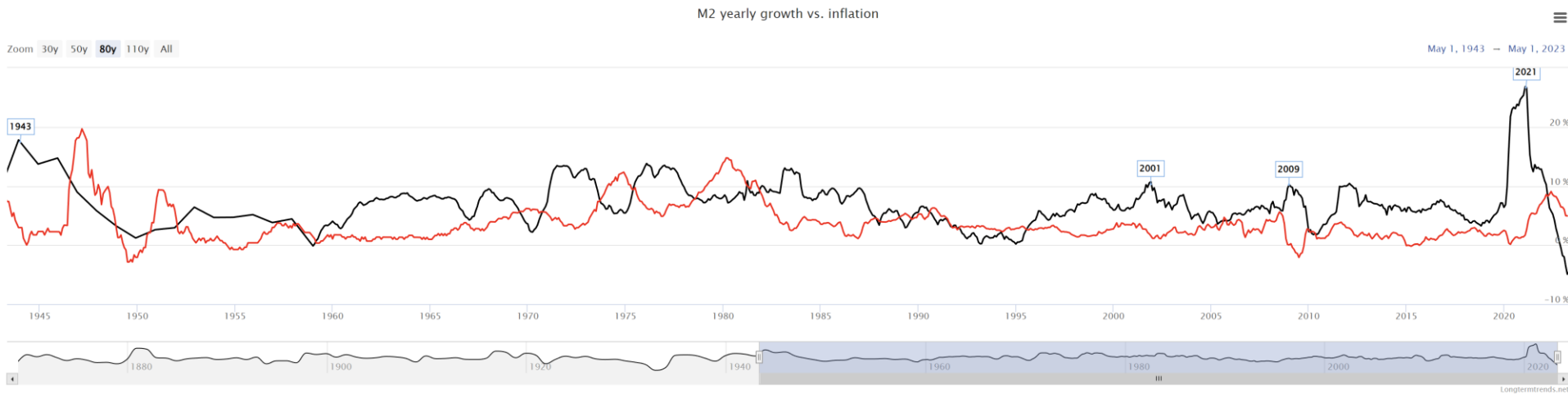
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- Source: <https://www.longtermtrends.net/>, as of 4 June 2023



# Macro-economic / Markets Insights – Money Supply Growth vs. Inflation



## Interpretation

The "M2 Money Supply", also referred to as "M2 Money Stock", is a measure for the amount of currency in circulation. M2 includes M1 (physical cash and checkable deposits) as well as "less liquid money", such as saving bank accounts. The chart above plots the yearly **M2 Growth Rate** and the **Inflation Rate**, which is defined as the yearly change in the Consumer Price Index (CPI). When inflation is high, prices for goods and services rise and thus the purchasing power per unit of currency decreases.

Historically, M2 has grown along with the **economy** (see in the chart below). However, it has also grown along with **Federal Debt to GDP** during *wars* and *recessions*. In most recent history, M2 growth surpassed 10 percent in the crisis of 2001 and 2009, during which an expansionary monetary policy was deployed by the central bank, including large scale asset purchases.

According to [Bannister and Forward \(2002, page 28\)](#), Money supply growth and inflation are inexorably linked.

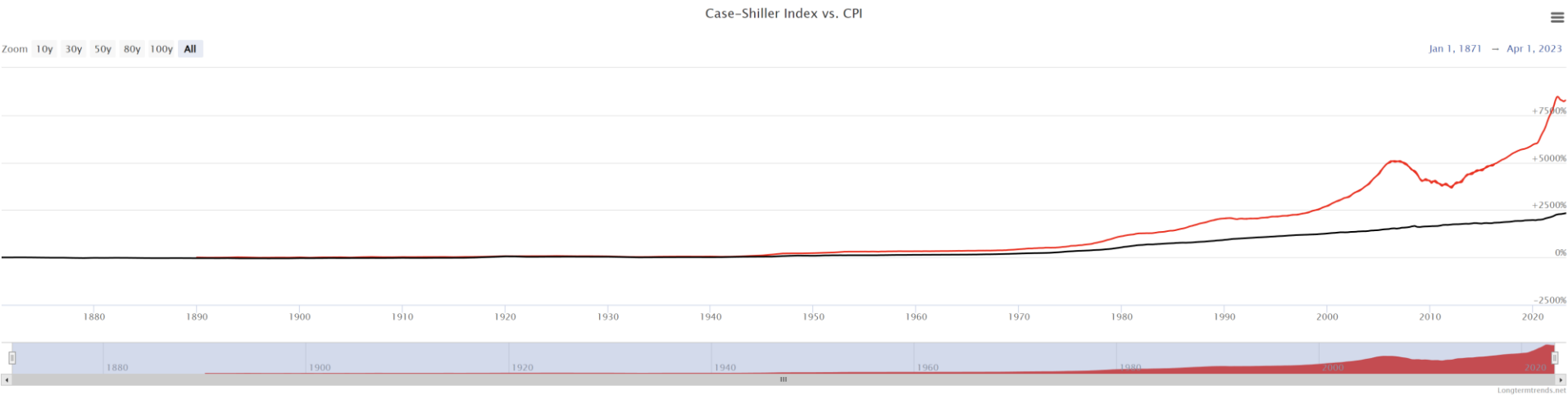
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- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

# Macro-economic / Markets Insights – US Real Home Prices

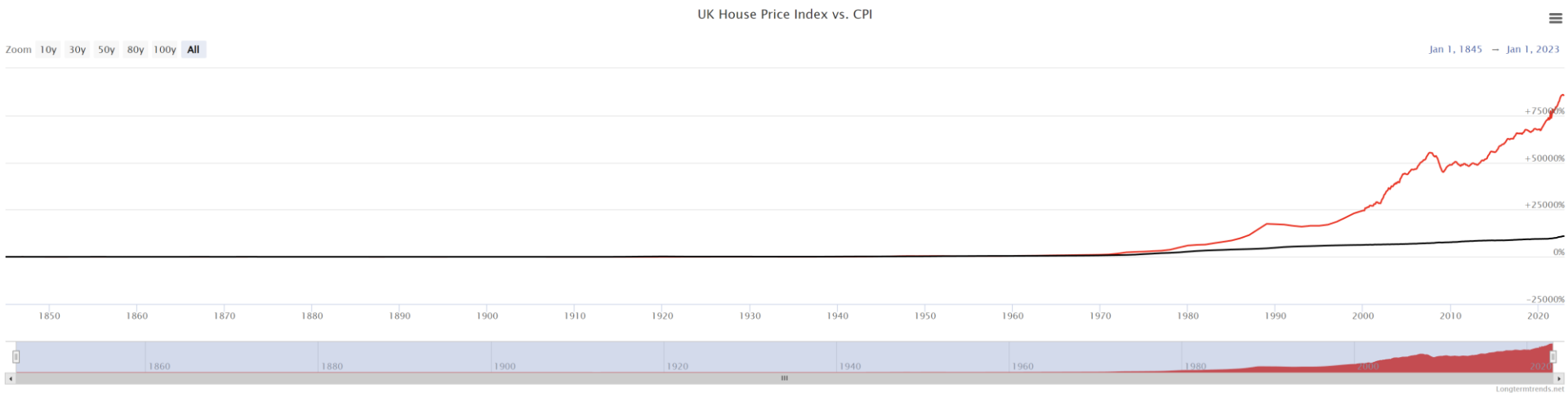


## Interpretation

This chart displays the **Case-Shiller Home Price Index** and **US Consumer Price Index (CPI)** over time.

- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

# Macro-economic / Markets Insights – UK Real Home Prices



## Interpretation

This chart compares the **UK House Price Index** and **UK Consumer Price Index (CPI)** over time.

- Source: <https://www.longtermtrends.net/>, as of 4 June 2023

## Important Legal Disclosure

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