

Welcome to 2024

This report was created using over 700 predictions from more than 100 different sources, including more than 20 bank reports and outlooks. We even tapped into non-text sources such as interviews and podcasts.

These predictions cover a wide range of topics, from economic growth and stock market performance to technological advancements and geopolitical events.

By reading this report, you'll gain a comprehensive understanding of what experts are forecasting for the year ahead, and be better prepared to make informed decisions for your business and investments.



- Visual Capitalist Team



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2023 in Review

- Geopolitics Economics
- Technology
 - Cultural Event

JAN

FEB



- 8th: China opens borders, ending zero-COVID policy.

23rd: Microsoft invests \$10B into OpenAl, extending partnership.

- 4th: Chinese "spy balloon" drifts over the Americas.

21st: Russia suspends participation in nuclear arms reduction treaty.

MAR

- 10th: SVB collapse and banking turmoil.

19th: UBS buys Credit Suisse for \$3.2B.

APR

- 4th: Finland named 31st NATO member, doubles NATO-Russia border.
- 15th: Germany closes nuclear plants, ends 50 years of nuclear power.



MAY

- 5th: WHO declares end of COVID-19 global emergency.
- 6th: Coronation of King Charles III.





18th: Titan submarine goes missing while exploring Titanic site.



23rd: Wagner Group begins conflict with Russian military.

14th: SAG-AFTRA announces strike.



July is the hottest recorded month for global average surface air temperature.

AUG

JUL

- 8th: Hawaiian wildfires burn 17,000 acres, killing over 100.



24th: BRICS to add Argentina, Ethiopia, Egypt, Iran, UAE, and Saudi Arabia in 2024.

SEP

- 1st: Novo Nordisk overtakes LVMH as Europe's largest company.



15th: United **Auto Workers** begin strike.

OCT



- 7th: Attacks on Israel and start of Israel-Hamas war.
- - **13th:** Microsoft closes acquisition of Activision Blizzard.

>ON

- 15-17th: Xi Jinping meets Biden in first U.S. visit since 2017.
- 17-21st: Sam Altman fired and reinstated as CEO of OpenAI.

- 13th: COP28 agrees on transition away from fossil fuels.



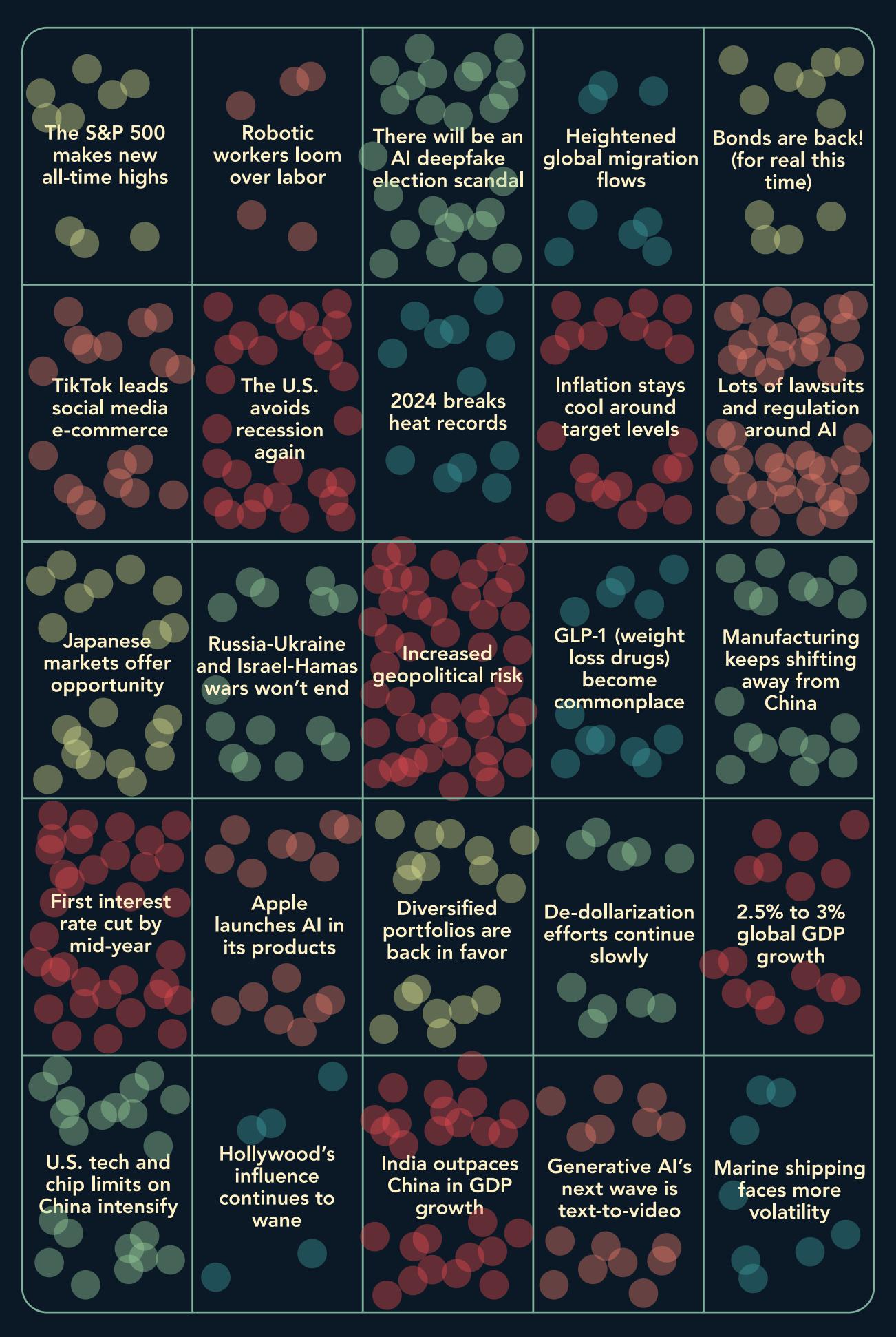
19th: Shipping firms suspend Red Sea activity after Houthi militants' attacks.

Prediction Consensus

We analyzed 700+ articles, reports, podcasts, and interviews to create this big picture look at what experts predict for the coming year.

- O Dots = Predictions
- Economy
- Technology
- Markets
- Geopolitics
- Everything Else

Experts believe that...

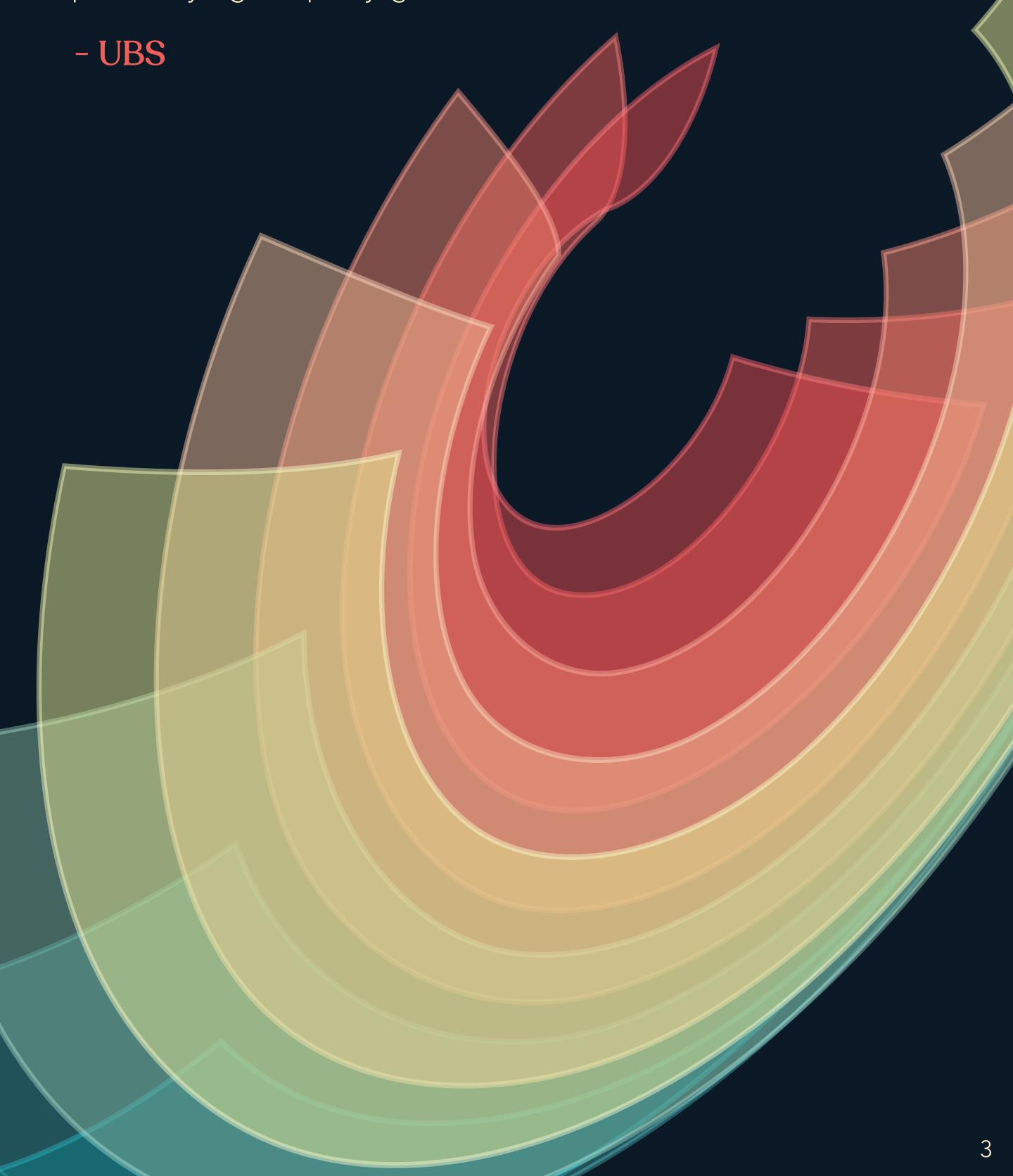


Sources: The Global Forecast Series predictions database which includes 700+ predictions from Deloitte, Goldman Sachs, Atlantic Council, IHS Markit, Reuters, IMF, Forrester, Zillow, USDA, State of AI Report, Hubspot, EIU, Bloomberg, Economist, Fitch Solutions, Wells Fargo, Linkedin, Fortune, CNBC, Forbes, Vox, Barrons, UBS, Vanguard, Mastercard, Morgan Stanley, NiemanLab, Knight Frank, Udemy, All-In Podcast, Oliver Wyman, C|Net, SearchBlog, WSJ, Exponential View, TrendOne, TrendHunter, No Mercy / No Malice, Colliers, CBRE, Cushman & Wakefield, Wood Mackenzie, Kiplinger, The Verge, Gartner, Nasdaq, Saxo Group, Eurasia Group, RANE, Instagram, Kantar, McKinsey, PwC, Coinbase, MIT Tech Review, Center for Strategic and International Studies, WIRED, TechCrunch, BlackRock, Schwab, ING, and many more...

Economics

We expect slower growth for the U.S. economy in 2024 as consumers face mounting headwinds.

We expect European growth to remain subdued, and China to enter a 'new normal' of lower, but potentially higher-quality, growth.

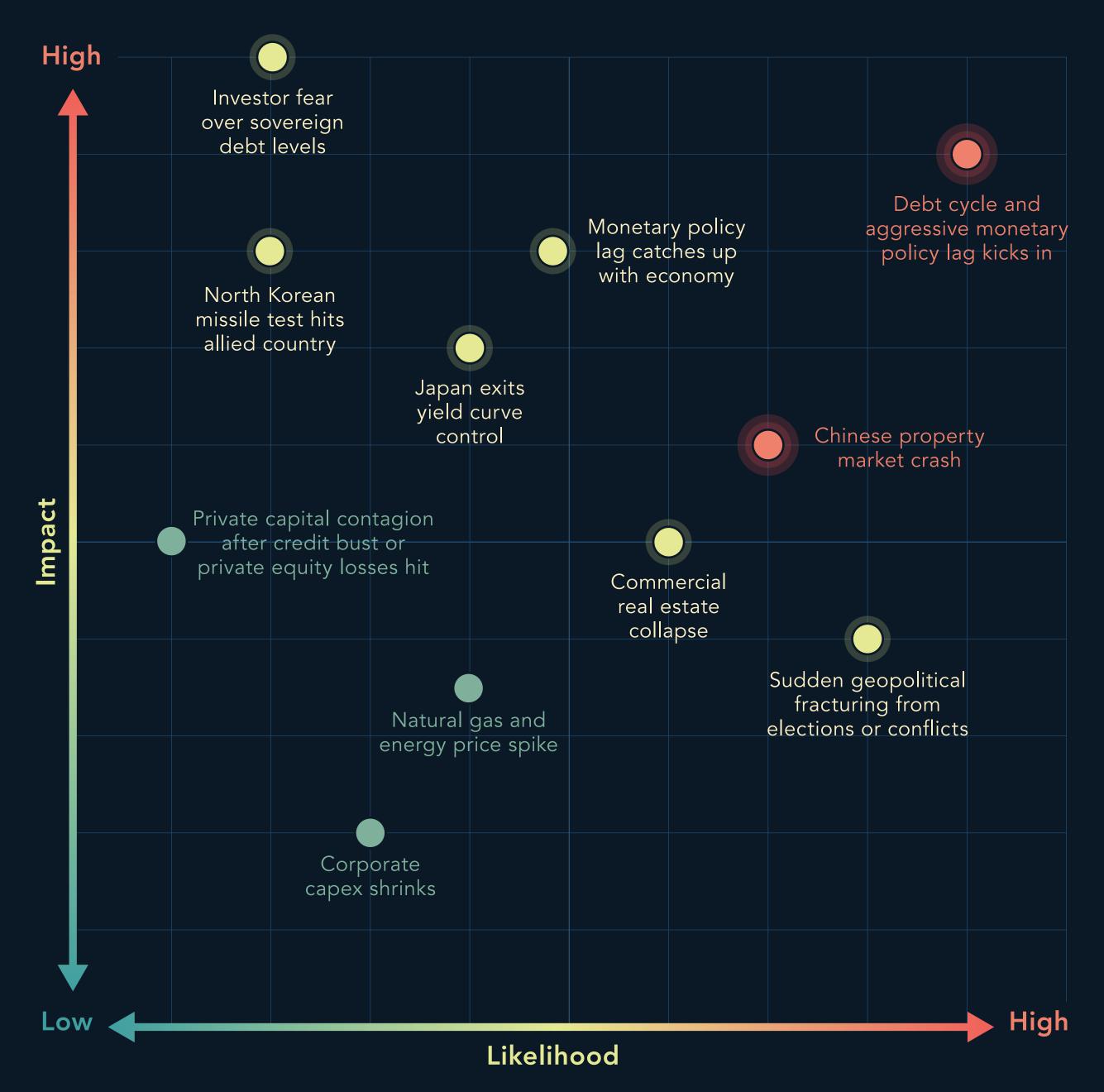


Biggest Risks

Likelihood & Impact of Economic Risks in 2024

66 History shows us that the biggest risks in a typical year aren't usually from out of left field. Rather, they are often hiding in plain sight.

- Charles Schwab



The 3 Biggest Risks in 2024



Election interference, results, and geopolitical fallout



Hard landing, sticky inflation, and no rate cuts



Major cyber attacks on U.S. infrastructure

By the summer of 2024 the U.S. election could be the biggest story in financial markets with potentially huge market and policy implications.

- Deutsche Bank

A soft landing is our base case for 2024, but the risks appear to be asymmetric to the downside.

- Bank of America

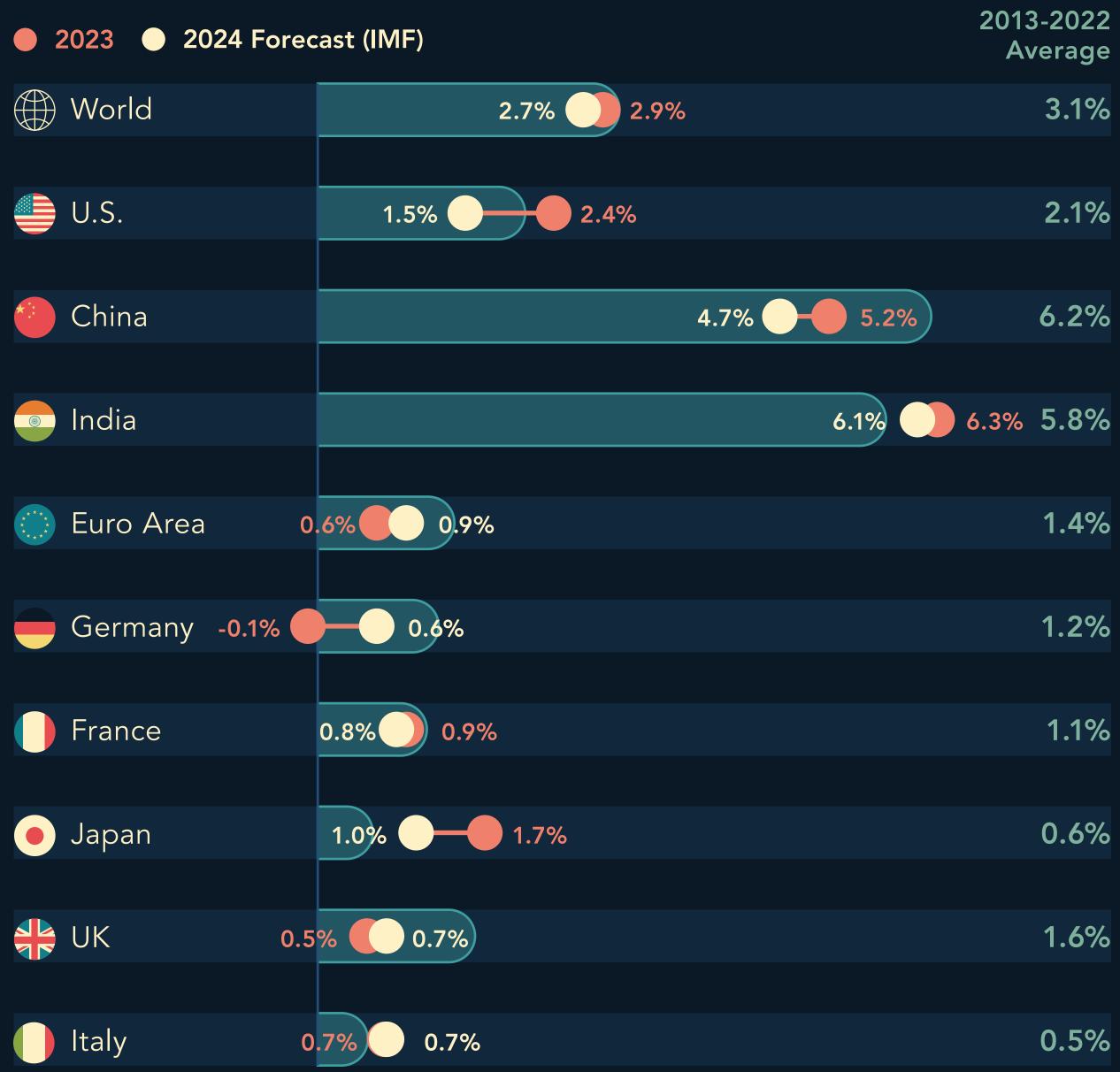
We see cyber attacks increasing in scope, scale and sophistication as geopolitical competition mounts. Tech advancements, especially AI, could increase the risk of malicious attacks.

- BlackRock

Source: Deutsche Bank

Global & Major Nations Growth Forecast

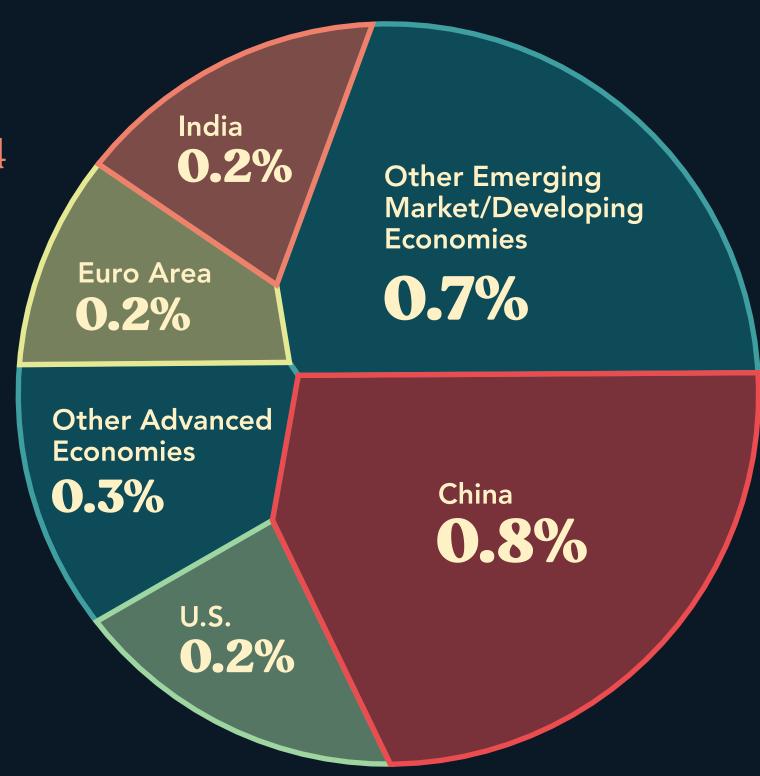
Annual Real GDP Growth



Contributions to Global Real GDP Growth in 2024

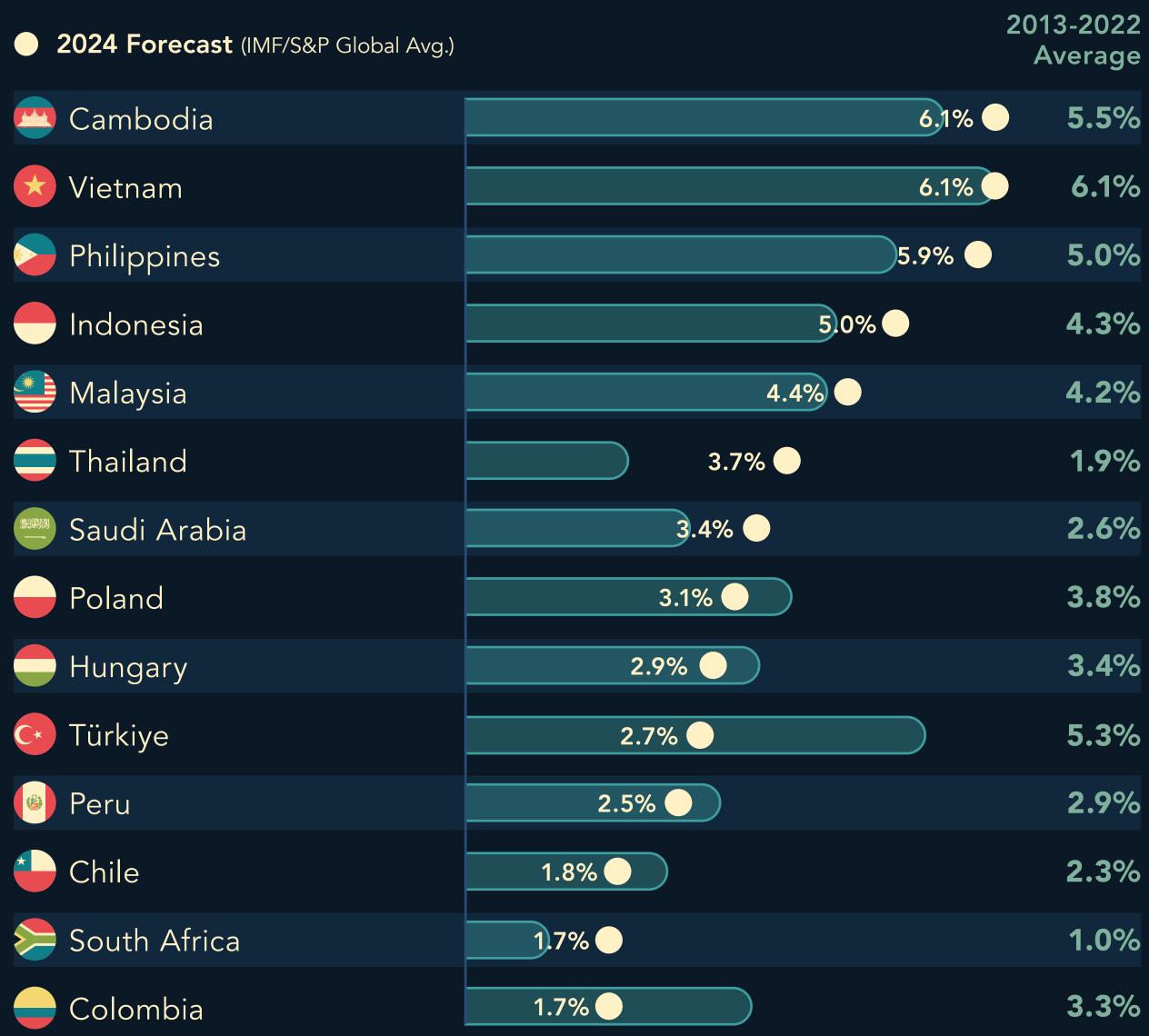
The World Bank's Global Real GDP Growth Forecast 2.4%

While The World Bank forecasts 2.4% global growth, the OECD, S&P Global, and the IMF forecast 2.7%, 2.8%, and 2.9% respectively.



Emerging Markets Growth Forecast

Annual Real GDP Growth

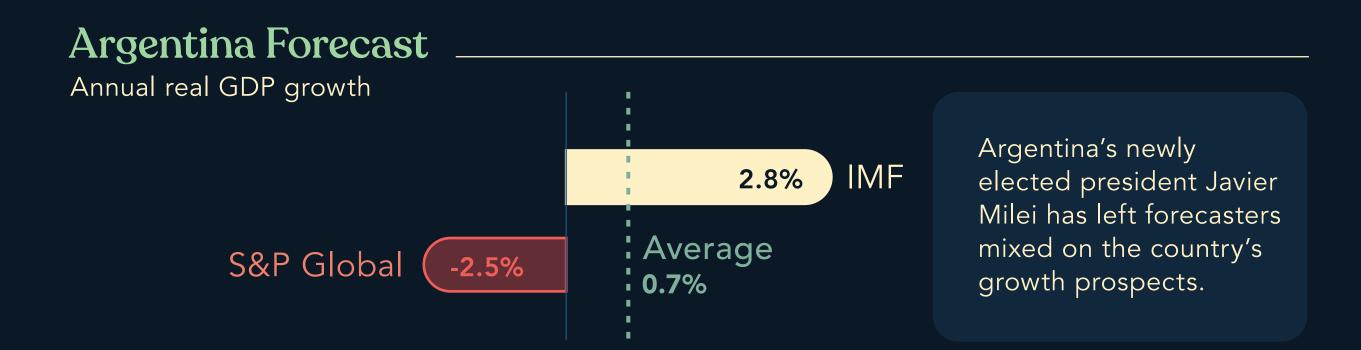


Emerging Market Uncertainties

Annual real GDP growth

Despite being favored by many analysts as emerging market picks, both Mexico and Brazil are forecasted to see significant declines in real GDP growth.





Sources: IMF, S&P Global

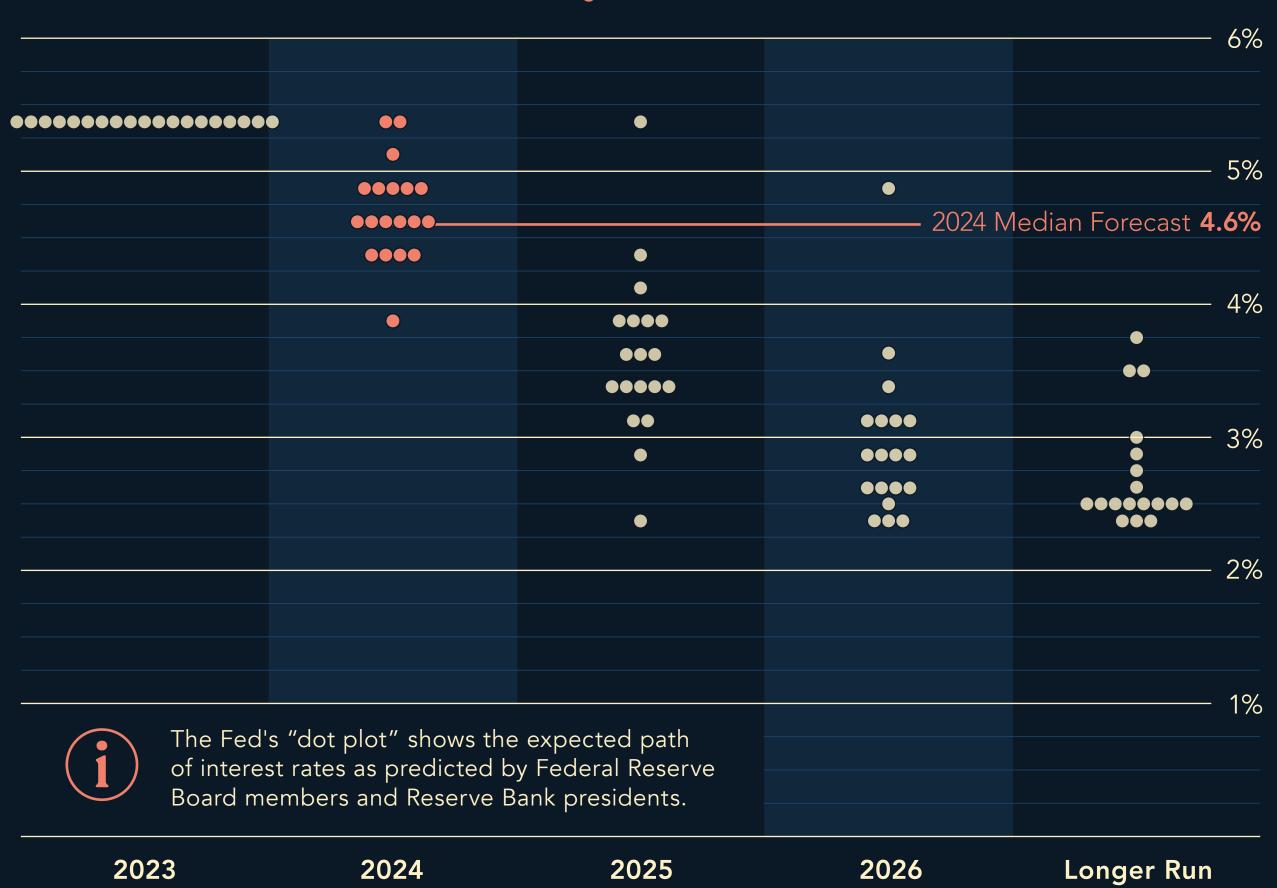
Interest Rate Projections

While Federal Reserve members are projecting two to three rate cuts in 2024, markets are pricing in a faster cutting cycle.

66 We believe that we are likely at or near the peak rate for this cycle.

- Jerome Powell Chair of the Federal Reserve

FOMC Federal Funds Rate Projections



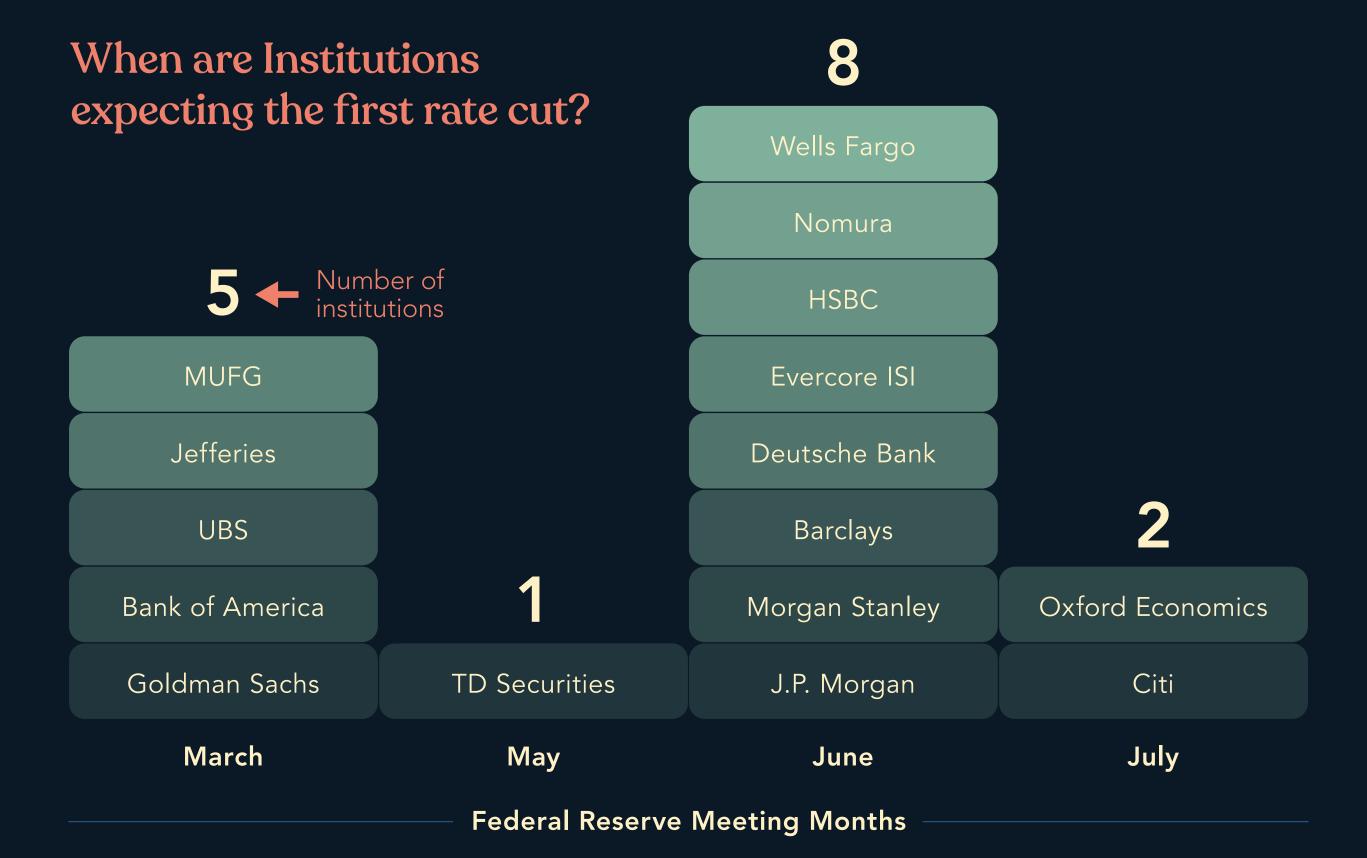
Market Expectations of Interest Rate Probabilities

Based on Fed Fund Futures Contracts ______ 6%

						7%	32%	93%
5%			2%	1%	7%	39%	64%	7%
		1%	14%	12%	39%	51%	5%	
	2%	8%	41%	41%	51%	3%		
	12%	27%	41%	43%	3%			
4%	30%	41%	3%	3%				
	37%	22%						
	18%	1%						
	1%							

Rate Cut Forecast by Institutions

Most institutions are expecting rate cuts to begin in June with 100 basis points of cuts by the end of 2024.



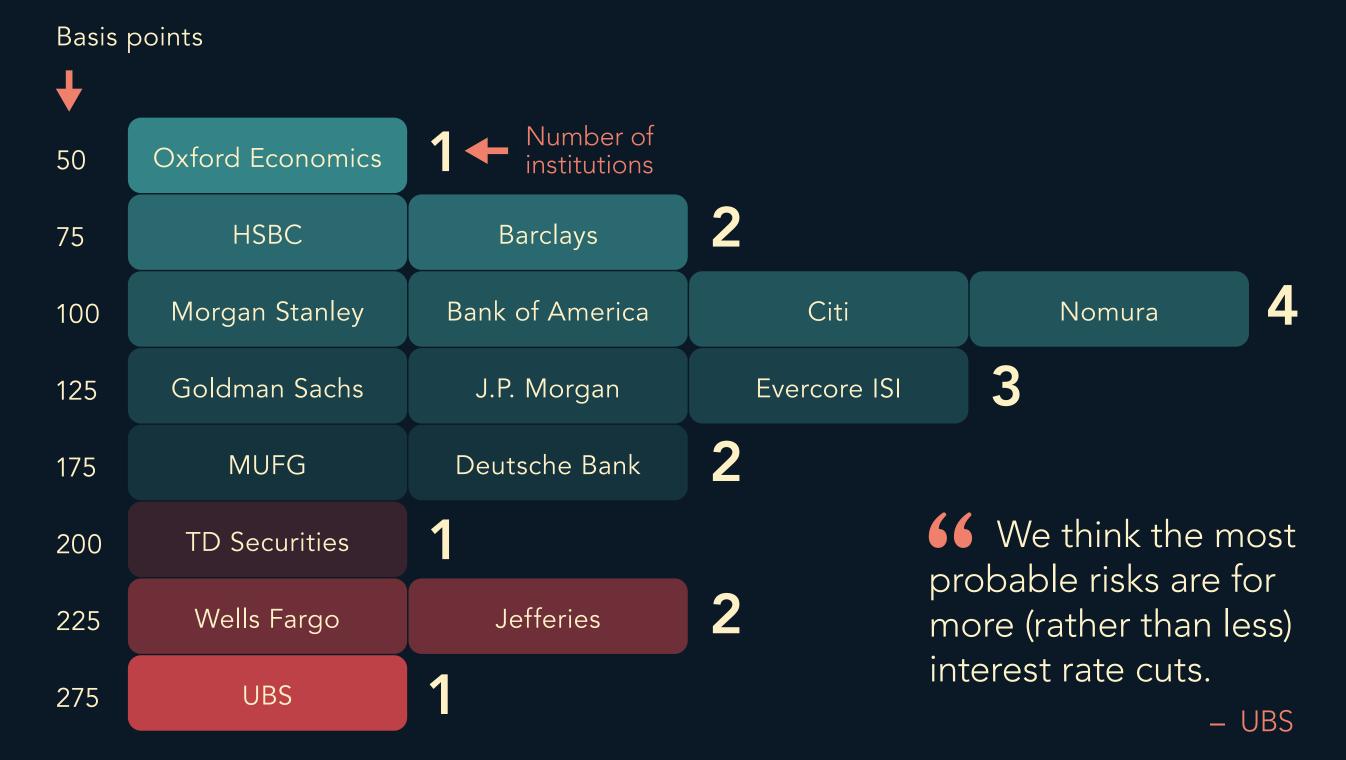
We expect the Fed to start cutting policy rates in July in response to a contraction in economic activity.

- Citi

Our view is for the first rate cut in June from the Fed and the ECB. BOE may become the first of the three to cut rates.

- Jefferies

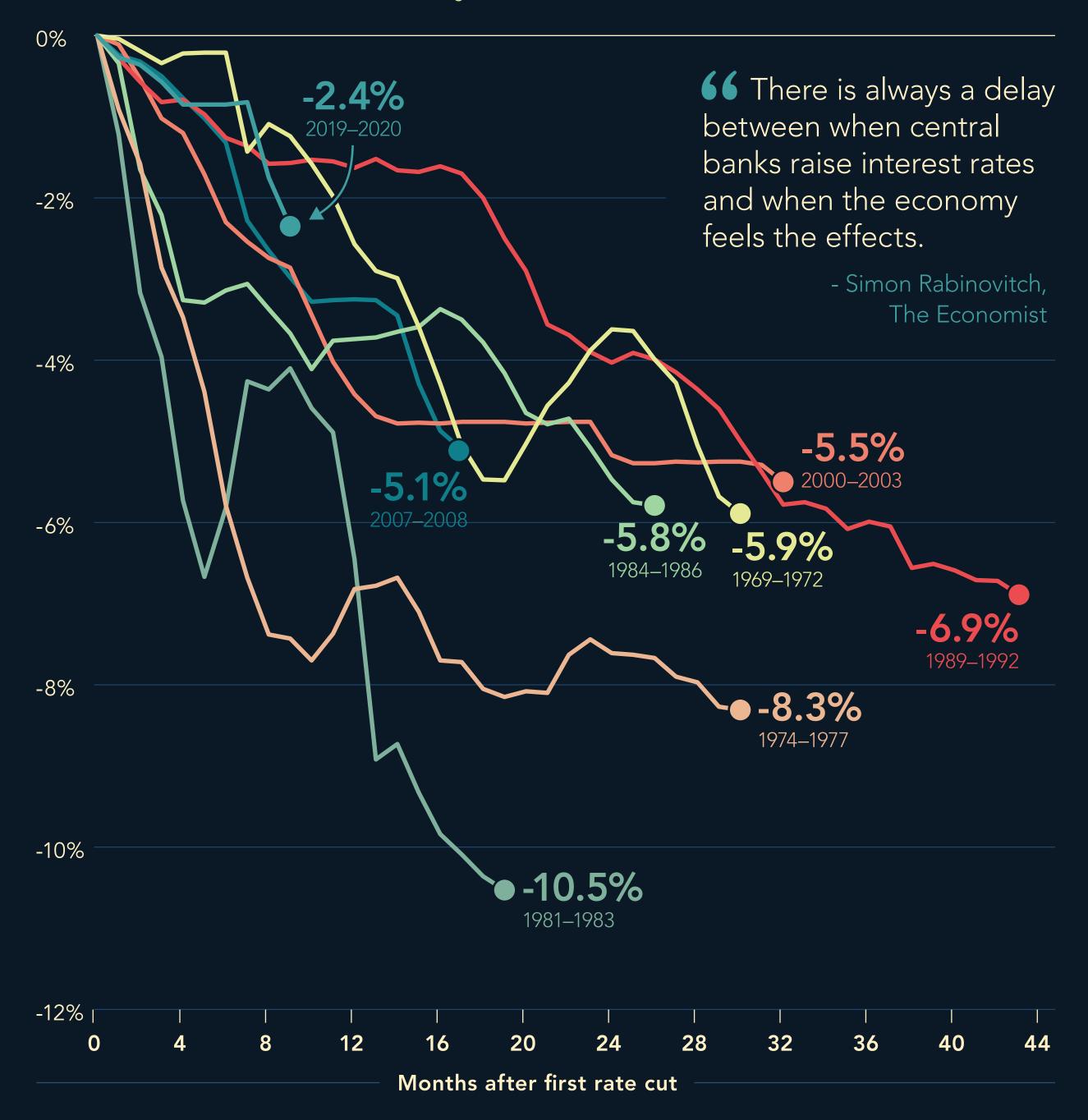
Total Value of Cuts Institutions Expect by EOY 2024



Looking Back at Past Rate Cut Cycles

Past interest rate easing cycles indicate that once the Fed starts cutting, deep cuts can come swiftly.

Past Interest Rate Easing Cycles



What will affect the timing of interest rate cuts?

Growth, inflation, and unemployment.

66 If growth is stronger than expected, the Fed could wait to cut rates until after the November elections.

- Aditya Bhave, Senior U.S. Economist, BofA Global Research 66 Central banks may change course, maintaining higher rates if inflation resurges or cutting more quickly if growth stalls and unemployment spikes.

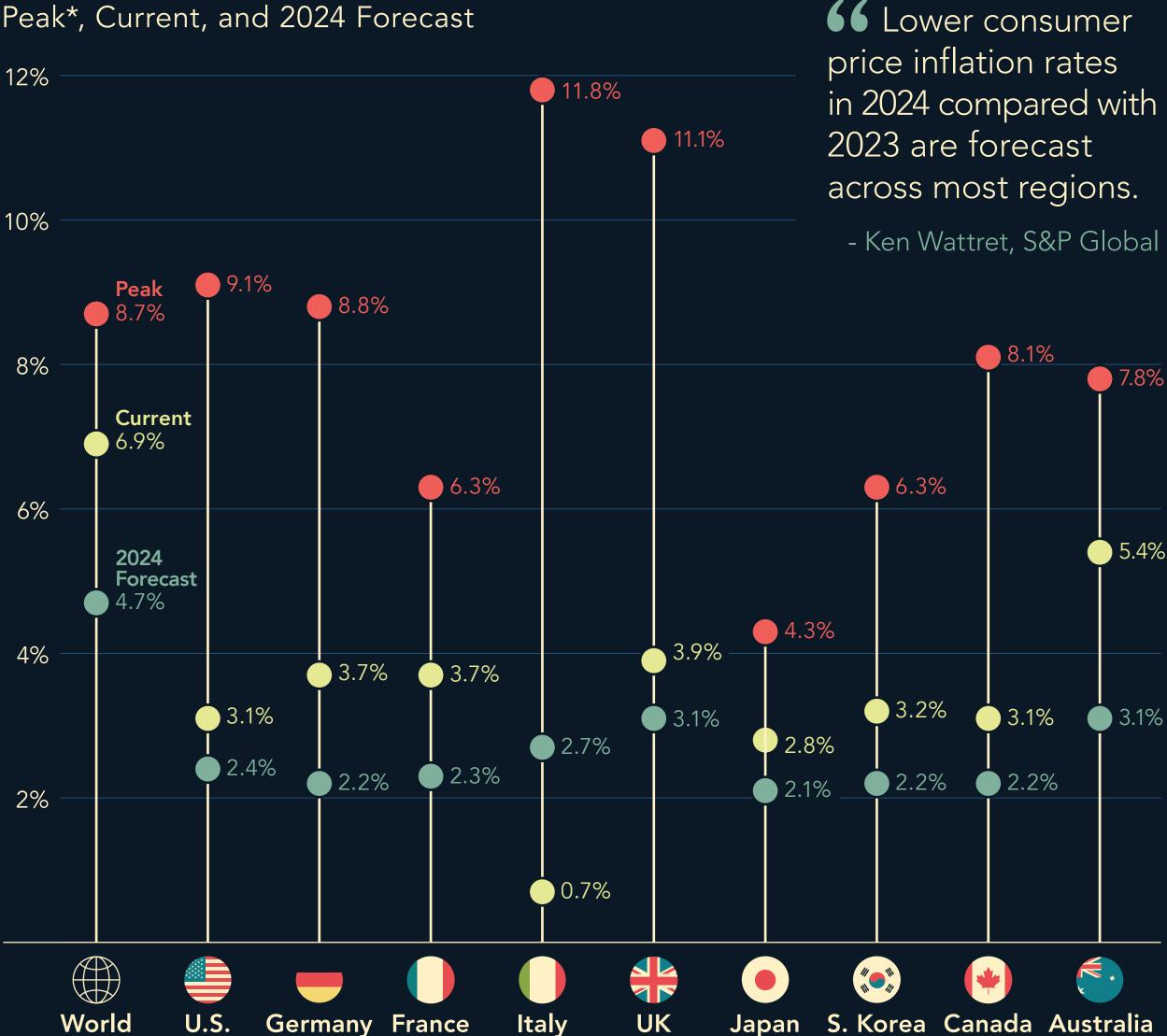
- Morgan Stanley

Source: Federal Reserve

Inflation Forecasts for Major Economies

Annual Consumer Price Inflation Change

Peak*, Current, and 2024 Forecast



66 Inflation's journey to central bank targets to continue. We expect U.S. and Eurozone core consumer price inflation to end 2024 in the 2–2.5% range.

66 The final descent to 2% inflation will take longer, and have more zigs, zags and potholes than typically considered. As the saying goes, the longest mile is the last mile home.

- Mihir Desai

Shanghai Containerized Freight Index



Red Sea Shipping **Disruptions Could** Heat Up Inflation Again

The recent decision of global shipping companies to avoid attacks in the Red Sea and take the longer, costlier, 18th-century route around Africa is only the latest reminder of the fragility of the global trading system.

This theme is likely to become more prominent in 2024.

- James Crabtree, Foreign Policy

- UBS

Upside

20%
Goldilocks

Strong economic growth buoys earnings and equities. Resilient growth and persistently above-target inflation keep bond yields elevated for flat bond returns.

Forecast

S&P 500

U.S. 10-year yield

5,300 4%

20% Hard landing

Sharp fall in growth, possibly due to prior rate hikes, and a moderate to severe recession. Lower earnings expectations feed equity declines. Bonds fare well as interest rate expectations fall and investors seek safety.

Forecast

S&P 500

U.S. 10-year yield

3,700

2.5%

Downside

3 Scenarios for the U.S. Economy

60% Soft-ish landing

Strong growth, falling inflation, and lower interest rate expectations bring lower yields. The lack of a severe recession enables earnings growth.

Forecast

S&P 500 U.S. 10-year yield

5,000 3.5%

Base Case

Source: UBS 11

N. America	2023	Change	Q4 2024F
Canada	47.7	3.8	51.5
Mexico	52.5	-1.5	51
U.S.	48.2	4.8	53
S. America			
Brazil	49.4	3.6	53
Colombia	49.4	2.6	52
Europe			
Austria	42.2	4.8	47
Czech Rep.	43.2	7.5	50.7
Euro Area	44.2	6.8	51
France	42.0	8.3	50.3
Germany	43.1	7.3	50.4
Greece	50.9	2.1	53
Hungary	52.2	4.8	57
Ireland	50	2	52
Italy	44.4	7.1	51.5
Netherlands	44.9	5.9	50.8
Norway	49.9	2.5	52.4
Poland	48.7	3.1	51.8
Spain	46.3	6	52.3
Sweden	49	2	51
Switzerland	42.1	10.2	52.3
# UK	46.4	5.5	51.9
Middle East	-		
	47.6	3.8	51.4
IsraelLebanon	49.5	-0.2	49.3
Qatar	51.5	1.7	53.2
Saudi Arabia	57.5	-4	53.5
UAE	57	-0.8	56.2
	57	-0.8	
Asia			56.2
Asia	50.7	2.3	56.2 53
Asia China Hong Kong	50.7 50.1	2.3 3.9	56.2 53 54
Asia China Hong Kong India	50.7 50.1 56	2.3 3.9 -2	56.2 53 54 54
Asia China Hong Kong India Indonesia	50.7 50.1 56 51.7	2.3 3.9 -2 1.3	56.2 53 54 54 53
Asia China Hong Kong India Indonesia Japan	50.7 50.1 56 51.7 47.7	2.3 3.9 -2 1.3 4.8	56.2 53 54 54 53 52.5
Asia China Hong Kong India Indonesia Japan Kazakhstan	50.7 50.1 56 51.7 47.7 48.0	2.3 3.9 -2 1.3 4.8 4.5	56.2 53 54 54 53 52.5 52.5
Asia China Hong Kong India Indonesia Japan Kazakhstan Malaysia	50.7 50.1 56 51.7 47.7 48.0 47.9	2.3 3.9 -2 1.3 4.8 4.5 2.1	56.2 53 54 54 53 52.5 52.5 50
Asia China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9	56.2 53 54 54 53 52.5 52.5 50 52
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Asia China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8	56.2 53 54 54 53 52.5 50 52 51.5 49
Asia China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 52
Asia China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 52 50
Asia China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 50 53
China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 50 53 51.8
China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam Oceania	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2 47.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6 3.3	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 50 53 51.8 50.6
China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam Oceania Australia	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2 47.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6 3.3	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 50 53 51.8 50.6
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China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam Oceania Australia New Zealand Africa Egypt	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2 47.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6 3.3	56.2 53 54 54 53 52.5 50 52 51.5 49 52 52 50 53 51.8 50.6
China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam Oceania Australia New Zealand Africa Egypt Kenya	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2 47.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6 3.3	56.2 53 54 53 52.5 50 52 51.5 49 52 52 50 53 51.8 50.6
China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam Oceania Australia New Zealand Africa Egypt Kenya Nigeria	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2 47.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6 3.3	56.2 53 54 53 52.5 50 52 51.5 49 52 50 53 51.8 50.6
China Hong Kong India Indonesia Japan Kazakhstan Malaysia Myanmar Philippines Russia Singapore S. Korea Taiwan Thailand Türkiye Vietnam Oceania Australia New Zealand Africa Egypt Kenya	50.7 50.1 56 51.7 47.7 48.0 47.9 48.1 52.7 53.8 50.3 50 48.3 47.6 47.2 47.3	2.3 3.9 -2 1.3 4.8 4.5 2.1 3.9 -1.2 -4.8 1.7 2 1.7 5.4 4.6 3.3	56.2 53 54 53 52.5 50 52 51.5 49 52 52 50 53 51.8 50.6

Global Manufacturing Forecasts

Manufacturing around the world is forecasted to rebound, bringing back manufacturing expansion in many countries.

A value above 50 indicates the country's manufacturing sector is expanding, while below 50 indicates it is contracting.

In 2024 we will see an increase in smart factory technologies that are designed to integrate with other systems and centralize data flow.

- Ben Baldwin, VKS

Association of Southeast Asian Nations (ASEAN) and India offer lower labor costs compared with mainland China. Stronger demand for labor — as firms deploy a "China plus one" strategy — is fueling solid wage growth in the region, putting this competitive edge at risk.

As the production of increasingly more technical products is brought to the region, the pressure on the limited supply of skilled labor will be a growing upside risk to wage growth.

- S&P Global

Confidence in the Global Economy

Will the global economy be stronger in 2024 than it was in 2023?

		Weaker		Stronger
	Global average	50%		50%
N.	America _			
	Mexico	38%		62%
	U.S.	55%		45%
*	Canada	61%		39%
S.	America _			
	Brazil	40%		60%
	Colombia	46%		54%
	Chile	49%		51%
(8)	Peru	49%		51%
	Argentina	49%		51%
Eu	rope			
	Poland	44%		56%
	Hungary	54%		46%
	Romania	55%		45%
i	Spain	56%		44%
	Netherlands	56%		44%
75	Great Britain	57%		43%
•	Switzerland	57%		43%
	Italy	60%		40%
	Germany	60%		40%
	Sweden	66%		34%
#	France Portugal	67% 67%		33% 33%
	rortugai	07 /0		33/6
As	ia			
	India	15%		85%
	Indonesia	18%		82%
**	China	18%		82%
	Philippines	26%		74%
	Thailand	32%		68%
	Malaysia	38%		62%
	Singapore	41%		59%
C*	Türkiye	57%		43%
	S. Korea	67% 70%		33%
	Japan	7070		30%
	ceania			
*	New Zealand	44%		56%
*	Australia	52%		48%
Af	rica			
	S. Africa	51%		49%

An Economic Bird's Eye View

The IMF's 2024 forecasts for real GDP growth, inflation, and unemployment around the world.

N. America	Real GDP	Inflation	Unemployment
👸 Antigua & Barbuda	5.4%	5.0%	
The Bahamas	1.8%	3.9%	8.8%
₩ Barbados	3.9%	5.2%	10.1%
Belize	3.0%	3.7%	2.8%
Canada	1.6%	3.6%	5.5%
Costa Rica	3.2%	0.7%	9.8%
Dominica	4.6%	6.2%	
Dominican Rep.	5.9%	4.9%	6.2%
El Salvador	1.9%	4.4%	5.5%
Grenada	3.8%	3.6%	
Guatemala Guatemala	3.5%	6.3%	
Haiti	1.4%	43.6%	
Honduras Honduras	3.2%	6.4%	8.1%
Jamaica	1.8%	6.5%	
Mexico	2.1%	5.5%	2.9%
Nicaragua	3.3%	9.1%	7.2%
	4.0%	1.5%	8.0%
Puerto Rico	-0.2%	2.9%	6.8%
Saint Kitts & Nevis	3.8%	2.9%	
🛕 Saint Lucia	2.3%	3.6%	
St. Vincent & the Grenadines	5.0%	4.4%	
Trinidad & Tobago	2.2%	5.4%	
U.S.	1.5%	4.1%	3.6%

S. America	Real GDP	Inflation	Unemployment
Argentina	2.8%	121.7%	7.4%
Aruba	1.2%	4.5%	8.5%
Bolivia	1.8%	3.0%	4.9%
Brazil	1.5%	4.7%	8.3%
Chile	1.6%	7.8%	8.8%
Colombia	2.0%	11.4%	10.8%
Ecuador	1.8%	2.3%	3.8%
Guyana	26.6%	5.5%	
Paraguay	3.8%	4.7%	6.2%
Peru	2.7%	6.5%	7.6%
Suriname	3.0%	53.3%	10.6%
Uruguay	3.2%	6.1%	8.1%
Venezuela	4.5%	360.0%	

2024 IMF Forecasts

Europe	Real GDP	Inflation	Unemployment
Albania	3.3%	4.8%	11.0%
Andorra	1.5%	5.2%	1.9%
Austria	0.8%	7.8%	5.1%
Belarus	1.3%	4.7%	4.0%
Belgium	0.9%	2.5%	5.7%
Bosnia & Herzegovina	3.0%	5.5%	15.3%
Bulgaria	3.2%	8.5%	4.6%
Croatia	2.6%	8.6%	6.3%
Czech Rep.	2.3%	10.9%	2.8%
Denmark	1.4%	4.1%	5.0%
Estonia	2.4%	10.0%	6.7%
Finland	1.0%	4.5%	7.3%
France	1.3%	5.6%	7.4%
Germany	0.9%	6.3%	3.3%
Greece	2.0%	4.1%	10.8%
Hungary	3.1%	17.7%	3.9%
lceland	1.7%	8.6%	3.4%
Ireland	3.3%	5.2%	4.1%
ltaly	0.7%	6.0%	7.9%
Kosovo	4.0%	4.7%	
Latvia	2.6%	9.9%	6.7%
Lithuania	2.7%	9.3%	6.5%
Luxembourg	1.5%	3.2%	5.2%
Malta	3.3%	5.8%	3.1%
Moldova	4.3%	13.3%	4.9%
Montenegro	3.7%	8.3%	
Netherlands	1.1%	4.0%	3.7%
North Macedonia	3.2%	10.0%	14.3%
Norway	1.5%	5.8%	3.6%
Poland	2.3%	12.0%	2.8%
Portugal	1.5%	5.3%	6.6%
Romania	3.8%	10.7%	5.6%
San Marino	1.3%	5.9%	4.0%
Serbia	3.0%	12.4%	9.1%
Slovakia	2.5%	10.9%	6.1%
Slovenia	2.2%	7.4%	3.6%
Spain	1.7%	3.5%	11.8%
Sweden	0.6%	6.9%	7.5%
Switzerland	1.8%	2.2%	2.1%
Ukraine	3.2%	17.7%	19.4%
UK UK	0.6%	7.7%	4.2%

Middle East	Real GDP	Inflation	Unemployment
Bahrain	3.6%	1.0%	
Cyprus	2.7%	3.5%	6.7%
Iran	2.5%	47.0%	9.4%
Iraq	2.9%	5.3%	
	3.0%	4.3%	3.5%
Jordan	2.7%	2.7%	
Kuwait	3.6%	3.4%	2.2%
Oman	2.7%	1.1%	
Qatar	2.2%	2.8%	
Saudi Arabia	4.0%	2.5%	
UAE	4.0%	3.1%	
West Bank & Gaza	2.7%	3.4%	24.2%
Yemen	2.0%	14.9%	

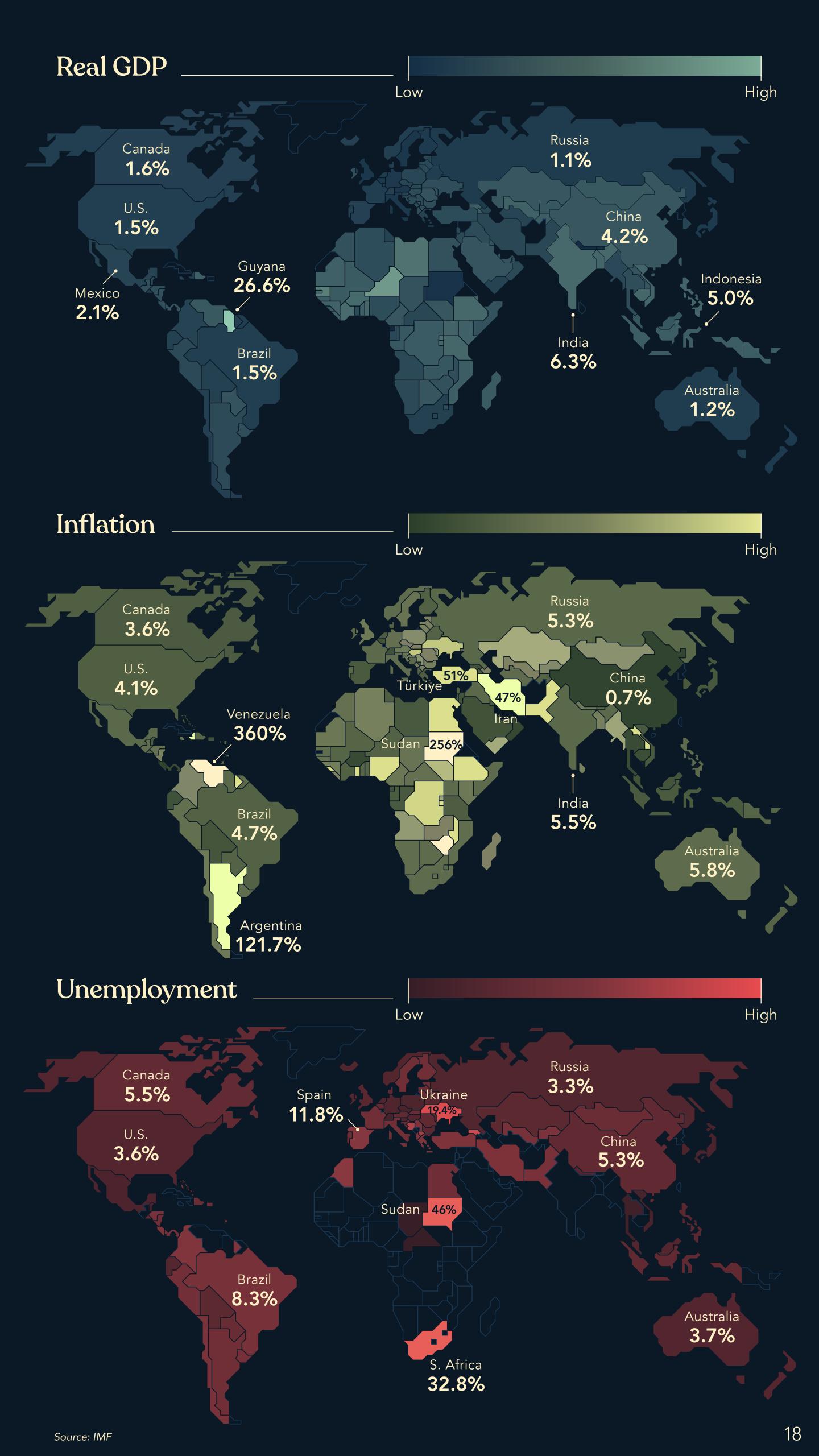
2024 IMF Forecasts

Africa	Real GDP	Inflation	Unemployment
Algeria	3.1%	9.0%	
Angola	3.3%	13.1%	
Benin	6.3%	5.0%	
Burundi	6.0%	20.1%	
Botswana	4.1%	5.9%	
Burkina Faso	6.4%	1.4%	
Cabo Verde	4.5%	5.2%	8.5%
Cameroon	4.2%	7.2%	
Central African Rep.	2.5%	6.5%	0.0%
Chad	3.7%	7.0%	0.0%
Comoros	3.5%	11.1%	
Rep. of Congo	4.4%	3.5%	
Côte d'Ivoire	6.6%	4.3%	
Democratic Rep. of Congo	4.7%	19.1%	
Djibouti	6.0%	1.2%	
Egypt	3.6%	23.5%	7.1%
Equatorial Guinea	-5.5%	2.4%	
Eswatini	3.3%	5.5%	
Ethiopia	6.2%	29.1%	
Gabon	2.6%	3.8%	
The Gambia	6.2%	17.0%	
★ Ghana	2.7%	42.2%	
Guinea	5.6%	8.3%	
Guinea-Bissau	5.0%	7.0%	
Kenya	5.3%	7.7%	
Lesotho	2.3%	6.9%	
Liberia	5.3%	10.6%	
Libya	7.5%	3.4%	
Madagascar	4.8%	10.5%	
Malawi	3.3%	27.7%	
Mali	4.8%	5.0%	
Mauritania	5.3%	7.5%	
Mauritius	3.8%	7.8%	7.4%
Morocco	3.6%	6.3%	12.0%
Mozambique	5.0%	7.4%	
Namibia	2.7%	6.0%	
Niger	11.1%	4.6%	
Nigeria	3.1%	25.1%	
Rwanda	7.0%	14.5%	
* Senegal	8.8%	6.1%	
Seychelles	3.9%	-0.8%	3.0%
Sierra Leone	4.7%	42.9%	
★ Somalia	3.7%	5.7%	
S. Africa	1.8%	5.8%	32.8%
S. Sudan	4.2%	16.3%	
Sudan	0.3%	256.2%	46.0%
São Tomé & Príncipe	2.4%	20.8%	
Tanzania	6.1%	4.0%	
Togo	5.3%	5.0%	
© Tunisia	1.9%	9.4%	
Uganda Uganda	5.7%	5.8%	
Zambia	4.3%	10.6%	
Zimbabwe	3.6%	314.5%	
ZITTIOGOVVC		317.070	

2024 IMF Forecasts

Asia	Real GDP	Inflation	Unemployment
Armenia	5.0%	3.5%	13.5%
 Azerbaijan 	2.5%	10.3%	5.9%
Bangladesh	6.0%	9.0%	
Bhutan Bhutan	3.0%	5.2%	
Brunei	3.5%	1.7%	4.9%
Cambodia	6.1%	2.0%	
China	4.2%	0.7%	5.3%
Georgia	4.8%	2.4%	18.4%
Mong Kong	2.9%	2.2%	3.2%
India	6.3%	5.5%	
Indonesia	5.0%	3.6%	5.3%
Japan	1.0%	3.2%	2.5%
Kazakhstan	4.2%	15.0%	4.8%
Kyrgyzstan	4.3%	11.7%	9.0%
Laos	4.0%	28.1%	
Macao	27.2%	0.9%	2.7%
Malaysia	4.3%	2.9%	3.6%
Maldives	5.0%	3.5%	
Mongolia	4.5%	12.3%	6.6%
Myanmar Myanmar	2.6%	14.2%	
Nepal	5.0%	7.8%	
C Pakistan	2.5%	29.5%	8.5%
Philippines	5.9%	5.8%	4.7%
Russia	1.1%	5.3%	3.3%
Singapore	2.1%	5.5%	1.8%
S. Korea	2.2%	3.4%	2.7%
Taiwan	3.0%	2.1%	3.7%
Tajikistan	5.0%	4.6%	
Thailand	3.2%	1.5%	1.2%
Timor-Leste	3.1%	6.0%	
Türkiye	3.0%	51.2%	9.9%
Turkmenistan	2.1%	5.9%	
Uzbekistan	5.5%	10.2%	8.4%
Vietnam	5.8%	3.4%	2.1%

Oceania	Real GDP	Inflation	Unemployment
S Australia	1.2%	5.8%	3.7%
Fiji	3.9%	3.0%	5.5%
Kiribati	2.4%	9.0%	
Marshall Islands	3.0%	5.2%	
Micronesia Micronesia	3.1%	5.3%	
Nauru	1.3%	6.1%	
New Zealand	1.0%	4.9%	3.8%
Palau	12.4%	12.5%	
Papua New Guinea	5.0%	5.0%	
Samoa	3.6%	12.0%	
Solomon Islands	2.4%	4.9%	
Tonga	2.5%	10.2%	
T uvalu	3.5%	6.2%	
Vanuatu	2.6%	9.3%	



Economic Predictions

66 I've always felt there was a possibility that the economy could cool off in a way that enabled inflation to come down without the large job losses that have often been associated with high inflation and tightening cycles.

- Jerome Powell

66 China will grow by just 4%, compared with 7% on average before covid. Blame the shaky Chinese property market and a paucity of jobs for the young.

- The Economist Intelligence Unit

66 In 2024, the fuel that drove economic activity in 2023 will start running low. In the U.S., excess savings will soon be spent, and business investment will wane.

- BNP Paribas AM

66 2024 looks like it may be the end of the paradigm where the fight against inflation was the be-all-end-all of Fed policy.

- Joseph Politano



The Bank of Japan is likely to begin normalizing its monetary policy. We expect the BoJ to raise its short-term reference rate to zero and to end yield curve control in 2024.

- S&P Global



Will China or India see greater real GDP growth in 2024?



China **22%**

78% India

Will the U.S. manage to avoid recession in 2024?



No **42%**

58% Yes

Morgan Stanley predicts U.S. growth to slow down in 2024 compared to 2023, do you agree?



Yes, growth will slow 58% 20% Same as 2023

23% No, growth will be higher

Markets

For the past two years, the outlook was gloomier for stocks in the U.S. than anywhere else in the world.

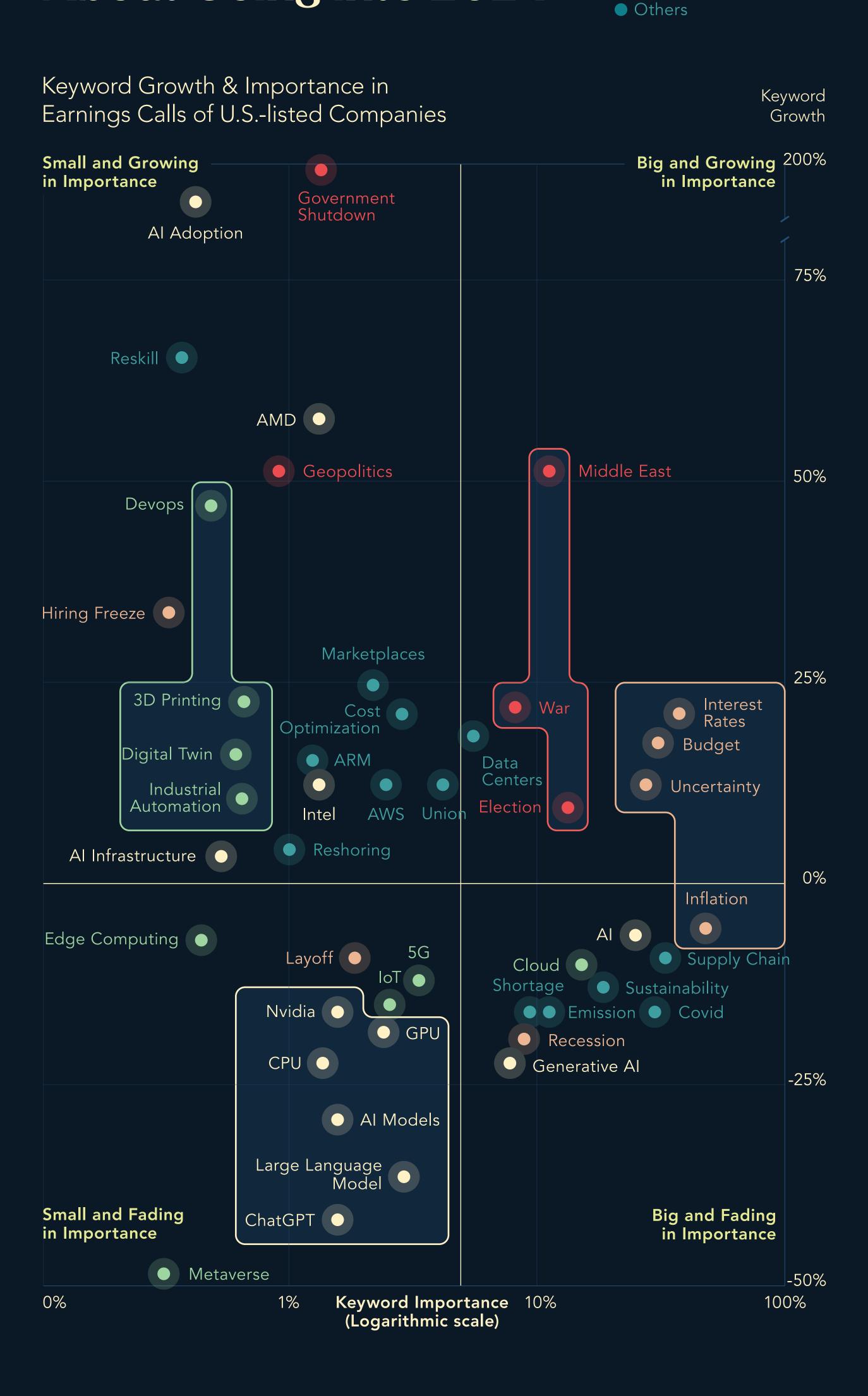
However, 2024 is shaping up to be different as U.S. equities should notch better outcomes than European or emerging market equities, particularly as central bankers globally aim for target rates.

- Morgan Stanley

•

What CEOs are Talking About Going into 2024





150 Years of Yearly S&P 500 Returns

Despite cautious analyst forecasts of 5-10% returns for the S&P 500 last ye 2023 defied expectations to the ups

Where will 2024 end up?

For 2024, analyst forecasts for the S&P 500's returns average between 5-10% yet again.

 2024 is likely to be a "tale of two halves," with a cautious first half giving way to stronger performance in the second half of the year.

– Morgan Stanley

sts of ast yea upsic					
		2020	ı		ı
		2017			ı
	2024	2014			ı
	2016	2012			ı
	2011	2010			ı
	2007	2006			ı
	2005	1999			ı
	2003	1988			ı
2010					ı
2018	1993	1986		U	ı
2015	1992	1983		•	ı
1994	1987	1982	 	•	ı
1990	1978	1979		•	ı
1984	1970	1976	2023	•	U
1981	1968	1972	2021	•	•
1960	1965	1971	2013	•	•
1953	1959	1964	2009		•
1948	1956	1963	2003		•
1939	1947	1952	1998		•
1934	1942	1951	1996	l	•
1932	1926	1949	1991	l	
1923	1921	1944	1989		
1911	1916	1943	1985	l	
1910	1912	1925	1980	l	
1902	1906	1924	1967		
1899	1905	1922	1961	2019	
1896	1900	1919	1955	1997	
1888	1895	1918	1950	1995	
1887	1894	1909	1938	1975	
1883	1892	1901	1936	1958	
1881	1889	1898	1027	10/15	

S&P 500 Forecasts

The majority of price forecasts (70%) by major banks and wealth management firms call for new highs in 2024.



The Wide Range in Forecasts

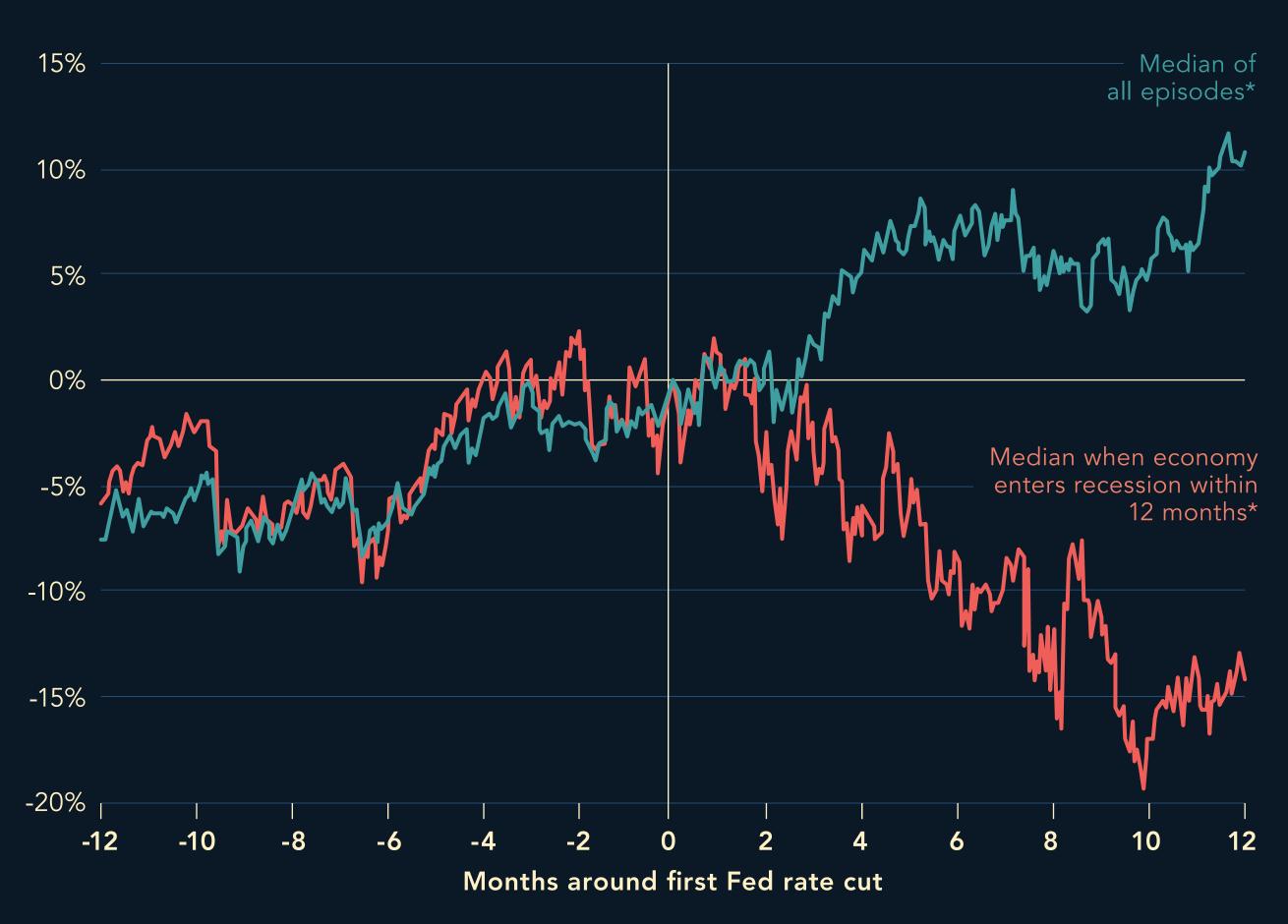
LOWEST	AVERAGE	HIGHEST
66 A more challenging macro backdrop is anticipated for equity markets in 2024. Lackluster earnings growth and geopolitical risks are set	We expect the S&P 500 to close at 4,900 at the end of 2024. Over positioning still needs to be adjusted, but big tech will continue to present a	56 5,400 by the end of 2024 and 6,000 by the end of 2025 because I think this is a bull market that has legs.
to weigh on the outlook for stocks.	good investment case.	I've been thinking for quite some time that we're in a
J.P. Morgan analysts estimate S&P 500 earnings growth of 2–3% and a price target of 4,200, with a downside bias.	While we expect some P/E compression in the Magnificent seven, earnings growth will still be strong and the investment case intact.	recession, but I argued that it's a rolling recession, not an economy-wide recession. Now I think we're in a rolling recovery.
- J.P. Morgan	- Tallbacken Capital	- Ed Yardeni, Yardeni Research

Themes for U.S. Equities

66 Bullish equities, not because of expected rate cuts, but because of what the Fed has already done and how corporates have adapted.

- Bank of America

S&P 500 Returns After First Fed Rate Cut



Three Key Equity Themes to Watch

MEGACAP TECH CONCENTRATION	SMALL AND MID CAP OPPORTUNITIES	BETTER THAN THE REST
Megacap tech will need to continue to beat an ever-higher bar when it comes to elevated earnings expectations. - J.P. Morgan	We expect that profitable small and mid-cap growth shares with solid balance sheets will see renewed interest. - Citi	Overall, U.S. equities are likely to have fair returns and better outcomes than European or emerging market stocks. - Morgan Stanley

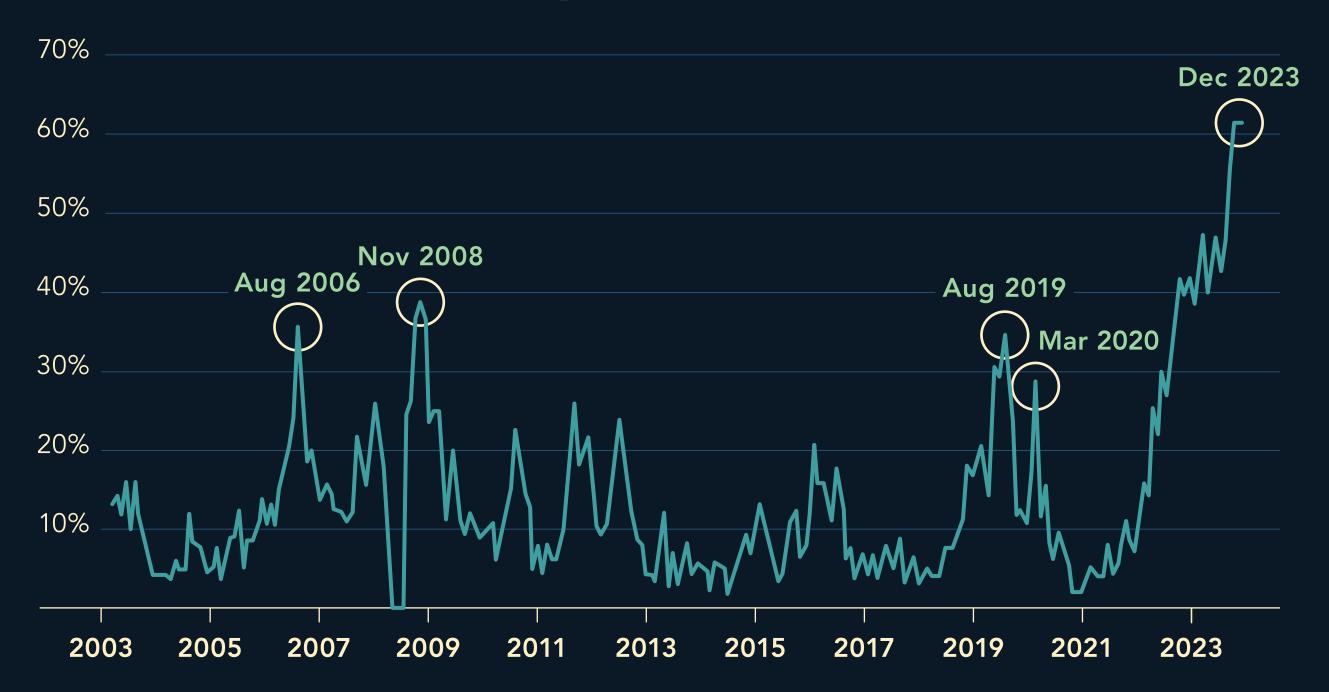
U.S. Tech Sector Market Cap Relative to the Overall Market



Bonds are Back in Style

With interest rates likely at their peak, more fund managers than ever expect bond yields to fall in the future.

Share of Fund Managers Expecting Lower Long-Term Rates



With rate cuts firmly on the horizon, we reiterate the need for investors to manage liquidity—limiting cash balances and locking in yields.

- UBS

A diversified portfolio of cash, long-duration government bonds, high quality corporate bonds and equities is a good way to think about investing.

- Michael Cembalest, J.P. Morgan

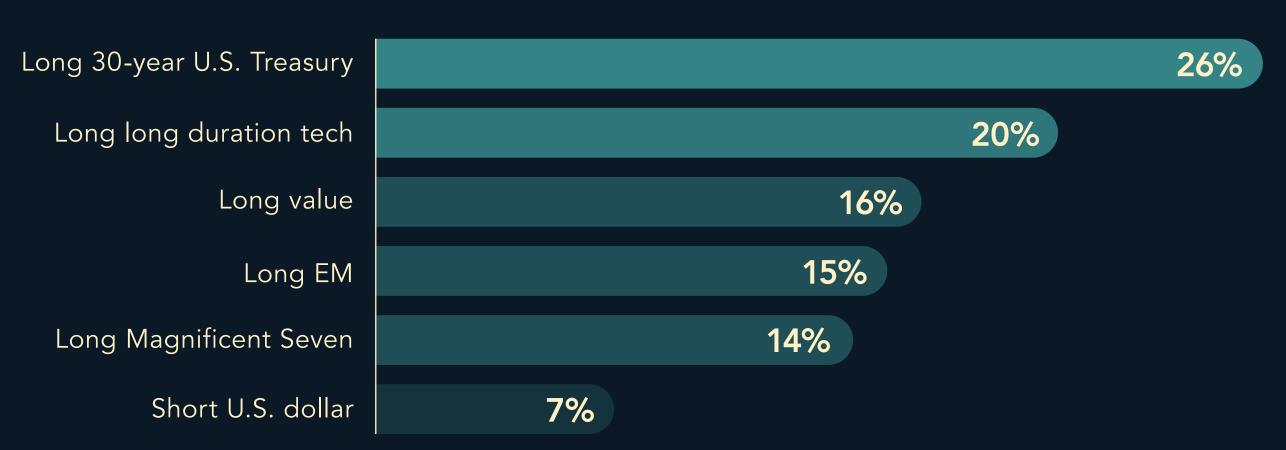
2024 should be a good year for income investing, with bright spots in high-quality fixed income and government bonds in developed markets.

- Morgan Stanley

Investing in 2024 will be all about quality sovereign and corporate bonds.

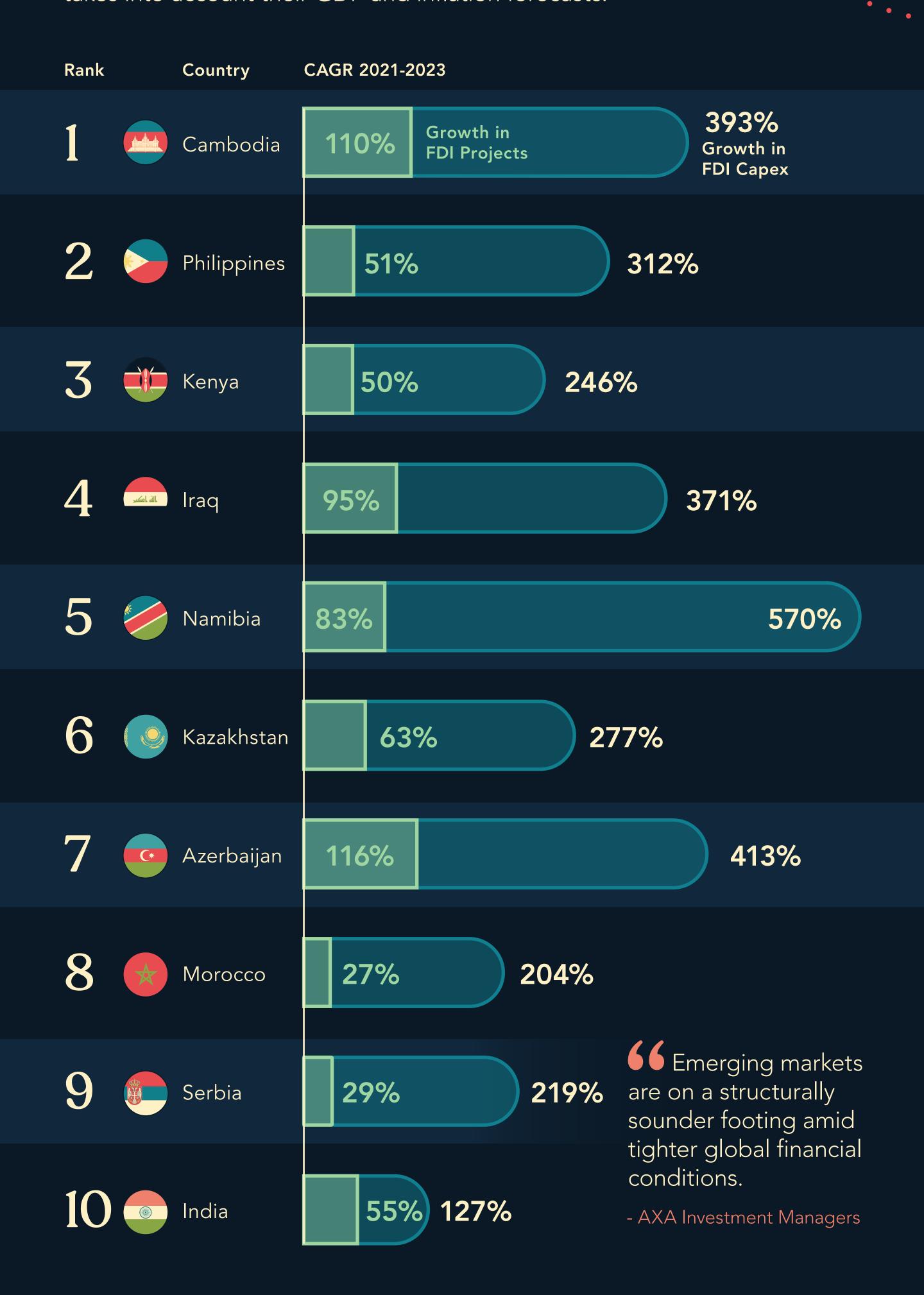
- Vincent Mortier, Amundi

If the Fed cuts rates in H1'24, which of the following assets do you expect to perform best?



Top Emerging Markets by FDI Momentum

FDi Intelligence's ranking of the top emerging markets by foreign direct investment momentum takes into account their GDP and inflation forecasts.



Source: FDI Intelligence

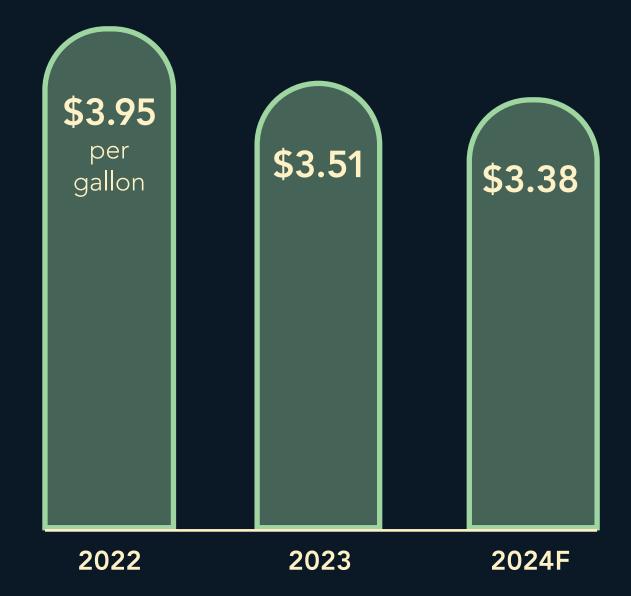
Commodities

Despite forecasts and speculator positioning pointing to cheaper crude oil, geopolitical events can always stir the pot.

Spectators Are Least Bullish on Oil on Record



U.S. Gas Price Yearly Average



In the face of a difficult geopolitical landscape, GasBuddy is optimistic about the price outlook for 2024 for one big reason: America is an energy powerhouse.

The United States is on pace to pump more oil than any country on record, according to S&P Global Insights.

- CNN

Copper Stands Out Amidst Mixed Messages for Metals

66 Underweight commodities. Gold appears overvalued.

Copper, which could outperform because of stronger-than-expected demand from China, may be an exception.

- Morgan Stanley

Gold and platinum will gleam as investors seek safe havens and interest-rate rises stall.

Copper will shine as green investment and the digital economy spur demand for electric cables and batteries.

- The Economist

With Fed rate cuts likely in the second quarter, we expect to see ETF demand for gold turning positive.

We now expect gold prices to reach \$2,250/oz by the end of 2024.

- UBS

Sources: CFTC, ICE, GasBuddy 27

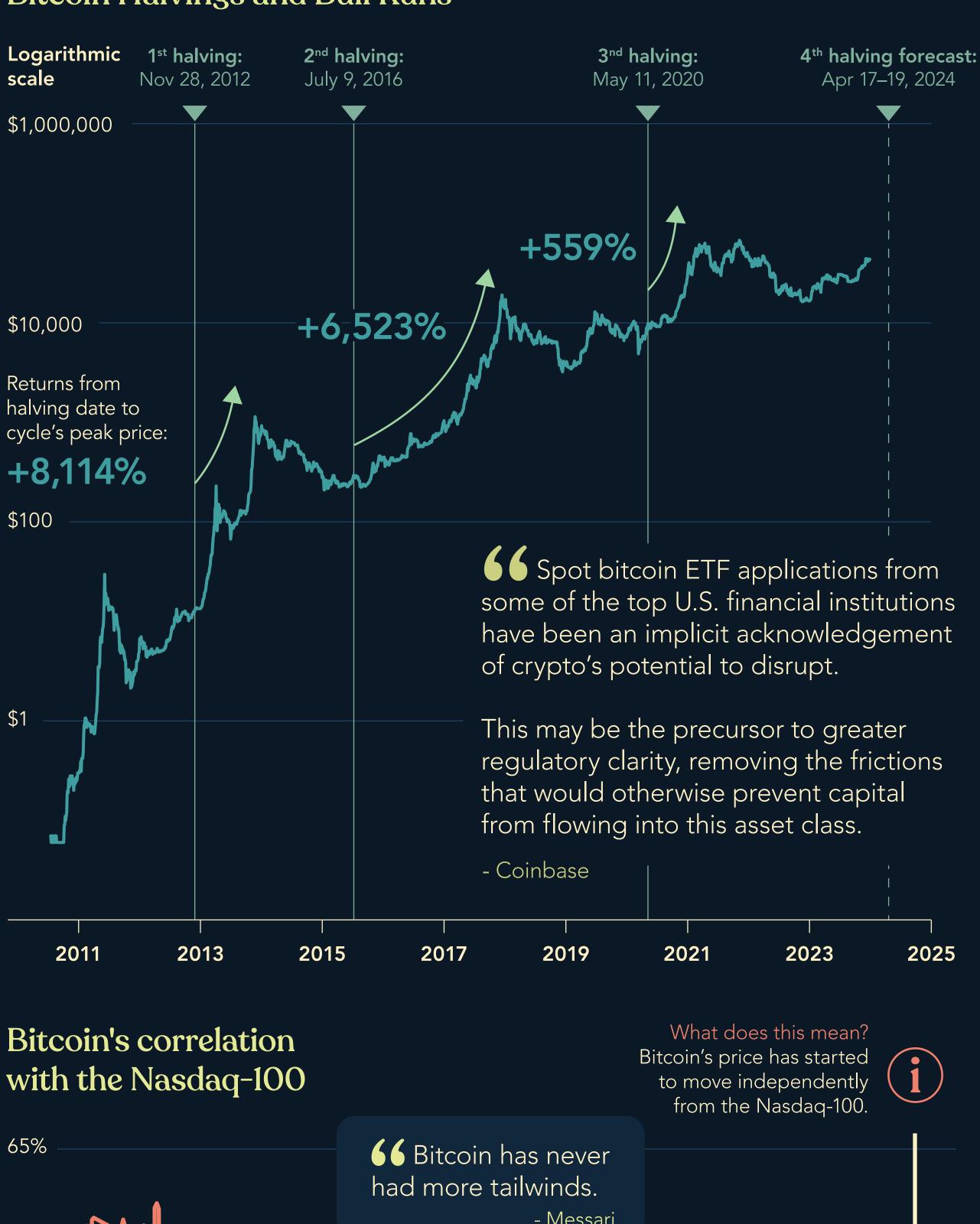
What Will Bitcoin's Fourth Halving Bring?

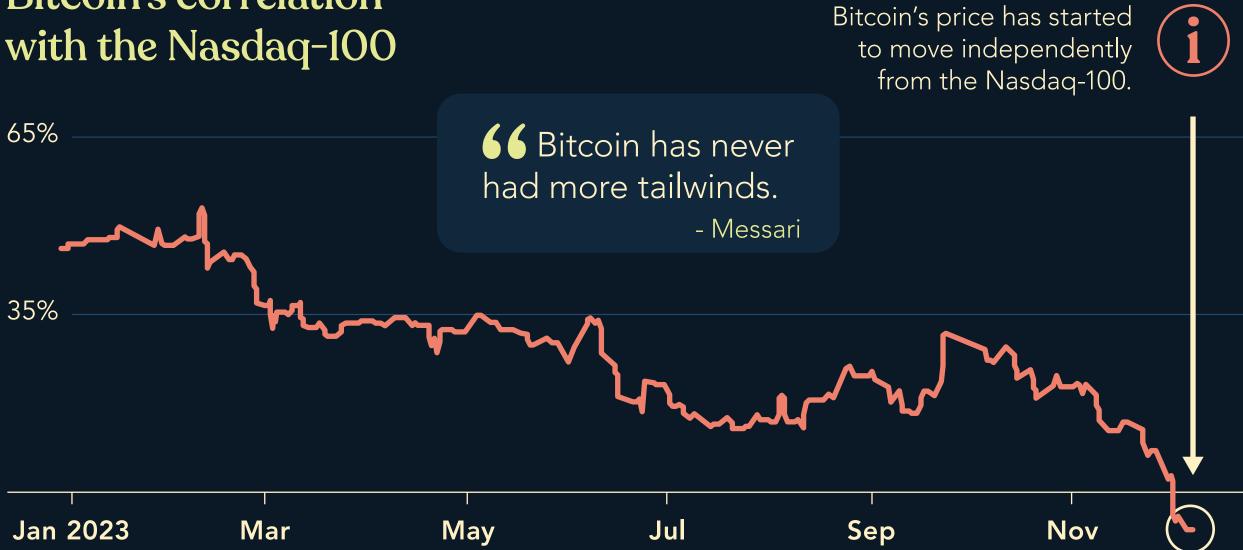


After coming back from the dead sooner than anyone expected in 2023, bitcoin's halving offers a catalyst for crypto.

What is the halving? Bitcoin's periodic event that halves block mining rewards, reinforcing its limited supply.

Bitcoin Halvings and Bull Runs





Sources: TradingView, Kaiko

Investing Playbook

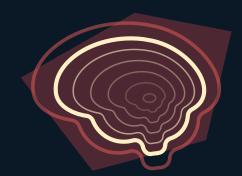
Experts agree that 2024 will require caution and active management amidst geopolitical and economic uncertainties.

66 It's about threading the needle and looking for small openings.

- Morgan Stanley

What's their investing playbook for 2024?

POPULAR OFFENSIVE PLAYS



Don't miss out on the Al opportunity in equities

We see a multi-country, multi-sector Al-centered investment cycle unfolding.

- BlackRock



Japanese assets for secure diversification in developed markets

Japan should be a continued bright spot for investors, in both the equity and currency markets.

- Citi



Mexico and India will benefit from geopolitical fragmentation

Near-shoring trend will continue to benefit Mexico, while India offers growth without China's uncertainty.

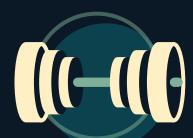
CORE DEFENSIVE PLAYS



Lock in high yields with bonds

High-quality debt continues to provide attractive yields, especially against the risk to reward trade-offs of other assets.

- Morgan Stanley



Quality equities with strong balance sheets and resilient margins

The current economic backdrop warrants a balanced approach and a high-quality bias in the near term.

- Bank of America



Be cautious, but don't get stuck in cash.
There are better options

2024 will likely deliver a backdrop of falling rates and improving earnings, in which cash will work less well.

- J.P. Morgan

OUTLIER/CONTESTED PLAYS



Inflation-protected bonds and assets

Inflation will likely settle. You should still hedge against it.

- J.P. Morgan



Commodities and other alternatives to hedge geopolitical volatility

Investors can insulate portfolios against specific risks with positions in oil and gold.

- UBS



Green bonds and climate resilience

Financing energy transition infrastructure (energy grids, buildings, etc.) for exposure to the growing climate theme.

Market Predictions

66 Markets have already baked into prices the idea that central banks will manage a smooth transition to reduced levels of inflation—meaning there's limited runway for increased valuations.

- Morgan Stanley

66 Investors in commercial property face a reckoning in 2024 as high interest rates, lease expiries and changed working patterns dent demand.

- The Economist Intelligence Unit

Big tech will have another good year, but Apple won't. They'll underperform the S&P 500 by more than 10% and be removed from the Magnificent Seven. Taking their place will be the winner of the streaming wars, Netflix.

- Michael Batnick

• We believe the surprise in markets for 2024 will be an equity rally without much of a decline in bond yields, only a decrease in bond market volatility.

- UBS

66 We will have a three-to-five year bull market driven by opportunities in artificial intelligence.

- Gene Munster





Will the S&P 500 make new highs in 2024?

12%

No, but positive returns

63% Yes

No, negative returns



Where will U.S. interest rates be at the end of 2024?

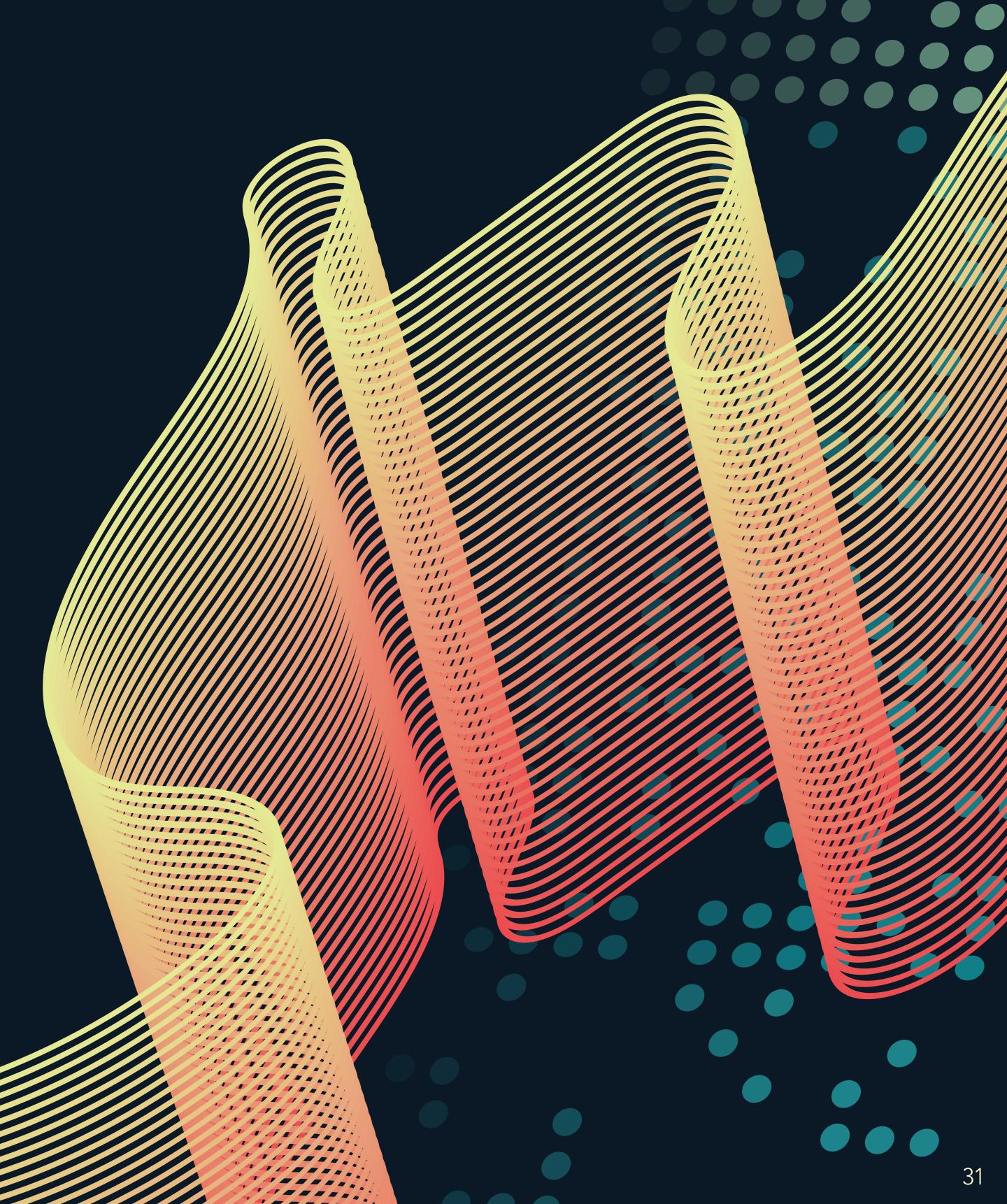
Below 3.5% **20% 50%** Between 3.5%–4.5%

30% Above 4.5%

Geopolitics

The gradual worsening of geopolitical tensions between America and China, and the global tide of protectionism, are throwing sand in the gears of trade.

- Henry Curr, The Economist



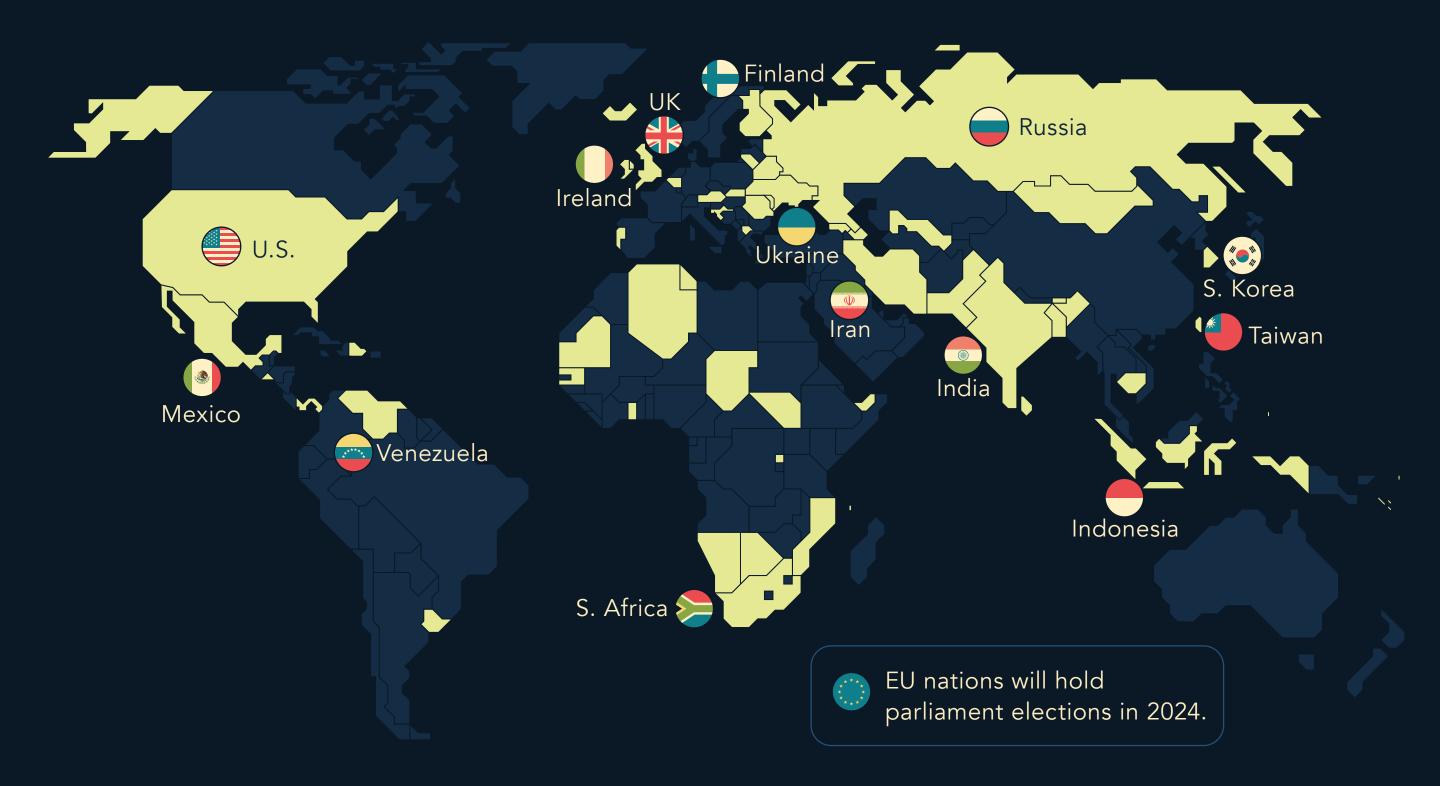
Global Elections

2024 is due to be the busiest election year recorded, as nearly half of the world's population hits the voting booths.

66 Countries representing more than 57% of world GDP are hosting elections in 2024.

- Mercer

National Elections

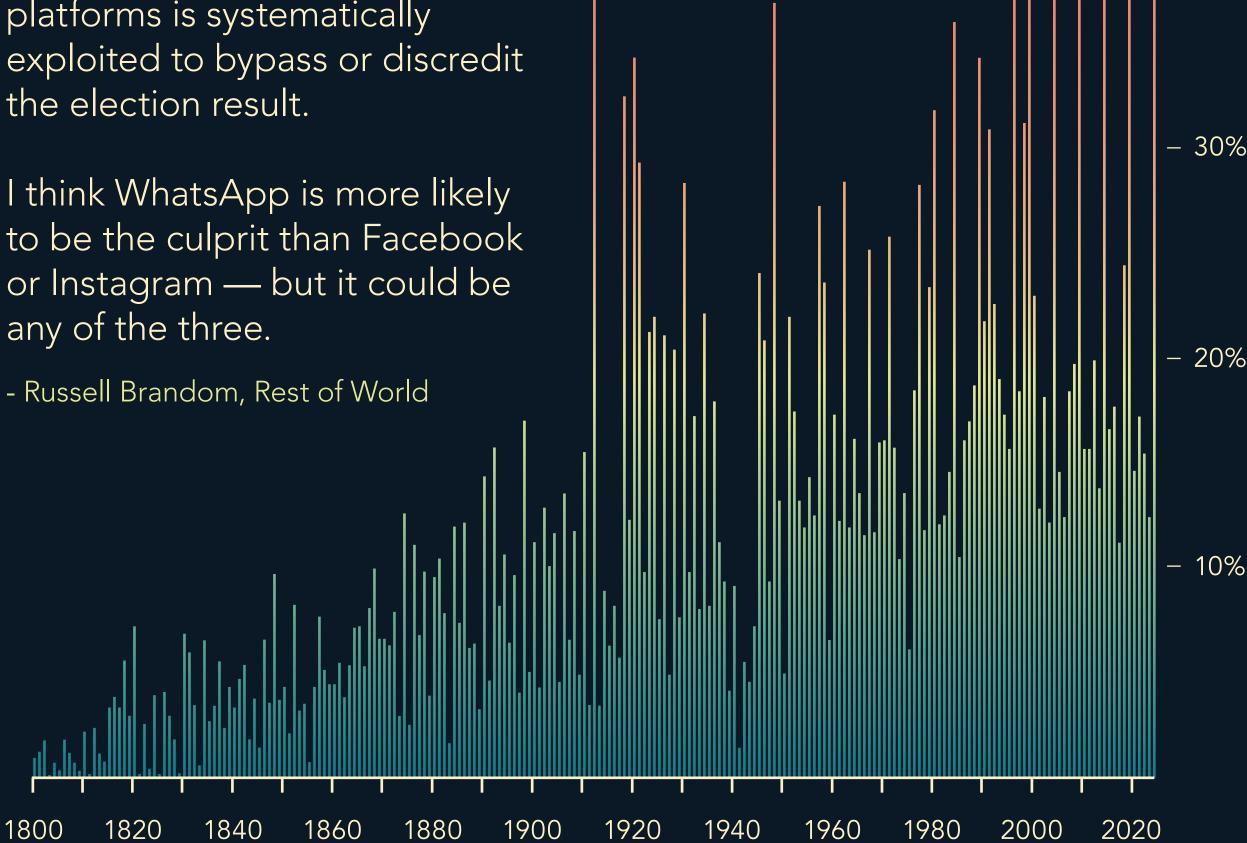


Global Pop. with Presidential & Legislative Elections

50%

66 All the pieces are in place for another damaging scandal, in which one of Meta's platforms is systematically exploited to bypass or discredit the election result.

I think WhatsApp is more likely to be the culprit than Facebook or Instagram — but it could be any of the three.



Global Elections To Watch

2024 features a flurry of elections in the first half of the year, before the U.S. presidential election in November.

Notable Upcoming Elections Legislative Parliamentary National **JAN 2024 MAR FEB APR** 1st Iran 14th 13th 10th 9th Pakistan Indonesia Taiwan S. Korea 17th Russia 31st Ukraine MAY JUN JUL **AUG** 2nd Mexico India 6-9th NOV **DEC** SEP

Prime Minister Narendra Modi is going to be overwhelmingly reelected and that will reinforce the policy positions he's taken at home and abroad.

- Stephen Walt, FP

Mexico will elect its first female president. Claudia Sheinbaum, the Morena candidate, who seems likely to prevail over Xochitl Galvez, of the opposition.

- Sarah Birke, The Economist

Whoever wins Taiwan's presidential election, it will likely be a much weaker presidency and government than the one in power from 2016-2024.

- Kevin Drum

Al-generated election disinformation and deepfakes are going to be a huge problem as a record number of people march to the polls in 2024.

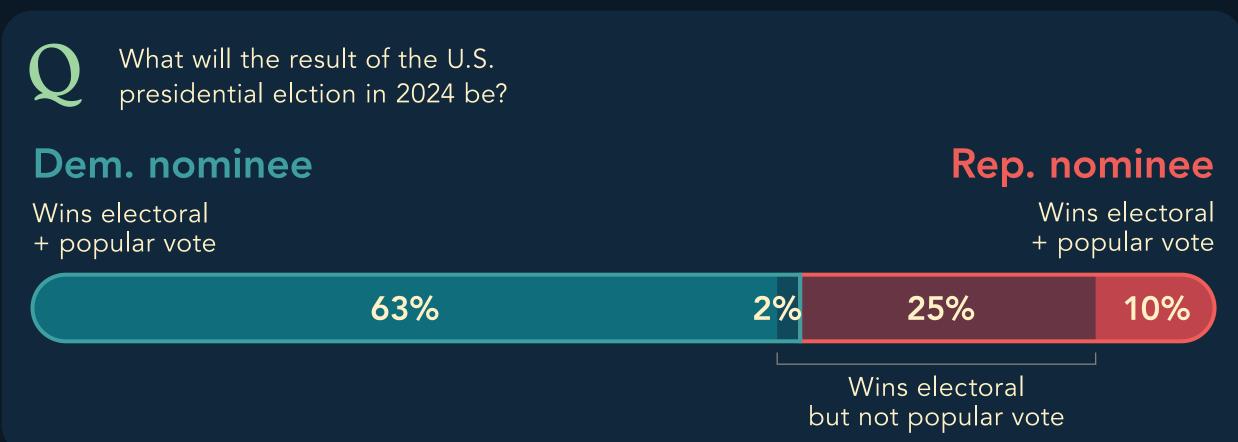
- MIT Technology Review

U.S Election Outlook

The 2024 U.S. presidential election is filled with uncertainties as candidates bolster their war chests.

Total Raised (2021-2023 EOY)

\$60.5M D. Trump \$56.8M J. Biden \$31.7M R. DeSantis \$26.6M V. Ramaswamy **66** Swing states could be Arizona, Georgia, \$18.7M Pennsylvania, and N. Haley Wisconsin. - James Bennett, \$15.1M R.F. Kennedy Jr. The Economist What will the result of the U.S.



Major 2024 Mayoral Elections in the U.S.

- Milwaukee, WI
- Phoenix, AZ
- Sacramento, CA
- Fresno, CA
- San Diego, CA
- San Francisco, CA
- San Jose, CA
- Honolulu, HI
- Austin, TX
- El Paso, TX
- Portland, OR
- Las Vegas, NV

Changes at the state and local level often precede shifts in national priorities, leaving little doubt that these less-covered races might make waves far into the future.

- Cooper Burton, 538 ABC News



Geopolitical Flashpoints

66 Gloomy geopolitical forecasts tend to predict the imminent arrival of the Third World War. 2024 will not be quite as apocalyptic but it could be the Year of Three Wars.

- Roger Boyes, The Times

Houthi disruption of shipping could just be the start of a greater conflict.

Israel-Hamas conflict threatens to spill throughout Middle East.

Cooperation with Russia could spur North Korea's war-confidence.

What we have yearned for from day one is for the war to be directly between us and the American and Israeli enemy.

- Houthi leader Abdul-Malik Al-Houthi There are many potential "trip-wires" that could ignite a broader conflict in the region, but the most likely is at the Lebanon–Israel border.

- Sam Lichtenstein

North Korea will likely focus on developing new ballistic missile programs that can be considered as a direct threat to security of the U.S.

- The Diplomat



Venezuela's border claims over oil-rich Esequibo territory and offshore areas. Sudan's army clashes with paramilitary RSF amidst internal instability.

South China Sea tensions could spark with China and the Philippines.

Venezuela could make a land grab for neighbouring Guyana, a Commonwealth member.

- Roger Boyes, The Times

66 Sudan's collapse could

Sudan's collapse could reverberate for decades throughout the Sahel, the Horn and Red Sea regions.

- Crisis Group

increasingly confrontational stance against China's "grey-zone" tactics and its further alignment with the US could keep tensions simmering or even risk an outbreak of serious conflict. - SCMP

Israel and Palestine



Israel's Internal Politics

66 Sooner or later, a majority of Israelis will formally lay the blame for the biggest security failure in decades at Prime Minister Benjamin Netanyahu's door.

He won't go through an election, though - the coalition he's assembled has too much to lose. Instead, members of his Likud Party (which polls say would lose nearly half their seats if elections were held today) will find a new leader to try to salvage their party's reputation.

- Intrigue

66 75% chance Netanyahu will be unseated as prime minister. It is conceivable that he manages to cling to power for yet another term. Still, I think if ever there was a time when he could be pushed out, it's now.

- Sigal Samuel, Vox

Scenario 1 Peace Achieved

Despite a resolution, Palestine still suffers a humanitarian crisis.

Scenario 2 No Resolution

Despite no resolution in 2024, large-scale escalation is avoided.

Scenario 3 Escalation

More nations become involved as the conflict expands.

There will be some kind of cease-fire or an end to the Israeli campaign in Gaza.

Gaza will have been largely destroyed. So this is going to be a humanitarian crisis of enormous proportions, and that's not going to end within a year or so.

- Stephen Walt

The war's continuation seems more likely to spell not the beginning of efforts to revive a peace process, as some Western leaders claim, but the end of any recognisable political track. Never in the conflict's bleak history has peace seemed further off.

- Crisis Group

A protracted war between Hamas and Israel in Gaza ignites a wider regional conflict involving other Palestinian territories and further clashes between Israel and Islamist militant groups in Lebanon and Syria.

- Council on Foreign Relations

Russia and Ukraine

66 Ukraine's fate will hinge on elections all around. 2024 will be an inflection point.

- Ian Bremmer

- Occupied Territories before Feb. 2022
- Occupied Territories after Feb. 2022



What if Russia Wins? Three Potential Knock-on Effects

A discredited Nato would face its biggest test.
Nato and the EU are possibly the strongest remaining multinational alliances in a nationalistic world.

Putin seeks to prove they won't hold.

- Simon Kuper, Financial Times

A free state might survive in western Ukraine. It might even join the EU.

Putin doesn't seem very bothered about the region. But it could expect repeated Russian attacks, no matter what "treaties" were signed.

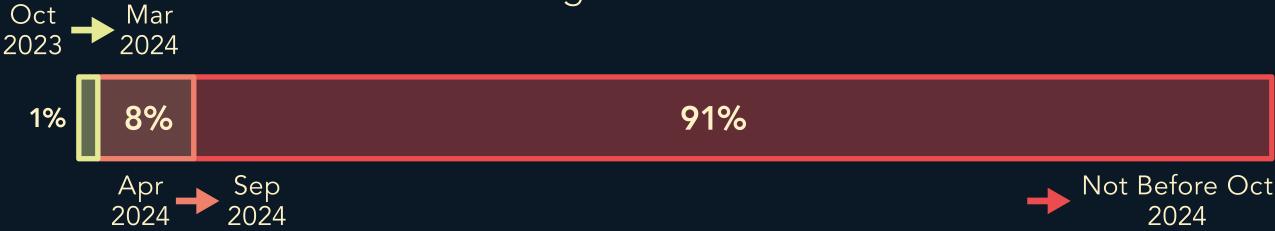
- Peter Ricketts

Putin's success would encourage countries interested in invading a neighbour: China, Venezuela, Azerbaijan and, indeed, Russia.

- Simon Kuper, Financial Times

When will Russia and Ukraine sign or announce an agreement to end the current conflict?

Q



Source: The Economist 37

What The Experts Are Predicting for China



Managing U.S. Chip Limits and Strategic Competition

The administration of U.S. President Joe Biden is likely to maintain Trump-era tariffs on Chinese goods and expand current export controls targeting mainland China's access to advanced chipmaking technology through 2024.

- S&P Global

China's semiconductor gap will widen. I think we'll see an exodus of talent to other fields or, where possible, to other countries.

The gap will only get deeper in the years to come, and its impact will be felt for decades. Until the country's chip-makers catch up, it's going to be much harder to build AI products inside Chinese borders.

- Russel Brandom

Territorial and South China Sea Disputes

66 China might make a move on Bhutan in the Himalayas and rattle India.

- Roger Boyes

Chinese vessels and those of other countries with which mainland China has contested claims in the South China Sea, principally the Philippines.

The Philippines, supported by the U.S., will continue to defend its claim and publicize those confrontations.

- S&P Global

Belt and Road Initiative Concerns

In 2024 China will again be the second-largest source of foreign direct investment after the U.S., But it will vet BRI projects more carefully—and look to the BRICS for influence.

- The Economist

China's investment in Africa peaked seven years ago. Although governments love the shiny new infrastructure, they are finding the resulting debt far less appealing.

And now that China is increasingly consumed with its own economic troubles, the sheen on the Chinese development model will only further wear off.

- Stuart Reid

Property Sector and Debt-Deflation Spiral Risks

China's property market (and regional finances) will stay wobbly, despite government support.

- The Economist

China's tepid growth will weigh on emerging markets, and there's a risk that the country's economy could get sucked into a wider debt-deflation spiral, with ripple effects for the rest of Asia and beyond.

- Morgan Stanley



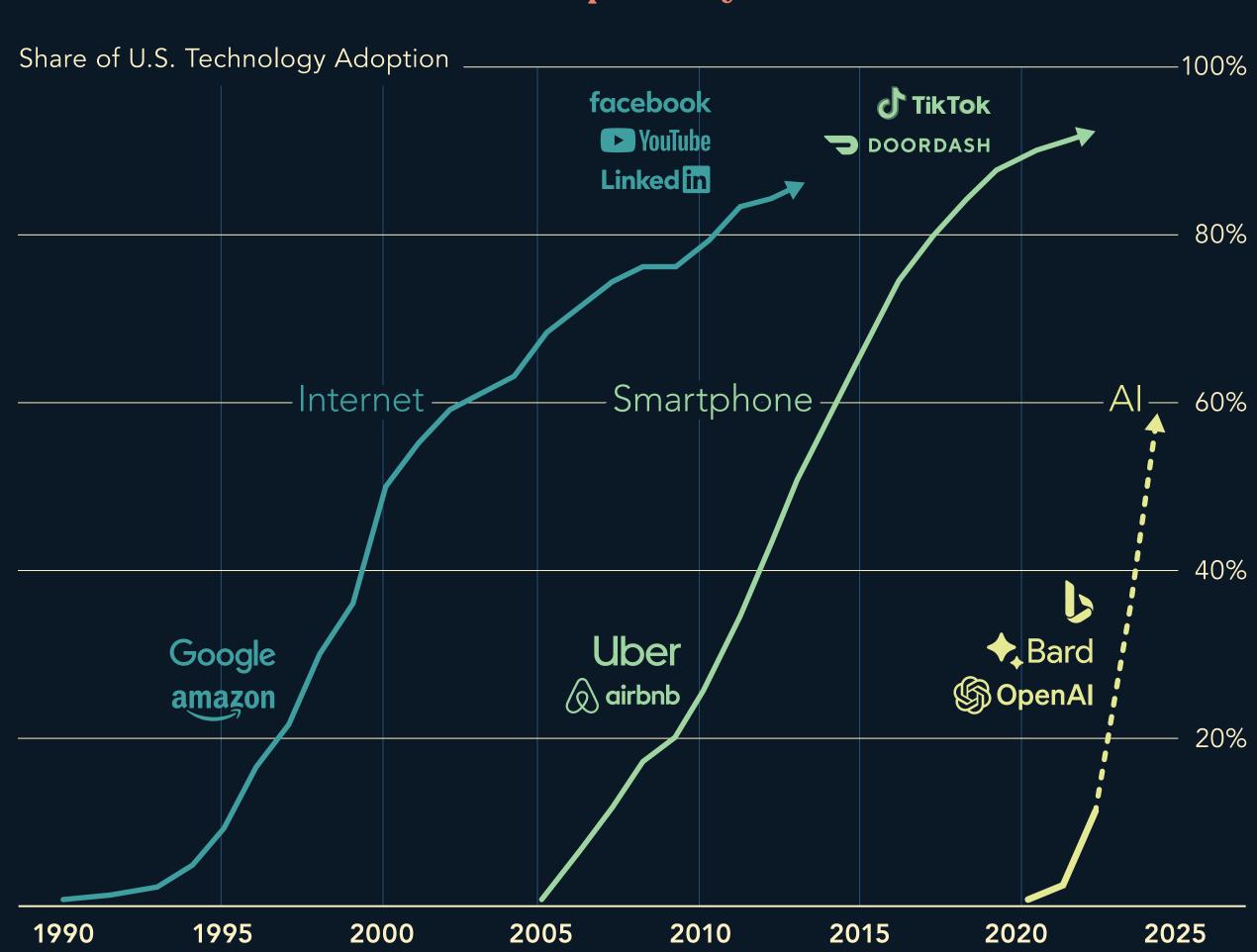
Will the war in Ukraine escalate, stay the same, or resolve in 2024?



Artificial Intelligence's Tech Innovation Cycle

Past technological innovations brought waves of software platforms and app creation. All is just getting started...

Software Creation in Tech Adoption Cycles



How Will AI Affect the Tech Industry in 2024?



Easier Coding for All

We predict that the top coding language will be natural languages (i.e. English), as Al makes it easier for more people to program, debug, and deploy software

- Coatue



Al-Powered Drug Discovery

A new drug discovery process is emerging where generative AI molecule generation, property prediction, and complex modeling will drive an intelligent lab-in-the-loop flywheel.

- Kimberly Powell, Nvidia



More Personalized Education

Al education tools piloted today are mind-blowing because they're tailored to each learner. One thing that excites me the most about this technology is localizing it to every student, no matter where they live.

- Bill Gates

Source: Coatue 41

The Most Popular

Al Tools of Last Year

- Chatbot
- Text Generator
- Image Generator
- Video Generator
- Data Science

If 2023 was a year of big, impressive, generalized AI chatbots, 2024 will be a year of the narrow and specialized.

Circle Size = Number of Visits

- Alex Kantrowitz

character.ai

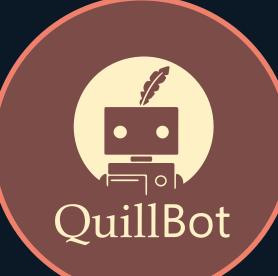
3.8B 15.8%

ChatGPT

14.6B

60.2%

of Industry Total



Quillbot 1.1B

4.7%



Midjourney 500.4M 2.1%



177.2M

0.7%

Lester A.

Janitor Al 192.4M 0.8%



CapCut 203.8M 0.8%



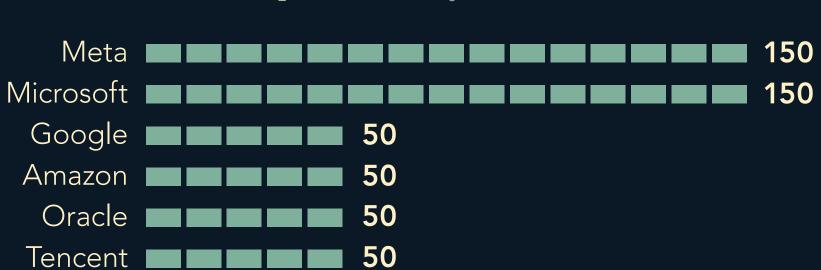
NovelAI 238.7M 1.0%



Bard 241.6M 1.0%

Hugging Face 316.6M 1.3%

2023 H100* Shipments by End Customer, Est.



Google mostly catches up to OpenAl and begins to neutralize the lead that ChatGPT has today.

- Hard Fork

Al Predictions from the Model Makers, Hardware Providers, and Power Users

Model Makers

In 2024, we will see the adoption gap widen.

The early adopters will have already gained valuable experience and started on a journey of acceleration, whereas the laggards will consider unblocking AI but will have missed out on early education.

- Arti Raman

Most companies will realize that smaller, cheaper, more specialized models make more sense for 99% of Al use-cases.

The cost of running AI is becoming an issue, even in domains where people are prepared to pay for it

- Clem Delangue

66 OpenAl is not going to be caught falling behind.

I predict that they will release GPT-4.5, a more powerful and faster version of GPT-4, in early 2024. We can expect to see GPT-5 later in the year, which is likely to integrate support for video and other multimedia content.

- Thomas Smith

Hardware Providers

Multimodality makes its mark: Text-based generative AI is set to become a thing of the past.

Companies such as Meta and OpenAI will look to push the boundaries of multimodal generative AI by adding greater support for the senses.

- Kari Briski, Nvidia

Al-powered design and engineering: Al will increasingly be used to design products, from inception to production.

Al tools will enable faster design cycles and more efficient use of materials.

- Bob Pette, Nvidia

66 Customization is coming to enterprises.

Companies won't have one or two generative Al applications — many will have hundreds of customized applications using proprietary data that is suited to various parts of their business.

- Manuvir Das, Nvidia

Power Users

66 Al-generated video becomes a reality.

If 2023 was the year of Al-generated text and images, 2024 is the year that Al video models go from fun experiments to mature products like ChatGPT that produce lifelike results.

- Zain Khan

66 Attackers and defenders will step up their use of AI.

The bad guys will use it to generate malware, automate attacks and strengthen social engineering campaigns. The good guys will counter by incorporating machine learning (ML) algorithms, natural language processing (NLP) and other Al-based tools into their cybersecurity strategies.

- Steven Stone

66 OpenAl becomes a product company.

And one of the ways we expect that to manifest is in "ship it" mindset. The "app store for AI" will be pushed hard as the platform to get your AI toys and tools from.

- Devin Coldewey

breakthrough year in terms of Al capability, safety, and general positivity about its potential impact.

- Greg Brockman

Al is about to supercharge the innovation pipeline and accelerate the rate of new discoveries at a pace we've never seen before.

- Bill Gates

I believe the Al revolution will create and improve far more jobs than it automates away. As the saying goes, 'you can't cut your way to growth'.

- Joseph M. Bradley

A vast majority of skeptics will use (and love) generative Al — whether they know it or not.

- Forrester Research

Al Dreamers

AI Skeptics

There will be growing consternation as the lack of a killer (generative) Al app becomes increasingly apparent.

- Eric Siegel

The \$86B OpenAl tender will someday be seen as the WeWork moment of Al.

- Gary Marcus

The hype built up in 2023 is going to be very hard for companies to follow through on. Expect a considerable customer withdrawal from Al tools as the benefits fail to justify the costs and risks.

- Devin Coldewey

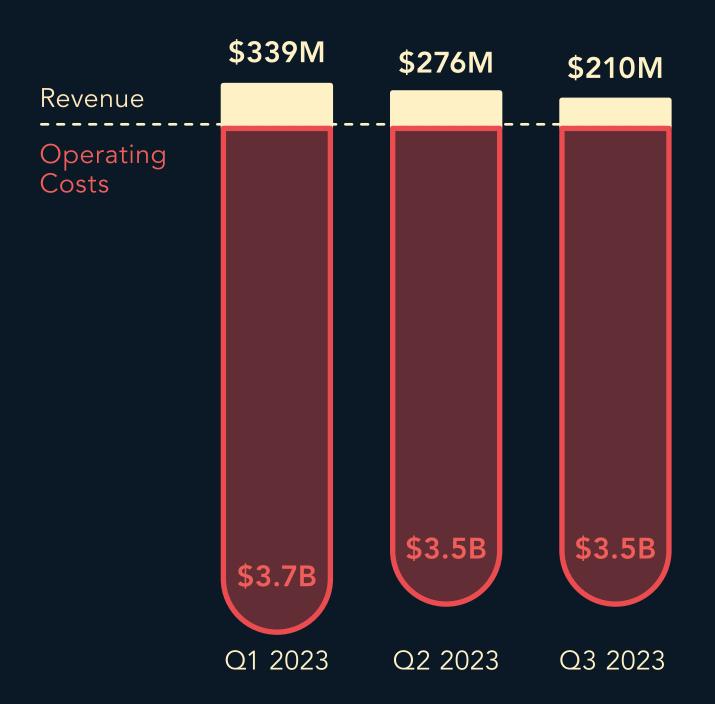
This year the Al bubble won't burst, but it will deflate. This is inevitable because of overinvestment: more than a quarter of U.S. venture funding went to Al startups last year.

- Scott Galloway

A Pivotal Year for Virtual Reality

Apple enters the VR scene in 2024, but Meta's financials show the difficult reality of the space.

Meta Reality Labs Revenue vs. Operating Costs



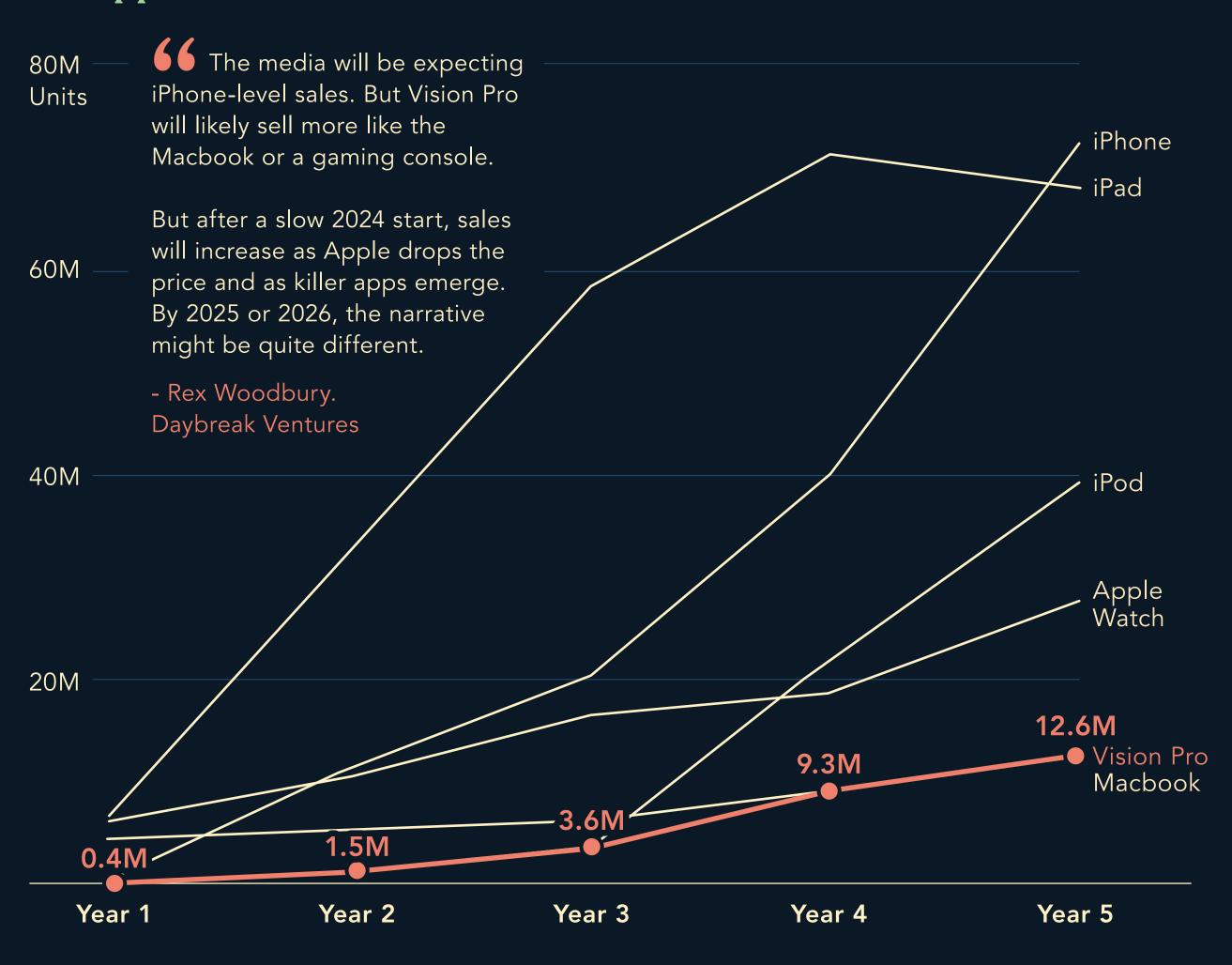
The recent release of Meta's Quest 3 and the impending release of Apple's Vision Pro mark major steps toward bringing VR, AR, and mixed reality to the masses.

- Yory Wurmser, Insider Intelligence emarketer

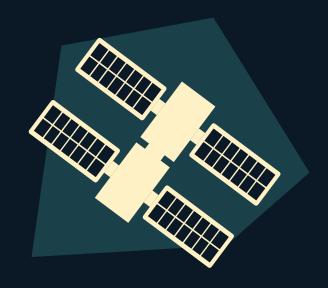
I think the big thing for 2024 is Apple's Vision Pro. Because the Apple headset and the Meta Quest 3 have passthrough, I think we're going to see a lot of experiments and a lot of ideas for the next versions of that hardware.

- Jack Maymar, VP of Innovation at Glimpse Group

Apple Vision Pro Sales Forecasts ______vs. Apple Products' First Five Years of Sales



Ten Space Milestones to Watch for in 2024



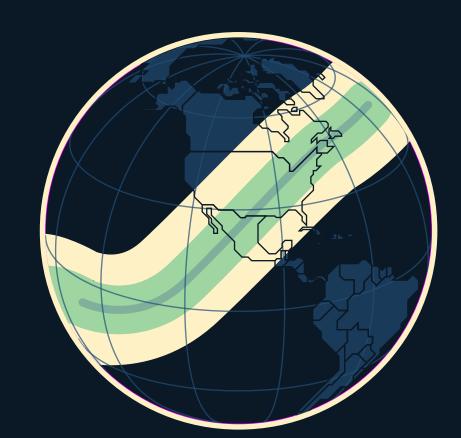
More aurora borealis and solar activity risk as solar cycle peaks.

Russian astronauts to leave the International Space Station.

In May, China's Chang'e 6 to obtain first samples from the lunar far side.

4 April 8, Total solar eclipse across
North America.

In November,
Artemis II to orbit
the moon with four
astronauts.



6 In November, VIPER to explore the Moon's south pole for water and carbon dioxide.

7 October 2, Total solar eclipse across South America.

8 October 10-31, Europa Clipper launch to explore Jupiter's moon Europa.



BLUE ORIGIN

9 Maiden flight of New Glenn and more launches from Blue Origin. 10 In Q1 2024, More Starship (and other)

SpaceX launches.

Things You'll See More of in 2024

Expensive coffee (and cups)

- Governments and cafes to introduce surcharges for disposable cups to combat environmental harm and waste. Consumption of coffee is now outstripping production, according to the International Coffee Organisation as well.
- Polly Denison

CRISPR gene-editing trial for common conditions

- In 2023 we saw CRISPR tackle sickle cell anemia. In 2024 we may see it be applied to more common conditions like high cholesterol.
- MIT Technology Review

Corporate taxes

- A global minimum corporationtax rate of 15% comes into force, under a deal struck by 130 countries in 2021. Some countries will start collecting "top up" taxes from big firms that use legal loopholes to shift profits to tax havens with lower rates.
- The Economist

Video game movies & shows

- Hollywood is looking to games for new IP that they can expand and monetize, and game companies are eyeing TV and film collaborations to help make their IP work harder and offset soaring game development costs.
- Deloitte

Social e-commerce

As Temu has exploded in the U.S., TikTok Shop will power the rise of social commerce. We're also seeing U.S. startups get in on the discount shopping craze.

TikTok Shop is on track to do ~\$15B in GMV this year, a ~250% increase YoY.

- Rex Woodbury, Daybreak Ventures

Robotaxis/self-driving cars

- They have made quiet progress, with the distance between "disengagements" (mistakes requiring intervention by a safety driver) ticking up across the industry, and commercial roll-outs in more cities.
- The Economist

More ads on streaming services

- Streaming sites and a lot more ads. As studios look for more revenue, most streamers are ramping up ad-free subscription tier prices and goading customers into downgrading to subscriptions that include advertising.
- Andrew Murfett

Weight loss drugs and their economic effects

- 66 People on Ozempic eat less fatty food, drink less alcohol, stop smoking... and many industries are worried. There will be winners like airlines (skinnier passengers use less fuel) and governments (spending less on fighting obesity-related health issues), but whether Ozempic ends up being a net positive is still up for discussion.
- Adrien Brook

Technology Predictions

Some of the hype and herd mentality behavior that shifted from crypto to AI in 2023 will shift back to crypto in 2024.

- Rob Toews

Nations will get real about population decline. We need to get to a place where as many women as possible don't feel like it has to be the baby or the career for them.

- Michelle Battersby

In the run-up to Vision Pro's launch, the media will proclaim the device as the "next big thing"—then later in the year, the same folks will denounce it as a giant flop.

3

- Rex Woodbury

2024 will be another year of record numbers of space tech companies being funded, with both early and growth-stage investment activity increasing.

- Mark Boggett

Al will get broadly recognized as a superior stock picker. 2024 will be the year of Al-powered stock picking, and if it's not, it's only because it's delayed rather than derailed.

- Doug Clinton

4







Will 2024 bring more layoffs in the tech sector?

Yes **51%**

37% A few, but not as many

13% No

With Apple's Vision Pro launching, will 2024 be the breakout year for virtual and extended reality headsets? Who will lead if so?

No, it won't take off 53%

9%

38% Yes, Apple will lead

Yes, Meta will lead

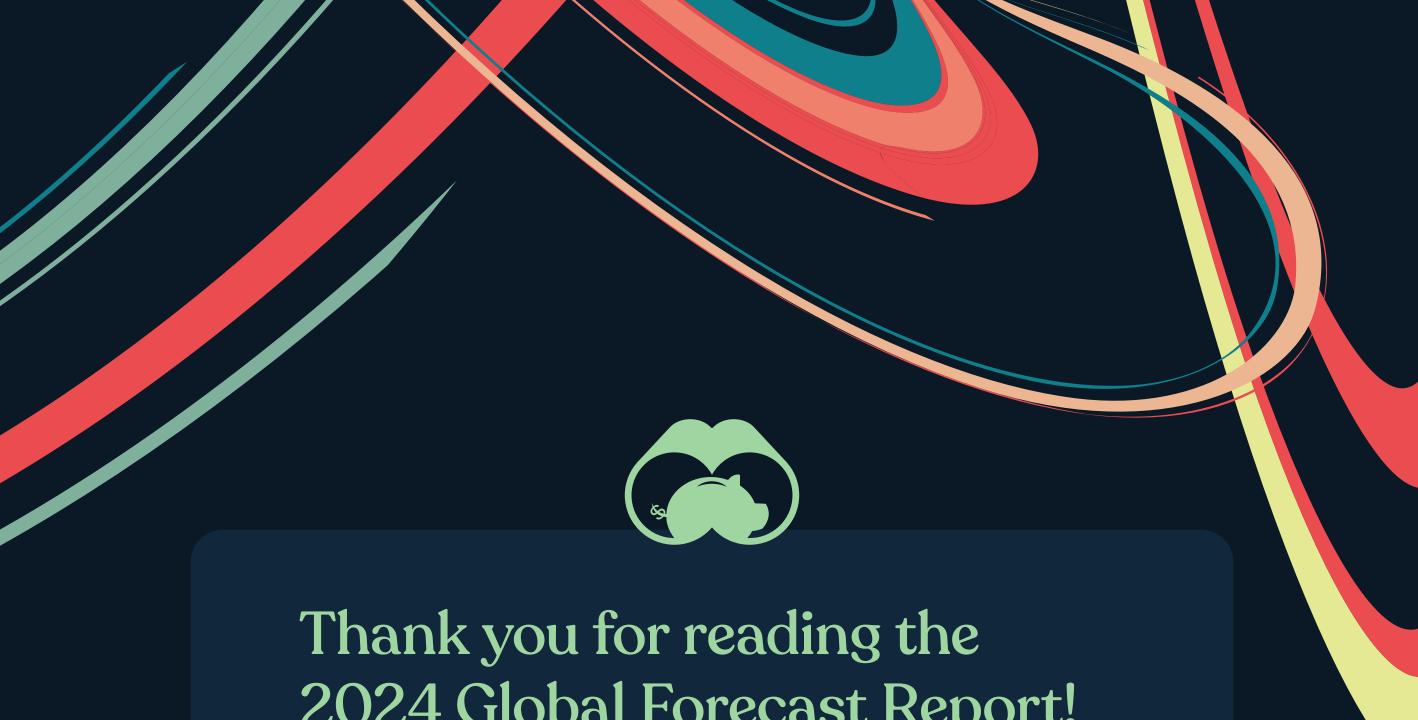
Will artificial general intelligence (AGI) be achieved in 2024?

Yes, they'll tell us

No **55%**

33% Yes, but they won't tell us

12%



2024 Global Forecast Report!

For further exploration, below are six of the

For further exploration, below are six of the most insightful and interesting publications we found while gathering predictions for the Global Forecast Report.

If you have any questions or predictions of your own you'd like us to talk about in our upcoming video exploring 2024 forecasts, you can email them in to us at vcplus@visualcapitalist.com.

Further Reading

17 Predictions for 2024 - Nividia Al Experts

https://blogs.nvidia.com/blog/2024-ai-predictions

The Trends of 2024 - Pinterest Predicts

https://business.pinterest.com/en-au/pinterest-predicts

Eight Outrageous Predictions - Saxo Bank

https://www.home.saxo/insights/news-and-research/thought-leadership/outrageous-predictions

Big Ideas 2024 - Andreessen Horowitz

https://www.technologyreview.com/2023/01/09/1066394/10-breakthrough-technologies-2023

10 Breakthrough Technologies 2023 - MIT Technology Review

https://a16z.com/big-ideas-in-tech-2024

Eye on the Market Outlook 2024 - J.P. Morgan's Michael Cembalest

https://privatebank.jpmorgan.com/content/dam/jpm-wm-aem/global/cwm/en/insights eye-on-the-market/outlook-2024-jpmwm.pdf