

global investment management

even in an ideal setting and no external Another (and unfortunately not the last) interaction, you can't know for sure whether commonly observed mathematical "lie" is it will be heads or tails, but you know that also known as data mining, the beautiful art there is 50% probability of one and 50% of cherry-picking data until it says exactly of the other. However, a person tossing a what you want it to say. An application of confirmation bias (i.e. attributing more coin in the real world is a chaotic, yet fully deterministic process, where in fact you can weight to data, confirming our theory rather predict with 100% accuracy whether it will than disproving it), data mining attracts practitioners with its low p-values and high be heads or tails based on the force applied by the thumb to the coin, the friction expected returns, then kills them with its with the air, the weather conditions etc... unimplementability. Have you ever read but since we can't measure with enough a research paper bragging about a great accuracy all these starting conditions, we investment strategy that goes something can't forecast with enough accuracy the like "If you had bought stocks when their result, thus ending up treating a real-life 23-days moving average was 1.5x higher coin toss as a random event. This inability than the 45.7-days trimmed mean, then to distinguish between random and chaotic. you would have returned +100000% over damages our forecasting capabilities. the last 10 years"? Well guess what, run the same strategy using the 22.9-days moving And even when faced with actual average and suddenly it's only noise.

randomness, people sometimes distort probabilities with perceptions. For instance, if I asked a room full of people what the chance is of extracting the number 6 at the national lottery (assume 1 to 90), after having extracted 1, 2, 3, 4 and 5, I'm sure most would tell me "It's impossible, 1-2-3-4-5-6 is too unusual a combination", or some might think "It's rigged". Well, actually, the probability is 1/(90-5), and the probability of the numbers extracted being 1-2-3-4-5-6 is exactly the same as six more "apparently random" like 3-14-31-60-67-84, which by the way is (6\*5\*4\*3\*2\*1)/(90\*89\*88\*87\*86\*85) = 0.00000016%.

Mathematics never lies, but our ability to interpret mathematical concepts accurately and honestly is at times limited. Blame our faulty, imperfect, imprecise, biased human brains! Numbers can say a lot and nothing, or sometimes can be well-trained puppets that speak just like the ventriloguist. Numbers should never be trusted blindly: challenge them, poke them with a stick and make sure you fully understand them before drawing any conclusion.

globalmatters

Weekly

**Don't trust the numbers** 

Portfolio Manager

Lorenzo La Posta, CFA

There are many examples of people not using numbers as they should.

September 2023

Firstly, often people confuse "random" with "chaotic". "Random" is something that is impossible to predict with absolute certainty, because it follows probabilistic laws, whilst "chaotic" is something that is so complex it appears random whilst being actually described by fully deterministic laws. A coin toss is random, because

INVESTMENT AWARDS 2023 WINNER



The investment world is full of these mathematical "lies" and it takes a lot of experience and focus to avoid the traps these present. Luckily, at Momentum Global Investment Management we have a team of skilled, well-rounded investors that know what to look for, that constantly challenge each other's and third parties' views and never (ever) put blind faith in anyone. We take numbers for what they are: a quantified view, a metric that was structured and described by a (sometimes random, but more often chaotic) human mind.

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investment world is full of these mathematical "lies" and it takes a lot of experience and focus to avoid the traps these present.

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With us, investing is personal

Market Focus - 4 September 2023

- » Global equities rose 2.7% last week
- » All major indices saw positive returns on the back of easing inflation fears
- » Brent crude rose 4.8% last week to \$88.55 a barrel
- » Gold rose 1.3% to \$1940.06 per ounce

#### US

- » US equities rose 2.5% last week
- » The nonfarm payrolls report appeared to confirm loosening labour market conditions with 187,000 jobs posted in August, above consensus expectations
- » Atlanta Federal Reserve Bank President Raphael Bostic appeared to give sentiment a boost on Thursday, telling a conference in South Africa that he believed the current level of interest rates was "appropriately restrictive" and on track to bring down the inflation rate to the Fed's target of around 2.0%

## UK

- » UK equities rose 1.8% last week
- » Chancellor Jeremy Hunt says the UK government is still on track to achieve its pledge to halve record inflation this year and will "spend what it takes" to fix the nation's crumbling schools
- » The UK and Tata Steel are coming closer to agreeing an aid package that would see the government provide approximately £500 million of public funding to the Indian company's British business

### Europe

- » European equities rose 1.3% last week on hopes that interest rates would soon peak and that a recession, while possible, would likely prove to be shallow and short-lived
- » European government bond yields edged lower as core inflation data and comments from policymakers suggested that the European Central Bank (ECB) could be nearing the end of its monetary policy tightening cycle
- » The annual inflation rate in the eurozone was steady at 5.3% in August

# **Rest of the World/Asia**

- » Global emerging market equities rose 1.5% last week
- » Japanese equities rose 3.7% last week
- » Chinese equities rose 3.0% last week
- » China rolled out further property support measures, the latest in an intensifying campaign to rescue the beleaguered sector that has been dragging down the economy
- Asian stocks rose, led by mainland China, where a gauge of property shares jumped on optimism about stimulus measures

# Market Summary - 4 September 2023

| Asset Class / Region                | Cumulative returns |                            |               |          |           |  |  |
|-------------------------------------|--------------------|----------------------------|---------------|----------|-----------|--|--|
|                                     | Currency           | Week ending<br>1 September | Month to date | YTD 2023 | 12 months |  |  |
| Developed Markets Equities          |                    |                            |               |          |           |  |  |
| United States                       | USD                | 2.5%                       | 0.2%          | 18.5%    | 15.2%     |  |  |
| United Kingdom                      | GBP                | 1.8%                       | 0.4%          | 2.6%     | 7.7%      |  |  |
| Continental Europe                  | EUR                | 1.3%                       | -0.1%         | 11.9%    | 17.7%     |  |  |
| Japan                               | JPY                | 3.7%                       | 0.8%          | 26.0%    | 24.7%     |  |  |
| Asia Pacific (ex Japan)             | USD                | 2.4%                       | 0.3%          | 2.6%     | 2.6%      |  |  |
| Australia                           | AUD                | 2.7%                       | -0.3%         | 6.4%     | 10.7%     |  |  |
| Global                              | USD                | 2.7%                       | 0.1%          | 16.3%    | 16.5%     |  |  |
| Emerging Markets Equities           |                    |                            |               |          |           |  |  |
| Emerging Europe                     | USD                | 1.5%                       | 0.3%          | 22.3%    | 62.4%     |  |  |
| Emerging Asia                       | USD                | 1.9%                       | 0.6%          | 4.2%     | 2.3%      |  |  |
| Emerging Latin America              | USD                | 0.0%                       | 1.0%          | 16.7%    | 19.4%     |  |  |
| BRICs                               | USD                | 2.2%                       | 0.7%          | 0.7%     | -1.3%     |  |  |
| China                               | USD                | 3.0%                       | 0.4%          | -4.3%    | -5.7%     |  |  |
| MENA countries                      | USD                | 0.1%                       | 0.0%          | 3.1%     | -8.4%     |  |  |
| South Africa                        | USD                | -0.4%                      | 0.7%          | -6.0%    | 4.1%      |  |  |
| India                               | USD                | 0.8%                       | 1.0%          | 8.3%     | 7.9%      |  |  |
| Global emerging markets             | USD                | 1.5%                       | 0.5%          | 5.1%     | 3.7%      |  |  |
| Bonds                               |                    |                            |               |          |           |  |  |
| US Treasuries                       | USD                | 0.4%                       | -0.4%         | 0.5%     | -1.7%     |  |  |
| US Treasuries (inflation protected) | USD                | 0.0%                       | -0.5%         | 0.6%     | -3.4%     |  |  |
| US Corporate (investment grade)     | USD                | 0.5%                       | -0.5%         | 2.4%     | 1.5%      |  |  |
| US High Yield                       | USD                | 1.0%                       | 0.0%          | 7.2%     | 7.7%      |  |  |
| UK Gilts                            | GBP                | 0.3%                       | -0.6%         | -3.8%    | -9.1%     |  |  |
| UK Corporate (investment grade)     | GBP                | 0.5%                       | -0.2%         | 1.0%     | -0.9%     |  |  |
| Euro Government Bonds               | EUR                | 0.3%                       | -0.5%         | 2.3%     | -3.4%     |  |  |
| Euro Corporate (investment grade)   | EUR                | 0.3%                       | -0.2%         | 3.0%     | 1.0%      |  |  |
| Euro High Yield                     | EUR                | 0.3%                       | 0.0%          | 5.8%     | 7.1%      |  |  |
| Japanese Government                 | JPY                | 0.3%                       | 0.2%          | 0.5%     | -2.4%     |  |  |
| Australian Government               | AUD                | 0.9%                       | 0.1%          | 2.5%     | 1.7%      |  |  |
| Global Government Bonds             | USD                | 0.5%                       | -0.5%         | -0.8%    | -1.1%     |  |  |
| Global Bonds                        | USD                | 0.6%                       | -0.5%         | 1.0%     | 0.7%      |  |  |
| Global Convertible Bonds            | USD                | 1.2%                       | 0.0%          | 4.7%     | 4.5%      |  |  |
| Emerging Market Bonds               | USD                | 0.8%                       | -0.3%         | 3.4%     | 5.8%      |  |  |

| Asset Class / Region           | Cumulative returns |                            |               |          |           |  |  |
|--------------------------------|--------------------|----------------------------|---------------|----------|-----------|--|--|
|                                | Currency           | Week ending<br>1 September | Month to date | YTD 2023 | 12 months |  |  |
| Property                       |                    |                            |               |          |           |  |  |
| US Property Securities         | USD                | 1.8%                       | 0.0%          | 4.4%     | -4.0%     |  |  |
| Australian Property Securities | AUD                | 1.8%                       | -0.9%         | 6.3%     | 2.9%      |  |  |
| Asia Property Securities       | USD                | 2.7%                       | 0.4%          | -7.5%    | -6.6%     |  |  |
| Global Property Securities     | USD                | 2.0%                       | -0.1%         | 1.8%     | -3.4%     |  |  |
| Currencies                     |                    |                            |               |          |           |  |  |
| Euro                           | USD                | -0.1%                      | -0.5%         | 0.7%     | 8.5%      |  |  |
| UK Pound Sterling              | USD                | 0.1%                       | -0.6%         | 4.1%     | 9.1%      |  |  |
| Japanese Yen                   | USD                | 0.1%                       | -0.5%         | -10.4%   | -4.2%     |  |  |
| Australian Dollar              | USD                | 0.7%                       | -0.3%         | -5.4%    | -4.8%     |  |  |
| South African Rand             | USD                | -1.1%                      | 0.4%          | -9.5%    | -8.0%     |  |  |
| Swiss Franc                    | USD                | 0.0%                       | -0.3%         | 4.1%     | 11.0%     |  |  |
| Chinese Yuan                   | USD                | 0.3%                       | -0.1%         | -5.1%    | -5.0%     |  |  |
| Commodities & Alternatives     |                    |                            |               |          |           |  |  |
| Commodities                    | USD                | 2.3%                       | 0.9%          | 1.4%     | 1.9%      |  |  |
| Agricultural Commodities       | USD                | 0.0%                       | 0.4%          | 4.2%     | 5.6%      |  |  |
| Oil                            | USD                | 4.8%                       | 1.9%          | 3.1%     | -4.1%     |  |  |
| Gold                           | USD                | 1.3%                       | -0.1%         | 6.4%     | 14.5%     |  |  |

# momentum

investments



For more information, please contact:

#### **Distribution Services**

E: distributionservices@momentum.co.uk

T: T: +44 (0)207 618 1803

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