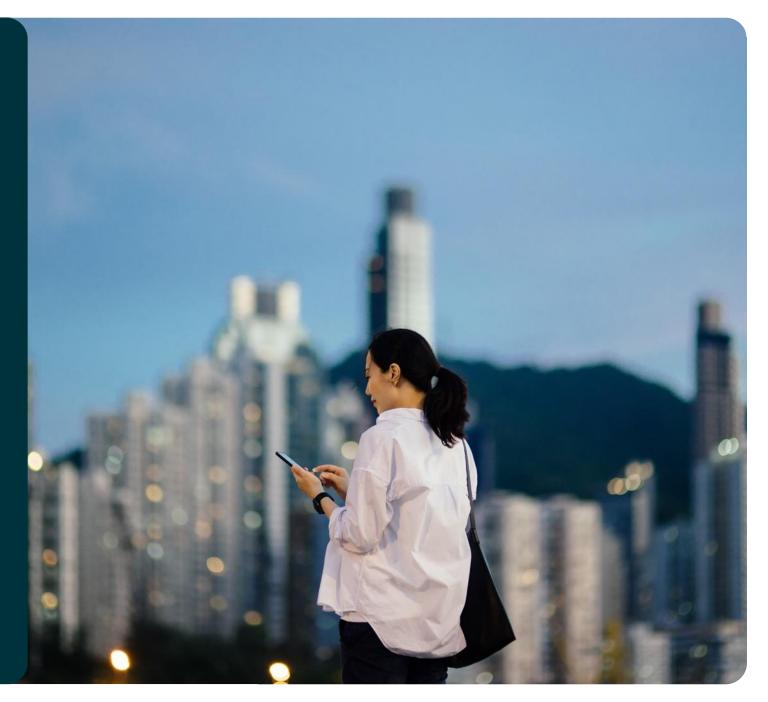


Weekly Markets Monitor

14 April 2025

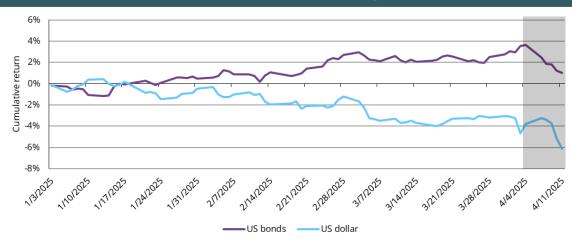


What you need to know – Gold above US\$3,200/oz

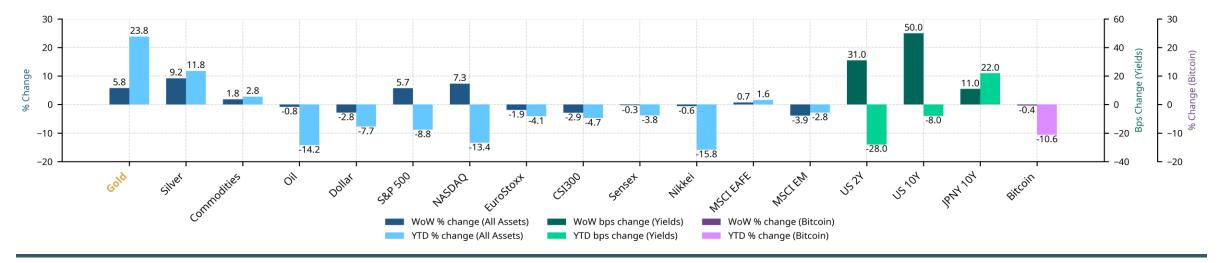
Highlights

- Trade tensions steered sentiment last week. Trump's temporary tariff relief boosted optimism, but mixed economic data and lingering trade uncertainty kept volatility elevated. Growth concerns prompted central banks in India, New Zealand, and the Philippines to cut.
- Global stocks rebounded after the tariff pause, with US shares getting an extra boost from strong bank earnings. Treasury yields spiked (see pp5) and the dollar fell. And oil broke lower from its range.
- Gold jumped above the US\$3,200/oz, setting another record despite the sharp rise in yields. The strong trend remains intact with key technical resistance at US\$3,350/oz.
- Erratic tariff moves from the Trump administration exposed US assets to an increasing loss of confidence. A fire sale of US Treasuries saw the biggest weekly yield surge in decades alongside a continued decline in the US dollar.

Chart of the week – Selling the US



Source: Bloomberg, World Gold Council Note: cumulative daily returns of Bloomberg US Dollar Index and Bloomberg US Agg Index.



Last week in review

US: Inflation slowed and sentiment dropped, but bank earnings shined

- Trump **paused tariffs** for 90 days on most countries for negotiations, while maintaining the 10% blanket tariff on most imports and increasing **tariffs on China** to 145%.
- Headline inflation saw a 0.1% m/m drop in March, the first decline in nearly five years, , while producer prices also fell 0.4%.
- **Consumer** sentiment fell sharply in April, while inflation expectations soared (to 6.7%) their highest levels since 1981 amid trade tensions.
- Earnings season began on a strong footing for US banks, with solid Q1 results, though they warned of economic uncertainty and took steps to protect their businesses.



- UK GDP grew 0.5% m/m and 1.4% y/y in February, its fastest expansion in 11 months, fueled by strong services and manufacturing, though US tariffs pose future growth risks.
- Industrial output in Germany and Italy fell by 1.3% and 0.9% in February.
- Eurozone **retail sales** rose 0.3% m/m in February 2025, below expectations of 0.5%.

India: RBI cut rates and lowered GDP Forecast

- RBI **cut interest rates** by 25bps and shifted to an accommodative stance. It also **lowered GDP** growth forecast for the current financial year (Apr'25-Mar'26) to 6.5% from 6.7%.
- Industrial production growth slowed to 2.9% y/y in February 2025 amid slower growth in manufacturing and mining.

China: Deflation persisted, tariffs on US goods raised

- China's **deflationary pressures persisted:** the CPI fell 0.1% y/y in March (vs -0.7% in Feb) and the PPI dropped 2.5% y/y, amid escalating US trade tensions, raising expectations of potential monetary easing.
- China **raised tariffs** on US goods to 125% from 84% and indicated that further increases are unlikely given current tariff levels have reached the level to stall trade.
- March exports surged 12.4% y/y, beating expectations, ahead of massive US tariff hikes, which will slow future growth. Meanwhile, imports dropped 4.3% annually, reflecting sluggish domestic demand..



The week ahead

Bloomberg consensus expectations

			Last	14.04	15.04	16.04	17.04	18.04
Where		What	actual	Mon	Tue	Wed	Thu	Fri
US		Retail Sales Advance MoM	0.2			1.4		
US		Industrial Production MoM	0.8			-0.2		
US		Housing Starts	1501.0				1416.0	
US		Empire Manufacturing	-20.0		-12.5			
US		Philadelphia Fed Business Outlook	12.5				3.0	
EZ	$\{\}\}$	CPI YoY	2.2			2.2		
DE		ZEW Survey Expectations	51.6		10.0			
CN	*1	Industrial Production YoY	6.2			5.9		
DE		ZEW Survey Current Situation	-87.6		-86.9			
CN	*1	Retail Sales YoY	3.7			4.3		
JP		Industrial Production MoM	2.3	-				
EZ	$\{i\}$	CPI MoM	0.6			0.6		
CN	*1	Trade Balance	102.6	75.2				
US		Retail Sales Ex Auto MoM	0.3			0.4		
JP		Natl CPI YoY	3.7					3.7
CN	*1	Exports YoY	12.4	4.6				
CN	*1	Imports YoY	-4.3	-2.1				
IN	•	CPI YoY	3.6		3.5			
US		Capacity Utilization	78.2			77.9		
JP		Core Machine Orders MoM	-3.5			1.2		
EZ	\mathbb{C}^{2}	CPI Core YoY	2.4			2.4		
CN	*1	Industrial Production YTD YoY	5.9			5.9		
IN	0	Exports YoY	-10.9		-			
CN	*1	Fixed Assets Ex Rural YTD YoY	4.1			4.1		
IN	*:	Wholesale Prices YoY	2.4		2.5			
CN	*:	Retail Sales YTD YoY	4.0			4.3		
US		NAHB Housing Market Index	39.0			38.0		
IN	•	Imports YoY	-16.3		-			
CN	*1	Exports YoY CNY	13.5	-				
US		Housing Starts MoM	11.2				-5.7	

Things to look out for...

US

- The March retail sales (Wed) may show stronger growth (1.3% m/m e vs 0.2% in Feb) amid likely robust auto sales ahead of Trump's tariff announcement. And ex-auto sales likely rose at a slower pace.
- Other than data, further news on Trump administration's tariff announcements will continue to rattle markets.

Europe

- The ECB is now facing a very different world order amid the US tariff disruption. And growth prospects have been damaged which may push the council to deliver another 25bps cut to support growth.
- **UK's March inflation** is likely to cool slightly y/y amid possible slowing service price pressure. But with tariff uncertainties abound and higher energy costs, April data may rebound.

Asia

- China's Q1 GDP is likely to stay above 5% y/y, albeit likely at a slower pace than Q4 2024 (5.4%) industrial output, fixed asset investment and modest improvement in property sales may have supported growth while retail sales may have remained tepid.
- Japan's inflation may have remained hot in March (unchanged at 3.7% y/y e) amid higher food prices and sizable wage hikes. However, given growth risk related to tariffs, the BoJ is not likely to hike in May.

Source: Bloomberg ECO function, data selected using weighting algorithm for relevance scores, US has 100% weighting, China, and Europe have 80%

All about Gold

The week in review

- Admist heightened volatility across markets, gold continued to shine, registering a notable gain of 5.8% last week. And the LBMA Gold Price PM stood above US\$3,200/oz, ending Friday at US\$3,230.5/oz, showing a stunning 23.8% y-t-d increase.
- Rising implied volatility (+3%) was a major driver of gold's strength while falling FX-related opportunity in both DM (+1%) and EM (+1.5%) markets provided further boosts. Strong ETF inflows (+0.7%) also supported gold.
- Gold has surged to another record high after successfully holding support from its rising 55-day medium-term average, completing a technical "outside week" in the process. The level of \$3,350/oz is still seen as the next major resistance (see pp 6).

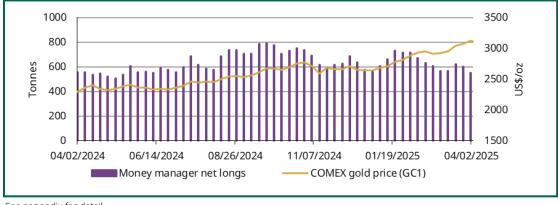
The week ahead & key talking points

- Investors remain focused on Trump's trade policies. Progress in talks with partners may reduce gold's appeal in the short-term, but escalation could drive prices higher.
- Last week saw **US Treasury yields surge** at their fastest pace in decades as investors reacted to policy unpredictability from the Trump administration. This spike contradicts Trump's goal of lowering rates and **renewed worries about US debt sustainability**.
- The turmoil raised questions about Treasuries' traditional role as a safe investment, driving investors into gold and the yen. If Trump's erratic policies continue, gold could see further gains as a safe-haven asset.

Gold Return Attribution Model (GRAM)



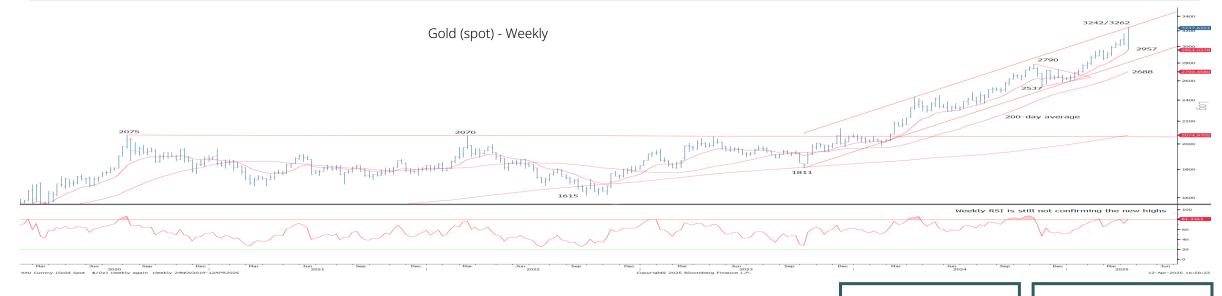
COMEX positioning (tonnes)



See appendix for detail

Gold technicals

Gold posts a bullish "outside week", with key resistance seen at US\$3,340~3,350/oz



Another dramatic and turbulent week for global markets: the dollar weakened and US bond yields surged (see appendix). It was also an impressive week for **gold** with more record highs posted. Early weakness in the week saw gold test and hold it's rising 55-day medium-term moving average (now seen at US\$2,952/oz). But the subsequent aggressive rally saw the market move to a new record high **and post a bullish "outside week"**.

The market is testing potential trend channel resistance from last September at US\$3,262/oz and the core trend may move higher with positioning still not seen at an extreme. A breach above US\$3,262/oz can see the next resistance at US\$3,300/oz and eventually what we look to be a potentially tougher test at US\$3,340~3,350/oz.

Near-term support is seen at US\$3,138/oz, then the rising short-term 13-day exponential average at US\$3,090/oz, below which would be seen to ease the immediate upside bias. Only below the low of last week and 55-day average at US\$2,957~2,952/oz though would be treated as a more meaningful pause in the uptrend.

Resistance:

- 3242/3262*
- 3292/3300*
- 3340/3350**
- 3371
- 3400

Support:

- 3138
- 3090*
- 2957/2952**
- 2930
- 2880*

Resistance/Support tables rank objective importance of levels by stars *, **, to *** being the most important.

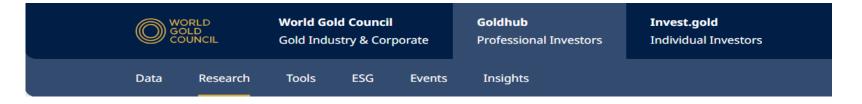
Market performance and positioning

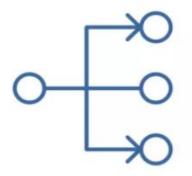
		Asset Pe	rformance			Positioning and Flows						
Asset	Friday close	W/W % chg	Y-t-d % chg	W/W Z-score	Wk corr	W/W corr Δ		share of oi	52w z-score			s: % above/below
		W/W 70 Clig	-				latest	prior			4w	12w
Gold	3,230.5	5.76	23.82	2.16	1.00	0.00	18%	21%	-2.34		75%	63%
Commodities and FX												
Silver	32.3	9.20	11.78	1.98	0.69	0.02	12%	21%	-1.42		58%	55%
Commodities	101.5	1.81	2.75	0.82	0.19	-0.38	-6%	-7%	0.13		48%	48%
Oil	61.5	-0.79	-14.25	0.00	0.04	0.03	3%	4%	-1.89		39%	48%
Dollar	100.1	-2.84	-7.73	-2.24	-0.12	0.15	16%	7%	0.68		53%	51%
Equities												
S&P 500	5,363.4	5.70	-8.81	2.08	-0.07	-0.28	-7%	-9%	1.19		48%	51%
NASDAQ	16,724.5	7.29	-13.39	2.17	-0.08	-0.29	1%	-10%	3.15		47%	48%
EuroStoxx	486.8	-1.92	-4.10	-2.89	-0.05	-0.12				•		
CSI300	3,750.5	-2.87	-4.69	1.14	0.21	0.28						
Sensex	75,157.3	-0.28	-3.82	-2.24	0.02	0.02						
Nikkei	33,585.6	-0.58	-15.81	2.08	0.16	-0.01	11%	10%	1.60		43%	41%
MSCI EAFE	2,297.7	0.72	1.59	0.41	0.10	-0.04	1%	1%	1.05		46%	47%
MSCI EM	1,045.2	-3.90	-2.82	-1.69	-0.28	-0.40	-3%	-5%	-1.51		36%	22%
Fixed income												
US 2y*	4.0	0.31	-0.28	2.52	-0.04	0.13	44%	44%	-0.61		50%	48%
US 10y*	4.5	0.50	-0.08	3.01	0.05	0.11	42%	36%	2.69		51%	50%
JPNY 10y*	1.3	0.11	0.22	3.01	0.03	0.16				6		
Other												
Bitcoin	83,820.6	-0.37	-10.56	-0.24	0.06	0.09	-49%	-61%	2.13		47%	43%

Key Resources

Goldhub

Tools for Professional Investors.





GRAM

Gain a deeper understanding of the relationship between the gold price and its key drivers with our Gold Return Attribution Model (GRAM).

QaurumSM

Determine gold's implied returns under a range of scenarios. Our interactive, web-based tool makes understanding gold's performance easier and more intuitive.

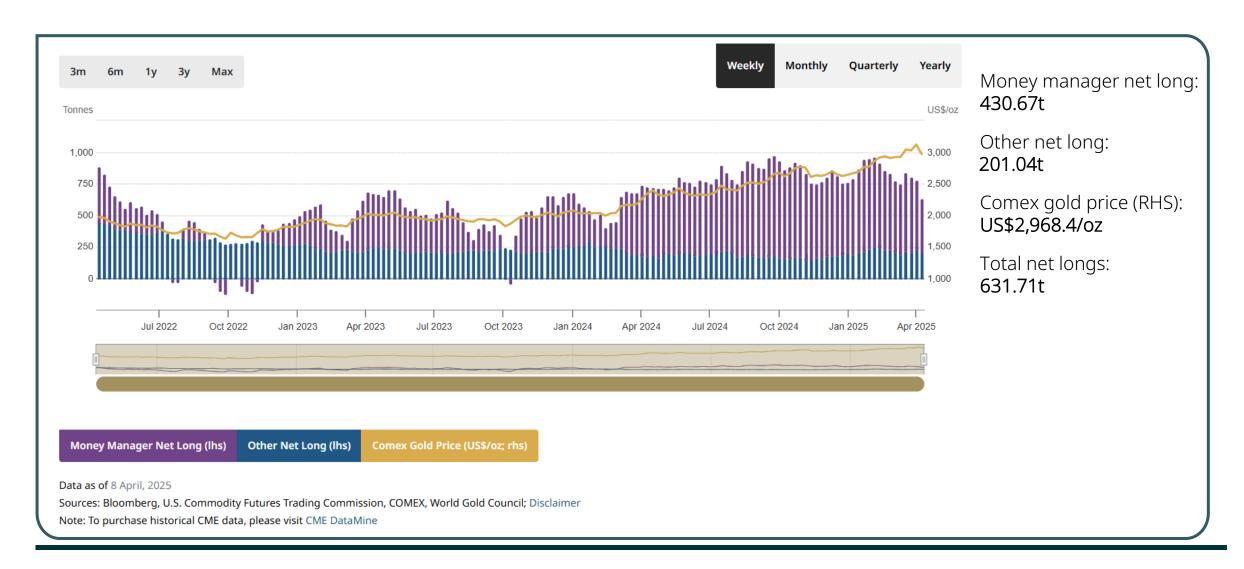
GLTER

Gold's Long-Term Expected Return. Setting out a framework to account for Gold's contribution to portfolio returns.



Appendix 1

COMEX positioning (tonnes)

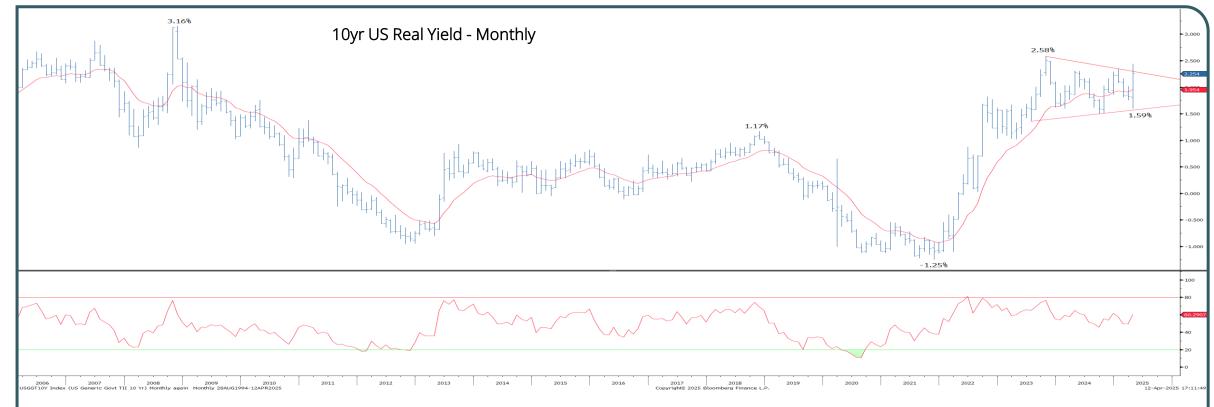


Gold Drivers - The USD is threatening a more meaningful change of trend lower



The DXY saw a further dramatic fall last week, briefly moving below the lows of 2023 and 2024 before staging a recovery late on Friday after successfully defending support from the 61.8% retracement of the 2021/2022 uptrend at 98.98. Despite this rebound, we have now seen the falling 13- and 40-week averages cross lower to complete a bearish "dead cross" and with the recent small rebound also capped below the falling 200-day average this is seen to raise the real prospect we may be seeing the emergence of a more sustained and material downturn in the USD. Whilst resistance at 104.68 caps the overall risk will stay seen lower for a fresh attempt to sustained below the lows of 2023 and 2024 for a retest of 98.98. Beneath here would be seen to reinforce a broader downtrend with the next meaningful support seen at the 78.6% retracement and 2022 low at 94.68/94.63.

Gold Drivers – 10yr US Real Yields though are threatening a worrying break higher



10yr US Real Yields though have instead risen aggressively, moving in the opposite direction to their typical relationship to the USD and briefly moved above their high of 2024. Although yields retreated late on Friday whilst yield support at 1.96% holds the overall risk will be seen for higher yields. Key from a medium-term perspective is seen the 2.58% high of 2023 as a sustained hold above here would be seen to confirm the completion of a large positive "triangle" continuation pattern to warn of a more sustained and worrying trend higher in yields. Resistance would be seen next at 3.00%, then the 2008 high at 3.16%. Below 1.96% would be seen to ease the positive yield bias to reinforce a broader sideways ranging environment.

The S&P 500 has stabilised, but for now strength is seen as a temporary relief



The dramatic fall in the **S&P 500** was eventually arrested at support at the 2022 high and 50% retracement of the 2022/2025 uptrend at 4,820/19 and the market staged an impressive recovery on the announcement of a 90-day pause in a range of tariff measures. Whilst this may lead to further near-term gains **the market remains below a cluster of resistances**, starting at last week's high at 5,481 ahead of Fibonacci resistance at 5,646 and then the **falling 55- and 200-day averages at 5,754/5,788**. Whilst this latter area caps the overall trend/risk for the market will stay seen lower for a retest of 4,820/19. Below here would then be seen to expose what we view as meaningful long-term support from its **200-week average, currently at 4,680**. This key long-term average has often proved to be the maximum drawdown in severe market corrections.

Brent Crude Oil has resolved its long-term sideways range to the downside



Brent Crude Oil has also seen a dramatic two weeks with the market falling aggressively after again being capped by its falling 200-day average and crucially this has seen the market resolve its long-term sideways range that has been in place from early 2023 to the downside to suggest the core trend has turned lower. Whilst resistance at \$75.47 caps the trend will stay seen lower with support seen at last week's low at \$58.40 initially ahead of the September 2020 high at \$46.53 and then the 78.6% Fibonacci retracement of the 2020/2022 uptrend at \$42.33. If correct, this would be seen to add a more negative tone to the inflation picture.

Key Technical data

	Last	YTD High	YTD Low	55-day sma	200-day sma	9-week RSI
Gold	\$3238	\$3245	\$2615	\$2952	\$2688	81.34%
Silver	32.31	34.59	28.35	32.34	30.92	52.50%
DXY	100.10	110.18	99.01	105.38	104.79	22.43%
US 10yr Yield	4.49%	4.81%	4.10%	4.36%	4.22%	56.73%
US 2yr Yield	3.96%	4.42%	3.43%	4.06%	4.12%	45.06%
S&P 500	5363	6147	4835	5788	5754	35.67%
Nasdaq 100	18690	22223	1654	20377	20259	36.83%
Euro STOXX 600	486.80	565.18	464.26	539.93	520.92	24.91%
Nikkei 225	33586	40289	30793	37528	38315	24.01%
CSI 300	3751	4025	3514	3887	3719	38.72%
Brent Crude	\$64.76	\$82.63	\$58.40	\$72.55	\$75.37	28.67%
XBT	83821	109000	74425	87095	86870	45.94%
					RSI levels in red highlight o	verbought/oversold extremes

Last week's ECO data, and surprises

				07.04	08.04	09.04	10.04	11.04
Rel	Where	2000	What	Mon	Tue	Wed	Thu	Fri
97.2	US	8888	CPI MoM				-0.1	
95.7	US	2000	CPI YoY				2.4	
94.3	US	2000	U. of Mich. Sentiment					50.8
92.9	US	10000	PPI Final Demand MoM					-0.4
80.9	US		Wholesale Inventories MoM			0.3		
78.5	CN	*.:	CPI YoY				-0.1	
77.7	US		CPI Ex Food and Energy MoM				0.1	
73.8	US		CPI Ex Food and Energy YoY				2.8	
72.3	CN	*3	PPI YoY				-2.5	
70.9	US		PPI Final Demand YoY					2.7
69.2	DE		CPI YoY					2.2
68.8	US		PPI Ex Food and Energy MoM					-0.1
67.4	US		PPI Ex Food and Energy YoY					3.3
64.9	DE		Industrial Production SA MoM	-1.3				
64.6	JP		PPI YoY				4.2	
63.1	JP		BoP Current Account Balance		4060.7			
60.6	DE		CPI EU Harmonized YoY					2.3
59.6	US		NFIB Small Business Optimism		97.4			
58.9	IN	•	Industrial Production YoY					2.9
56.9	CN	*1	Foreign Reserves	3240.7				
53.8	JP		Money Stock M2 YoY					0.8
51.5	JP		Money Stock M3 YoY					0.4
44.0	US		Consumer Credit	-0.8				
31.2	US		U. of Mich. 1 Yr Inflation					6.7
29.8	US		U. of Mich. 5-10 Yr Inflation					4.4
27.0	US		U. of Mich. Expectations					47.2
25.5	US		U. of Mich. Current Conditions					56.5
23.4	US		PPI Ex Food, Energy, Trade YoY					3.4

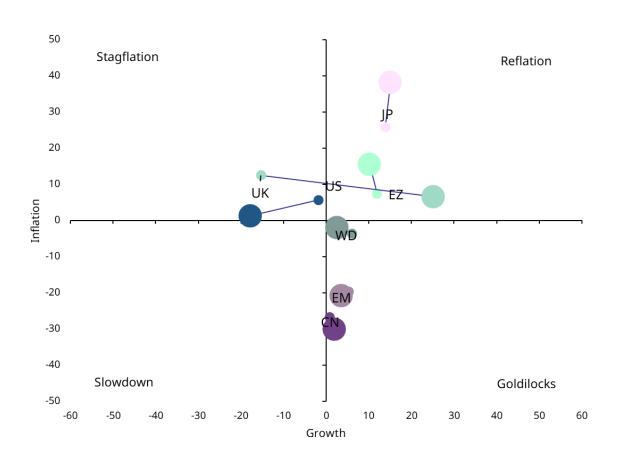


Table shows data releases from Bloomberg with colour denoting actual vs expected by Bloomberg contributor estimates (e.g green: actual beat survey expectations) Source: Bloomberg, World Gold Council

Chart shows the intersection of economic and inflation data surprises with the 3m mov avg of surprises as a small dot and the latest Friday reading as a large dot. Source: Bloomberg, World Gold Council

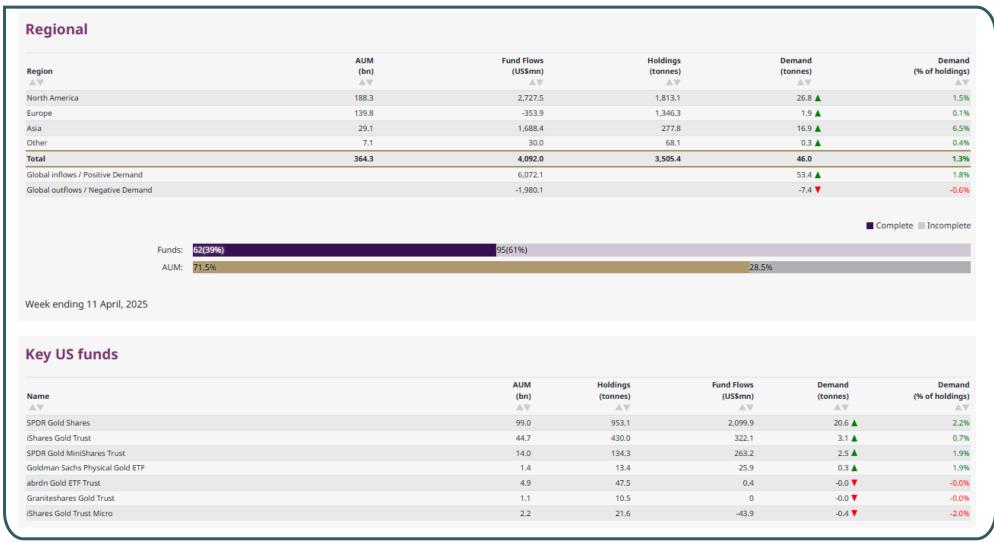


Weekly COMEX futures positioning data

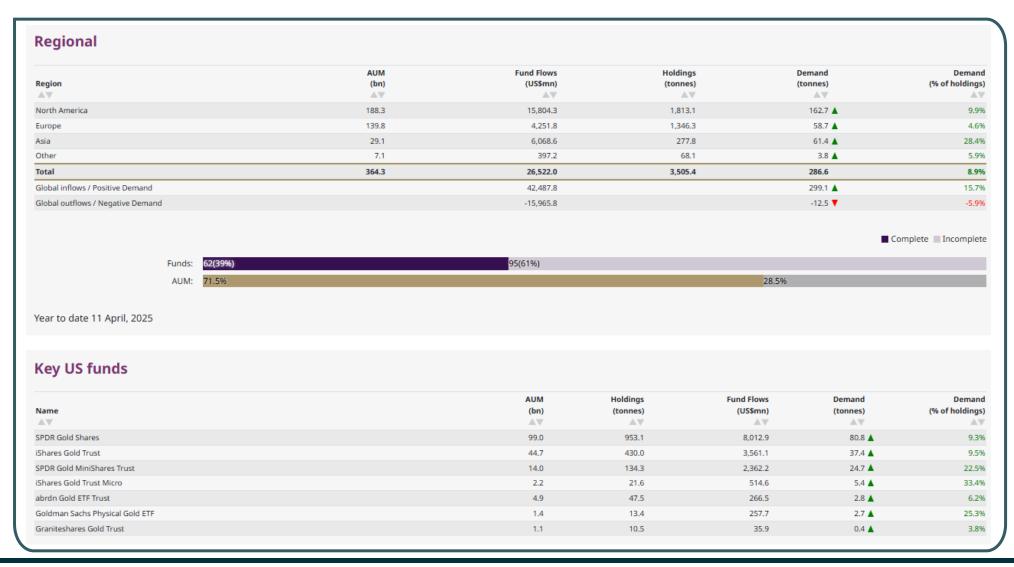
	Prod	ucer		Positions				Cha	nges		Sw	ар		Posit	tions		Changes			
Date	Long	Short	Net ton	mm	US\$bn	mm	Net ton Δ	m/m Δ	US\$bn Δ	m/m Δ	Long	Short	Net ton	mm	US\$bn	mm	Net ton Δ	m/m Δ	US\$bn Δ	m/m Δ
28/01/25	123.1	374.5	-251.4		-\$22.3				0.0		91.1	868.8	-777.7		-\$69.1				0.0	
04/02/25	132.5	330.1	-197.6		-\$18.1		53.8		4.3		63.9	909.3	-845.4		-\$77.3		-67.7		-8.2	
11/02/25	146.5	334.1	-187.6		-\$17.5		9.9		0.6		54.5	856.4	-801.9		-\$74.7		43.5		2.6	
18/02/25	154.5	335.4	-180.9		-\$17.1		6.7		0.4		45.6	802.3	-756.6		-\$71.4		45.3		3.3	
25/02/25	141.2	319.3	-178.1	-178.1	-\$16.7	-\$16.7	2.9	73.3	0.4	\$5.6	37.7	778.0	-740.3	-740.3	-\$69.4	-\$69.4	16.4	37.4	2.0	-\$0.3
04/03/25	144.4	316.6	-172.2		-\$16.2		5.8		0.5		42.3	732.9	-690.6		-\$64.8		49.7		4.6	
11/03/25	143.2	311.4	-168.2		-\$15.8		4.0		0.4		49.1	726.7	-677.6		-\$63.5		13.0		1.3	
18/03/25	154.6	344.0	-189.4		-\$18.5		-21.3		-2.7		42.2	768.5	-726.3		-\$70.9		-48.7		-7.3	
25/03/25	125.3	309.7	-184.4	-184.4	-\$17.9	-\$17.9	5.0	-6.3	0.6	-\$1.2	40.3	747.9	-707.6	-707.6	-\$68.7	-\$68.7	18.7	32.7	2.2	\$0.7
01/04/25	115.4	305.6	-190.2		-\$19.0		-5.8		-1.1		71.2	742.1	-670.9		-\$67.2		36.7		1.6	
08/04/25	112.8	272.2	-159.5		-\$15.3		30.7		3.7		89.0	661.8	-572.8		-\$54.9		98.1		12.2	
Contracts	36,258	87,524	-51,266				9,880				28,610	212,762	-184,152				31,542			

Report	Managed	d Money		Positions				Cha	nges		Oth	ner		Posi	tions		Changes			
Date	Long	Short	Net ton	mm	US\$bn	mm	Net ton Δ	m/m Δ	US\$bn Δ	m/m Δ	Long	Short	Net ton	mm	US\$bn	mm	Net ton Δ	m/m Δ	US\$bn Δ	m/m Δ
28/01/25	755.3	38.1	717.2		\$63.7				0.0		323.2	88.2	235.0		\$20.9				0.0	
04/02/25	793.3	77.2	716.1		\$65.4		-1.1		1.7		342.1	93.5	248.6		\$22.7		13.6		1.8	
11/02/25	757.1	86.6	670.5		\$62.5		-45.6		-3.0		334.8	92.0	242.8		\$22.6		-5.8		-0.1	
18/02/25	720.9	92.7	628.2		\$59.3		-42.3		-3.2		318.8	92.3	226.5		\$21.4		-16.3		-1.2	
25/02/25	695.0	90.5	604.5	604.5	\$56.7	\$56.7	-23.7	-112.7	-2.6	-\$7.1	315.6	88.3	227.3	227.3	\$21.3	\$21.3	0.8	-7.7	-0.1	\$0.4
04/03/25	675.1	107.3	567.9		\$53.3		-36.7		-3.4		295.2	88.6	206.6		\$19.4		-20.7		-1.9	
11/03/25	670.7	104.1	566.6		\$53.1		-1.3		-0.2		273.8	87.5	186.3		\$17.5		-20.4		-1.9	
18/03/25	732.2	109.6	622.6		\$60.7		56.0		7.6		310.8	98.0	212.8		\$20.8		26.5		3.3	
25/03/25	705.1	105.8	599.3	599.3	\$58.2	\$58.2	-23.2	-5.2	-2.5	\$1.5	304.9	99.9	205.0	205.0	\$19.9	\$19.9	-7.8	-22.4	-0.9	-\$1.4
01/04/25	672.9	123.8	549.2		\$55.0		-50.2		-3.2		335.9	104.7	231.2		\$23.1		26.2		3.2	
08/04/25	563.1	132.4	430.7		\$41.3		-118.5		-13.7		273.7	72.6	201.0		\$19.3		-30.1		-3.9	
Contracts	181,033	42,568	138,465				-38,088				87,983	23,347	64,636				-9,693			

Weekly ETF Flows



Year-to-date ETF Flows



Gold market trading volumes

		FY 2024	YTD 2025	DEC 2024	JAN 2025	FEB 2025	MAR 2025
▶ отс	LBMA	113.49	140.81	134.69	133.84	151.79	137.65
	Non-LBMA (Mid)	6.36	7.04	6.73	6.69	7.59	6.88
	Shanghai Gold Exchange	7.84	10.03	8.04	9.65	9.54	10.78
	Total OTC	127.69	157.88	149.47	150.18	168.92	155.32
▼Exchanges	COMEX	72.38	87.39	54.51	88.75	82.60	90.37
	Futures	57.29	67.73	43.72	69.65	59.21	73.53
	Options	15.09	19.65	10.80	19.10	23.39	16.84
	Shanghai Futures Exchange	24.03	36.74	26.39	28.95	39.71	40.88
	Shanghai Gold Exchange	2.01	2.77	1.97	2.34	3.11	2.88
	Au9999 and other spot	0.63	0.73	0.57	0.65	0.76	0.77
	Deferred	1.38	2.05	1.40	1.69	2.34	2.10
	All other exchanges	4.25	3.73	3.09	3.32	4.01	3.88
	Total Exchanges	102.68	130.64	85.96	123.35	129.42	138.00
Gold ETFs	North America	2.28	3.20	2.05	2.57	3.60	3.47
	Europe	0.30	0.33	0.21	0.27	0.38	0.35
	Asia	0.32	0.47	0.35	0.38	0.56	0.48
	Other	0.02	0.02	0.03	0.02	0.03	0.02
	Total gold ETFs	2.92	4.03	2.64	3.24	4.57	4.32
Total	Global gold market liquidity	233.29	292.55	238.07	276.78	302.91	297.64



Appendix 2 Options market summary



Gold options delta adjusted notional

Delta adjusted notional set to expire

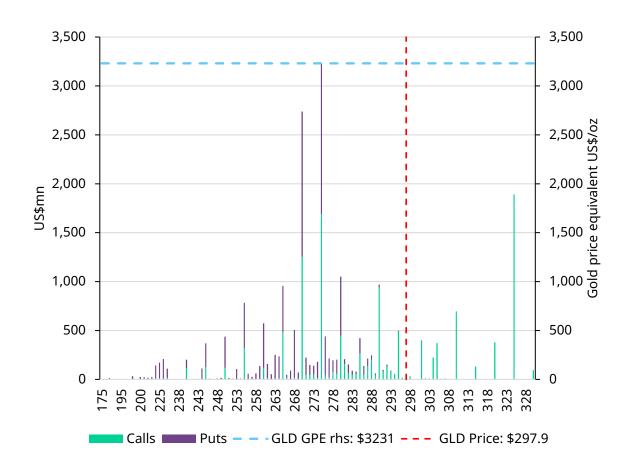
Active monthly options net delta adjusted notional set to expire



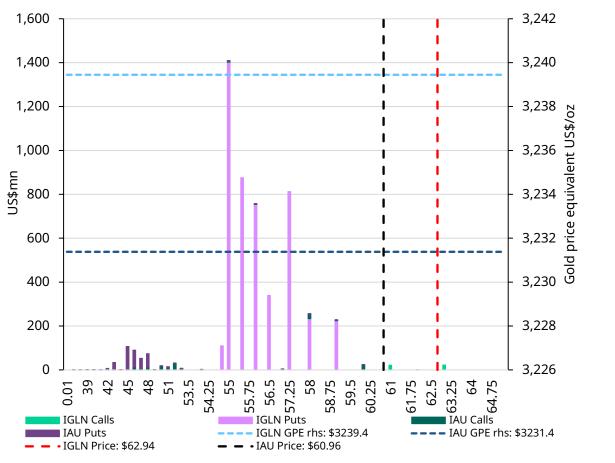
Туре	Net delta adjusted notional												
туре	Tickers	Country	Price	Net∆adj. notional US\$mn	Expiry								
	GLD	US	297.9	8,138.3	17-Apr-25								
Ę	IAU	US	61.0	148.2	17-Apr-25								
Option	SGOL	US	30.8	1.8	17-Apr-25								
0	OUNZ	US	31.2	0.1	17-Apr-25								
	IGLN	UK	62.9	-143.5	17-Apr-25								
Future	GCA	US	3,250.1	15,818.3	24-Apr-25								
Fut	AUAA	CN	103.2	127.8	24-Apr-25								
				·									

ETF Options: OI notional by strike

GLD options: 17 April expiry

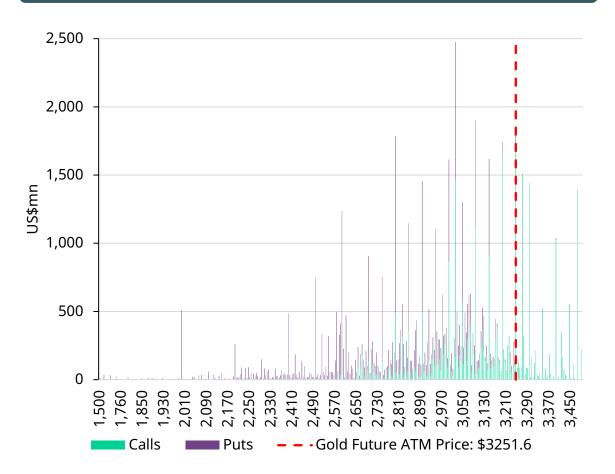


IAU & IGLN options: 17 April expiry

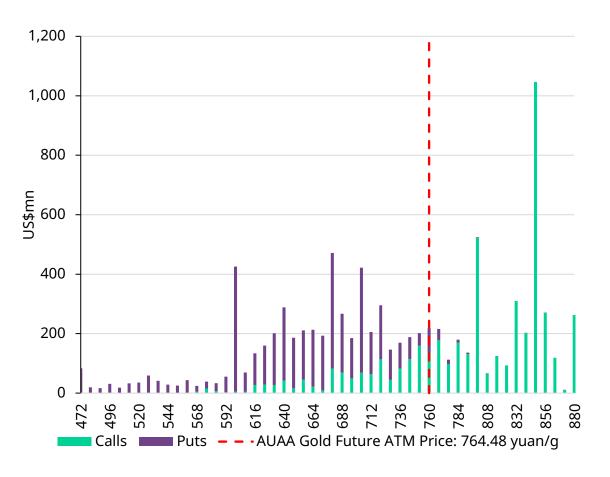


Future Options: OI notional by strike

GCA options: 24 April expiry

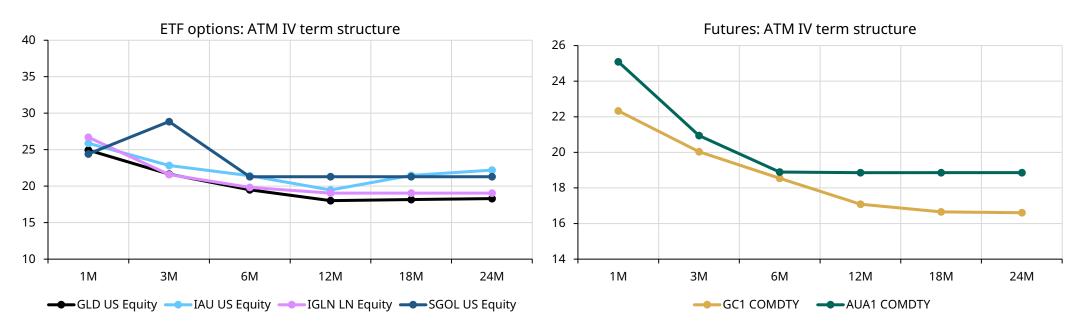


AUAA options: 24 April expiry



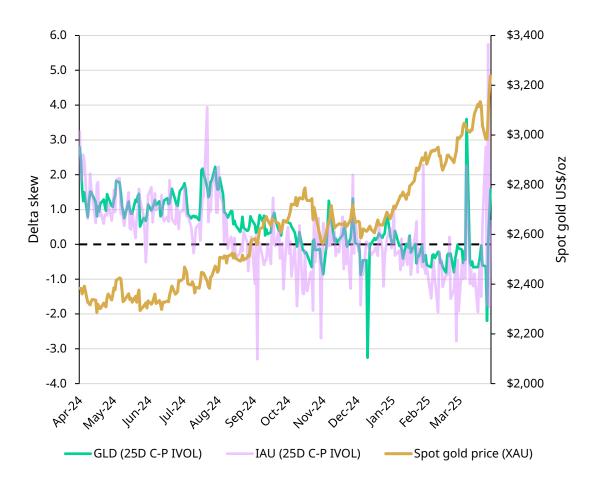
Gold options volatility overview

Туре	Ticker	Country	Pi		ATM Implie		Realized Volatility								
Турс	TICKEI		Price (\$US)	5D %Δ	1M %Δ	1M IV	1Μ Δ	1Y %-ile	3M IV	1Μ Δ	1Y %-ile	30D RVol	1Μ Δ	90D RVol	1Μ Δ
	GLD	US	297.9	6.5%	8.2%	24.94	9.5	100.0%	21.66	6.2	100.0%	20.01	5.9	16.17	-0.1
Ę	IAU	US	61.0	6.5%	8.3%	25.88	11.3	100.0%	22.84	10.0	100.0%	19.79	5.8	16.01	-0.2
Option	SGOL	US	30.8	6.4%	8.2%	24.42	8.5	97.9%	28.85	12.6	99.1%	19.63	5.6	16.02	-0.2
O	OUNZ	US	31.2	6.4%	8.3%	29.21	-79.5	89.5%	32.00	-44.0	90.7%	19.77	5.7	16.03	-0.2
	IGLN	UK	62.9	7.0%	8.4%	26.70	10.9	100.0%	21.59	5.4	99.5%	17.99	5.9	14.86	0.4
Future	GCA	US	3,249.4	9.3%	7.3%	22.33	6.4	#N/A	20.04	3.9	99.9%	20.24	5.0	16.91	0.3
Fut	AUAA	CN	103.2	6.9%	10.3%	25.09	4.3	98.8%	20.94	5.4	99.6%	15.61	2.2	12.69	0.4

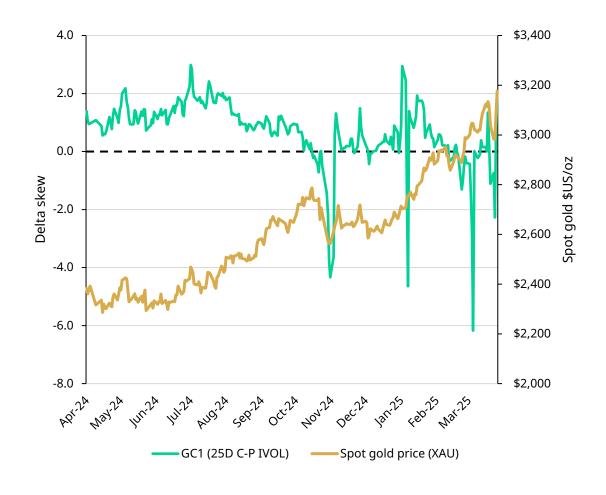


Gold options delta skew

GLD & IAU 1M Skew (25D C-P IVOL)



GCA 1M Skew (25D C-P IVOL)





Appendix 3 Glossary of Technical Analysis terms

Technical Analysis Glossary

Advance/Decline Line	A popular type of Breadth Indicator (see below) which represents the cumulative number of individual stocks in a broader index that have risen during a session, against those in the index that have fallen.
Bar chart	A bar chart shows the open, close, low and high of the price of an instrument over a specific time-period. A vertical bar shows the low to high move, with the open a small horizontal bar to the left of the vertical line and with the close a small horizontal bar to the right.
Bollinger Bands	Shows bands that represent 2 standard deviations above and below a central move moving average, typically a 20 period average. The bands are expected to typically capture 95% of price action under normal conditions.
Breath Indicators	Breath indicators describe a range of indicators that aim to show the internal strength of a specific equity market index (see Advance/Decline line).
Candlestick chart	A method of representing open/high/low/close data, originally from Japan. The candlestick (or candle) is formed of a rectangle which represents the open to close move, called the real body, with this shaded different colours depending on whether a higher or lower close was seen for the session. The low and high are shown as vertical lines above and below the real body/rectangle.
Continuation Pattern	A pattern that indicates a consolidation phase which is a pause within the direction of the current prevailing trend.
Divergence	When two separate measures behave differently. For example, when a new high or low in price is not confirmed/matched by a corresponding new high or low in a momentum indicator, hence showing a divergence.
Double Top/Bottom	A Double Top is a type of Reversal Pattern (see below) formed during an uptrend when two price highs occur at approximately the same level. Completion of the pattern is signalled when the "neckline" to the pattern (see below) is broken. A Double Bottom is the exact opposite setup.
Fibonacci retracements	Horizontal lines that can indicate where support and resistance can potentially be found when a market retraces following a trending move. The percentage value shown is how much of the prior trend the price has retraced. The Fibonacci retracement levels typically shown are 23.6%, 38.2%, 50%, 61.8% and 78.6%.
Fibonacci projections	Horizontal lines that can indicate where support and resistance can potentially be found in the direction of the current trend. The percentage values are applied to the prior trending move, projected off the low/high of the subsequent corrective counter-trend move. The Fibonacci projection levels typically shown are 50%, 61.8%, 100%, 150% and 161.8%.

Technical Analysis Glossary

Flag	A Flag pattern in a classic continuation pattern, characterised by a sharp rise or fall (the flagpole) followed by a short-lived counter-trend move (the flag). They are expected to be resolved in the direction of the prevailing trend.
Head & Shoulders Top/Bottor	n A Head & Shoulders price pattern is a classic trend reversal pattern that appears with three peaks, where the outside two are seen closer in height and the middle peak is the highest. Completion of the pattern is signalled when the "neckline" to the pattern is broken (see below).
Measured Objective	Most technical patterns, regardless of whether they are reversal or continuation patterns come with a "measured objective", which is typically based on the size or height of the pattern. The objective is a potential indication of where the price may move to after a pattern has been completed.
Momentum	Momentum is the rate of acceleration or velocity of the underlying instrument/security. It is thus the speed at which the price of the security is changing.
MACD	Moving Average Convergence Divergence (MACD) is a trend-following indicator, often also used as a momentum indicator. It shows the relationship between two exponential moving averages of a security's price, know as the MACD line, with an exponential average then taken off this line (the Signal line).
Moving Average	A classic statistical moving average of the underlying price data of the security to give a guide to the direction of the prevailing price trend. Different periodicities are used to define short-, medium- and long-term trends. Also used to identify potential areas of support and resistance.
Moving Average Envelope	Shows bands which represent the percentage distance from a selected moving average, which can be used to identify potential support and resistance.
Neckline	A trendline which marks the point where a reversal pattern is confirmed, typically found by connecting the lows/highs of the pattern.
OnBalanceVolume	A cumulative volume indicator constructed by comparing the amount of volume traded seen on positive sessions to those on negative sessions.
Overbought	An overbought condition occurs when a price rally has extended too far to fast and is seen unlikely to extend further and a pause is likely to be seen.
Oversold	An oversold condition occurs when a price decline has extended too far to fast and is seen unlikely to extend further and a pause is likely to be seen.
Pennant	A Pennant pattern is a type of continuation price pattern, formed when there is a sharp rise or fall (the flagpole), followed by a short consolidation period within converging trend lines, similar in shape to a small triangle (the pennant). They are expected to be resolved in the direction of the prevailing trend.

Technical Analysis Glossary

Rectangle	A Rectangle pattern is a class of continuation price pattern where the price of a security is contained between two horizontal parallel trend lines, which is followed by a breakout in the direction of the prevailing price trend.
Resistance	Resistance is simply a potential high in the market for a period of time. Can be subjectively identified by a wide variety of potential measures, including old highs, old lows, trendlines, moving averages, Fibonacci retracements and projections to name a few.
Reversal Pattern	A class of pattern that can indicate when the underlying trend is reversing direction. Can be referred to as a top if the market is reversing an uptrend and a bottom if reversing an underlying downtrend. Common pattern types include, Head & Shoulders, Double Tops & Bottoms, Triple Tops & Bottoms & many more.
Relative Strength	The ratio between two financial instruments that shows which is outperforming or underperforming the other. Often used in portfolio construction.
RSI	The Relative Strength Index (RSI) is a type of momentum indicator that measures the speed of recent price changes. It can be used to identify overbought and oversold conditions in both sideways and trending markets, typically when the indicator moves above 70 and below 30 respectively. It can also be used to confirm trend direction and also identify potential trend when reversal when divergences between the RSI and price occur.
Support	Support is simply a potential low in the market for a period of time. Can be subjectively identified by a wide variety of potential measures, including old lows, old highs, trendlines, moving averages, Fibonacci retracements and projections to name a few.
Triangle	Triangles cover a range of classic price continuation patterns, including symmetrical, ascending and descending triangle patterns. They represent a pause in the underlying trend, with price action contained by trendlines in a triangular range. Resolution is followed by the resumption of the trend in the underlying direction.
Trend Channel	Two parallel rising or falling trend lines (see below) which can be used to define the direction and potential support and resistance.
Trend Line	A subjective line drawn to define the underlying trend and also highlight potential support and resistance. An uptrend line is drawn connecting price lows and is only seen valid when there a minimum of 3 points of contact. A downtrend line is drawn connecting price highs and is again only seen valid when there are a minimum of 3 points of contact.
Volume	The total number of securities traded (bought or sold) over a specified time period. Typically used to confirm/non-confirm trend direction and can particularly play an important role in identifying technical reversal and continuations patterns.



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