DELTA INVESTMENT MANAGEMENT



How To Make Money In a World Where the Financial Experts Are Almost Always Wrong

Disclosures

The presentation is being provided for informational purposes only and should not be used or construed as a recommendation of any security, sector or investment strategy.

The opinions in this presentation are as of the date of the presentation.

Stock and bond markets are volatile and can decline significantly in response to adverse issuer, political, regulatory, market, or economic developments as well as interest rate risk, inflation, credit and default rates. In addition, foreign securities are subject to interest rate, currency exchange rate, economic and political risks, all of which are magnified in emerging markets.

The S&P 500 Index is a market capitalization weighted index of 500 widely held stocks often used as a proxy for the stock market.

Consider the investment objectives, risks, charges, expenses, and instruments used to implement a strategy before investing.

Past performance is no guarantee of future results or returns.

Investing involves risk, including risk of loss.

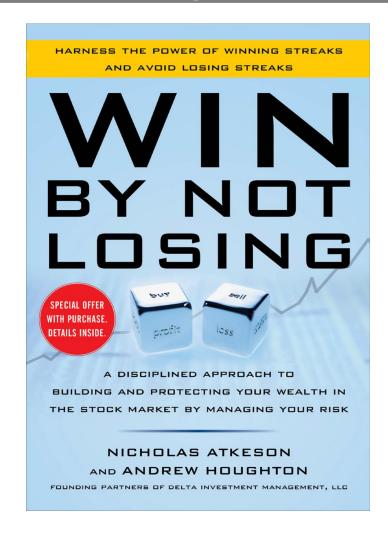
Delta Investment Management is an SEC registered investment advisor. The firm is based in San Francisco, CA. For more information, please visit www.deltaim.com or call (415) 249-6337.

Delta Investment Philosophy

- We believe there are periods in market cycles to be fully invested and there are other periods not to be fully invested
- ❖ As such, we believe it is necessary to be proactive in managing money
- ❖ As active managers, we follow market-tested, proven investment disciplines
- During bullish cycles, we seek to invest in the strongest performing assets
- During bearish cycles, we seek to preserve capital by reducing exposure to risk assets
- We believe diversification in both asset type and asset allocation methodology strengthens portfolio performance through the full investment cycle

Win by Not Losing

Book Available On Amazon



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Delta MSI in Barron's

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Market Laboratory • Indicators

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DELTA MARKET SENTIMENT INDICA

The Delta MSI measures the position of ~3,600 stocks rel intermediate-term moving average crossover (MAC) po greater than 50% of the stocks followed are above this MAC market is bullish and equities are attractive. When the i below 50%, risk is elevated and stock exposures should b Manager uses discretion on asset allocation when MSI is 5

Current Sentiment	Last	2 Weeks	3 Weeks
	Week	Ago	Age
BULLISH	52.1%	67.4%	65.2%

Current Market Exposure: 100% Equities, 0% Bonds Source: Delta Investment Man www.deltaim.com, (415)

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DELTA MARKET SENTIMENT INDICATOR

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Source Delia Investment Management reune deltaire com, (415) 249

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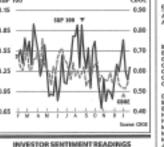
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ADJUSTABLE MORTGAGE BASE RATES

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Year Trees Bills	0.11	0.11	0.15	-26.67
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Year Trees Notes	0.50	0.78	0.20	105.13
Year Tress Notes	1.65	1.85	0.79	105.06
Year Treas Notes	2.82	2.86	1.90	48.42
) Year Trong Gdg	1.47	3.53	2.65	39.45
1th District % Dec	0.784	0.763	1,071	-26.80
FHFB Contract Bate	4.25	4.21	5.29	29.18
Fed annualized yields adjust	ted for con	BAC MA	ority, Fil	RB Fed-
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CROE PUT/CALL RATIO vs SRP 100 Boulings in the CBOE equity put-call ratio of 68:108 and in the SEP 100 of 185:100 are considered bullet. For instance, Beachin signals that when the opulir put-call level reaches the retently of 30:000 and the noise ratio into Vision. 0.90 3.15



High bullish readings in the Consensus stock index or in the Market Vancatoric index usually are signs of Market tops; for over, market bottome.

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Consensus Bullish Ser		71%	72%
	winc. P.O.Box5305		
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Source A	Imerican Association	of Individual I	muches,
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Market Vane Bullish Consenses 81% 69% 68% Source Market None, F.O. Burri 0490. Peudone, GV911019636399-3418.

TIM Group Market Sentiment Indicate Formely-First Coverage) 54.5% 59.7% 54.3% Source: Title Group 101 Arch 54, Saite 1765 Boston, MAGET 18 W17/1913-81-90, timuspom@rimgroup.com

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DELTA INVESTMENT MANAGEMENT

Weekly Newsletter



Delta Insights
a weekly commentary on investing

Delta Investment Management is a registered investment advisory firm headquartered in San Francisco.

Delta welcomes discussions with individuals seeking investment advice and advisors seeking a new partner.

Delta manages stock and bond portfolios at Schwab and TD Ameritrade.

Please contact Delta at info@deltaim.com or 415-249-6337 if you would like to learn more how we can be your partner.

Data Point to Data Point

Sept 8, 2023
Dear Nicholas,

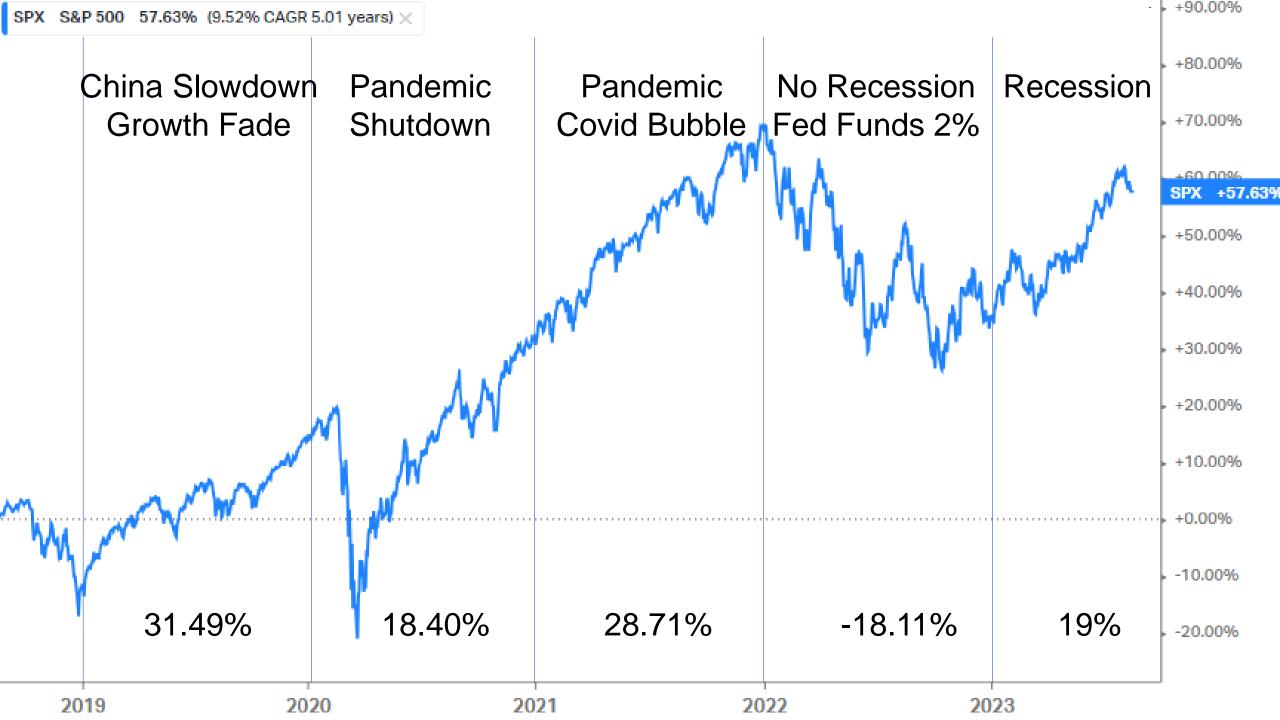
Since Covid, macroeconomic forecasts have been mostly wrong. Few expected the market to be up roughly 18% in 2020 after an intra-year decline of 35%. Almost all market strategists forecasted a recession in 2023 and a down market.

The pandemic and the unprecedented fiscal and monetary responses to it are driving unexpected stock market and economic outcomes. Because the market has been so hard to accurately predict, the Fed and many investors are highly data point driven. It is somewhat like navigating through a dark room on the basis of what you bump into.

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"Predicting an event is one thing, and benefiting from it is another thing. See, I'm a very bad predictor
— I'm wrong most of the time — but it doesn't cost me much to be wrong. That's what matters, it's the payoff, not the frequency of being correct."

Nassim Taleb (mathematical statistician, option trader, risk analyst)

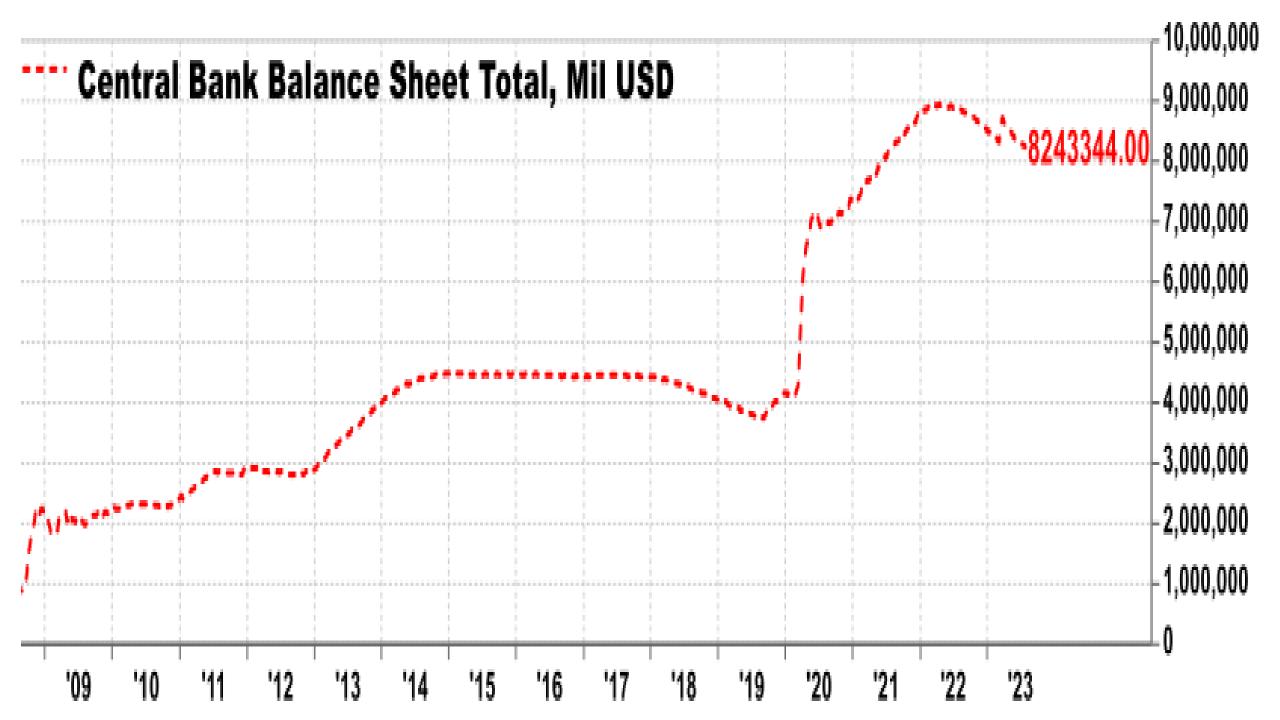


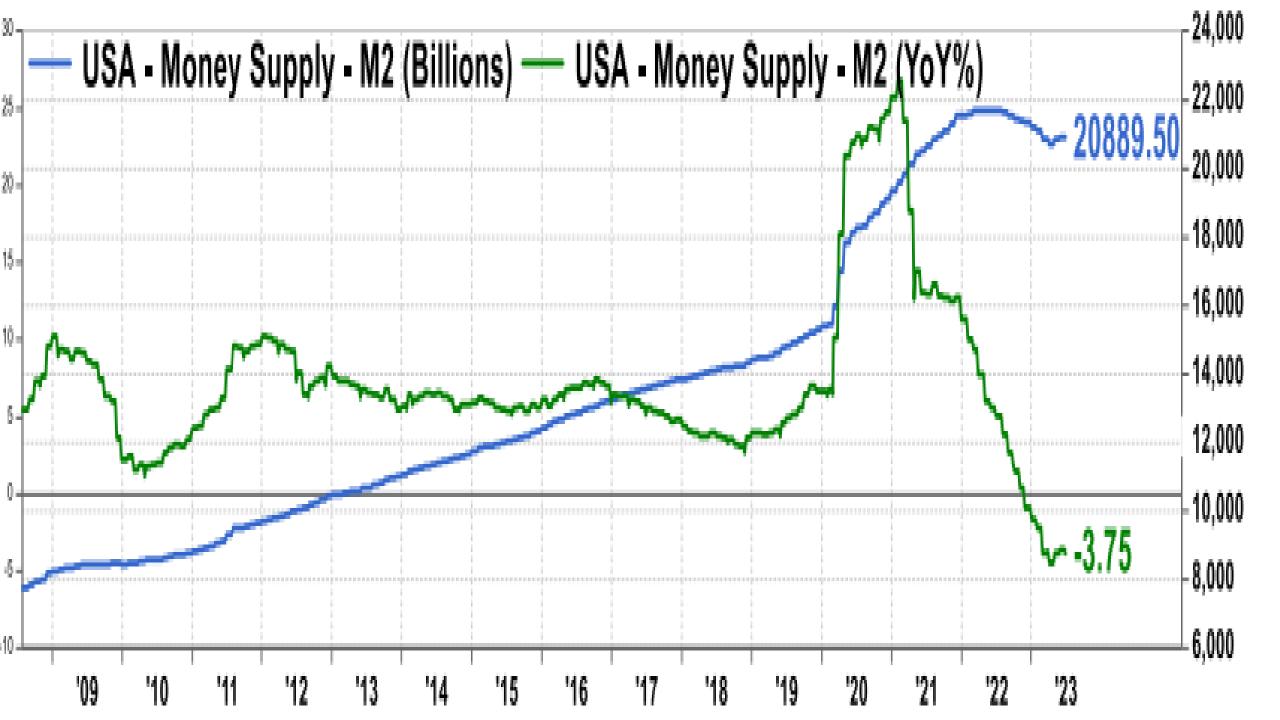
Why Are Macroeconomic Predictions Wrong Since 2020?

Because: Robust, long-term macroeconomic correlations and relationships were temporarily disrupted by Pandemic and the Unprecedented Policy, Fiscal and Monetary response.

Steps to disruptions:

- 1. Shut the economy down
- 2. Flood consumers with money
- 3. Constrained supply confronted high demand
- 4. Unprecedented Inflation
- 5. Unprecedented rate response
- 6. Impossible to predict stock market action





Fiscal Response

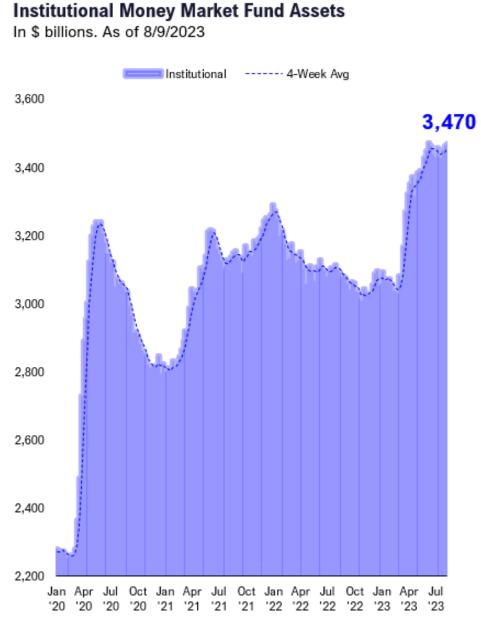
\$5 – 7 Trillion of Fiscal Response

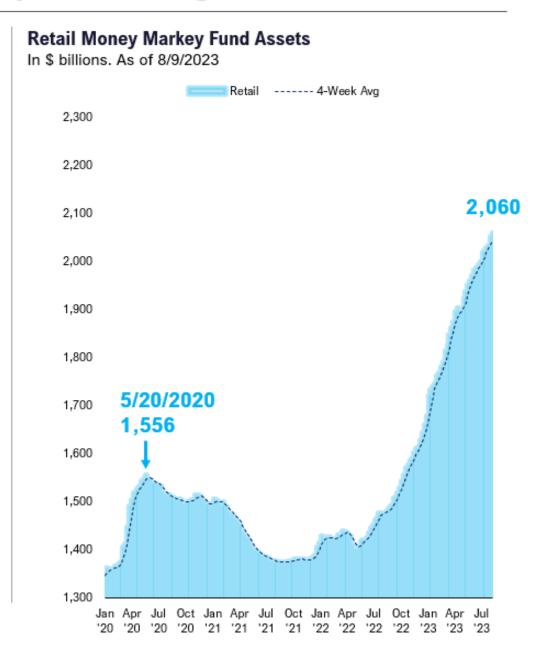
- Coronavirus Preparedness and Response Supplemental Appropriations Act, 2020, \$8.3 billion
- Families First Coronavirus Response Act, at least \$1 billion
- Federal Housing Authorities eviction moratoriums
- CARES Act, 2020, Largest relief package in U.S. history, \$2.3 trillion
- Supplement to CARES Act, 2020, \$484 billion
- Paycheck Protection Program Flexibility Act, 2020, Made payroll protection standards lower
- State stimulus checks, rebates, refunds and tax credits
- Lost Wages Assistance, 2020 \$44 billion
- Student Loan moratorium on payments and interest accrual
- Department of Housing and Urban Development assistance to homeowners and renters
- Payroll tax deferment
- CAA, 2020 \$900 billion
- American Rescue Plan, 2021, \$1.9 trillion
- Inflation Reduction Act, \$500 billion

Household Net Worth



RETAIL: Sitting on more cash than pandemic high





Source: Fundstrat, ICI, Bloomberg

Financial Health of the Consumer Excellent – Mizuho Securities

- Accumulated PCE savings is between \$400 billion to \$1 trillion. Fed estimate is \$100 billion.
- Net wealth near all-time high; equities and real-estate.
- Full employment
- Household liabilities near 20-year lows relative to income
- Credit card balances near 30-year lows at around 5-6% of disposable income
- Mortgage interest paid is near record lows at 2.7% of income. This
 is offsetting the rising cost of debt elsewhere.

Why Do We Care About Forecasting Recessions?

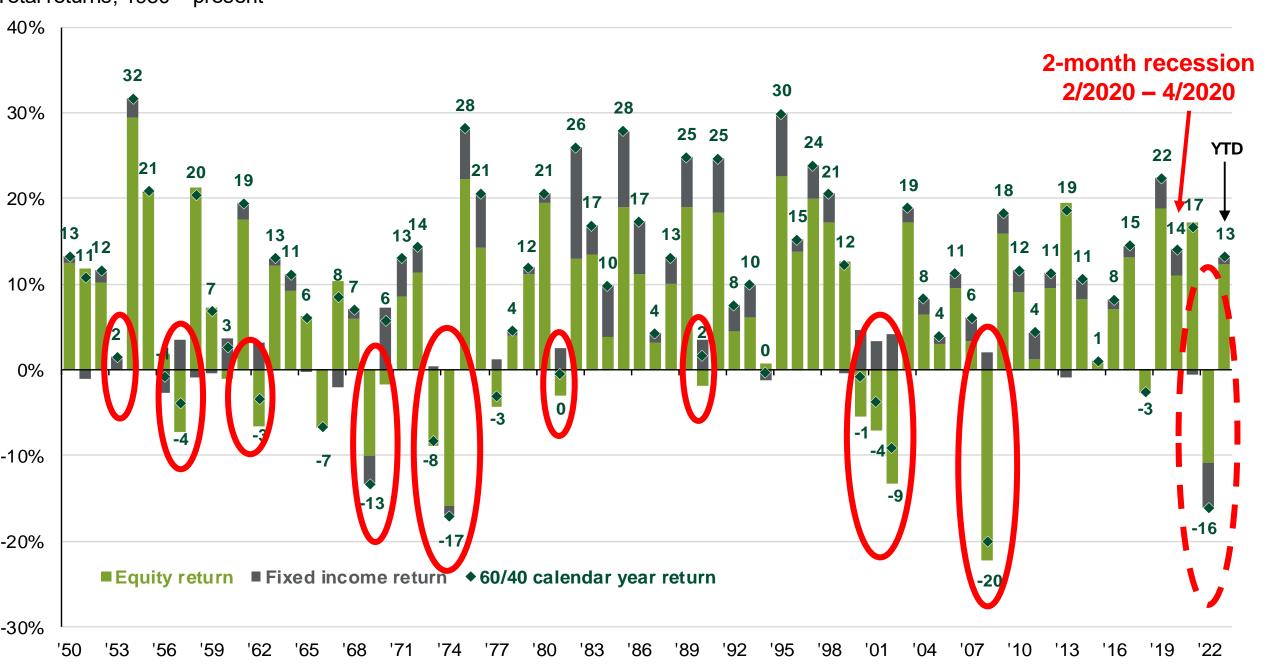
Answer:

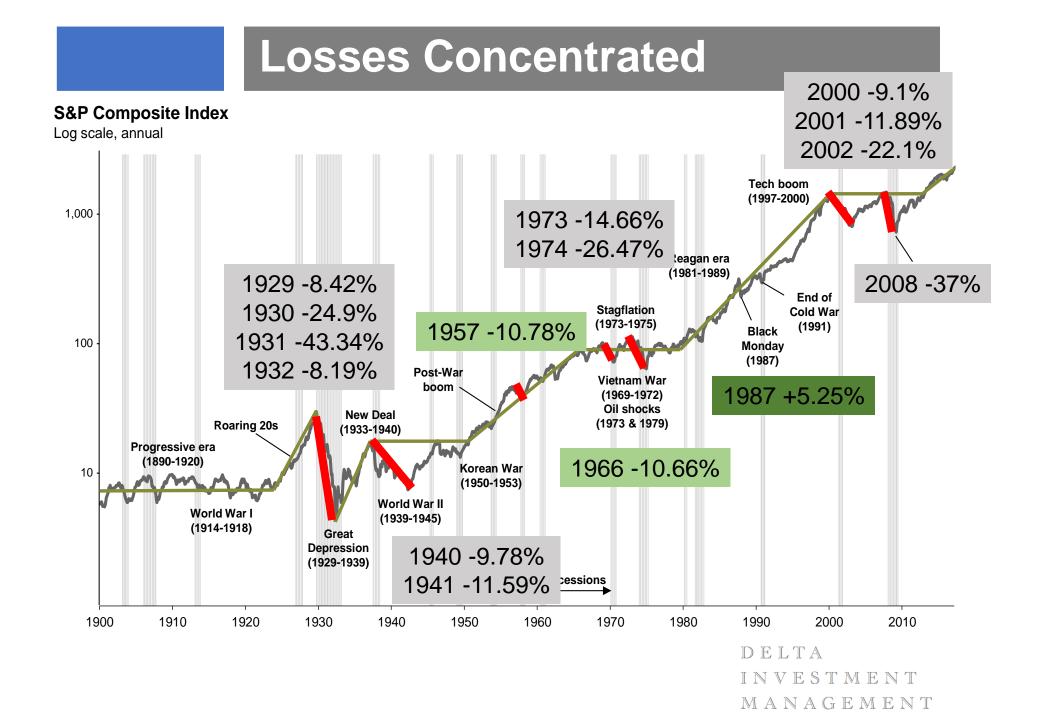
- 1. The stock market behaves very differently During Recession, and
- 2. Not much else matters from a forecasting standpoint.

S&P intra-year declines vs. calendar year returns 2-month recession Despite average intra-year drops of 14.3%, annual returns were positive in 32 of 43 years 2/2020 - 4/2020 40% 34% 31% YTD 30% 29% 30% 27% 27% 26% 26% 26% 27% 26% 23% 20% 20% 20% 19% 20% 17% 16% 15% 15% 14% 13% 13% 12% 11% 10% 9% 10% 3% 0% 0% -1% -3% -8%-6%-6%-5% -<u>6%</u>-<u>7%</u> -10% **-8%** ● -9% -10% -10% -10% -11% -13% -13% **-16%** ● -20% % -1 -18% -19% -19% -19% -20% -20% -25% -30% -2 -34% -34% -34% -40% -38% -50% -60% '10 '80 '85 '90 '95 '00 '05 '15 '20

60/40 annual return decomposition

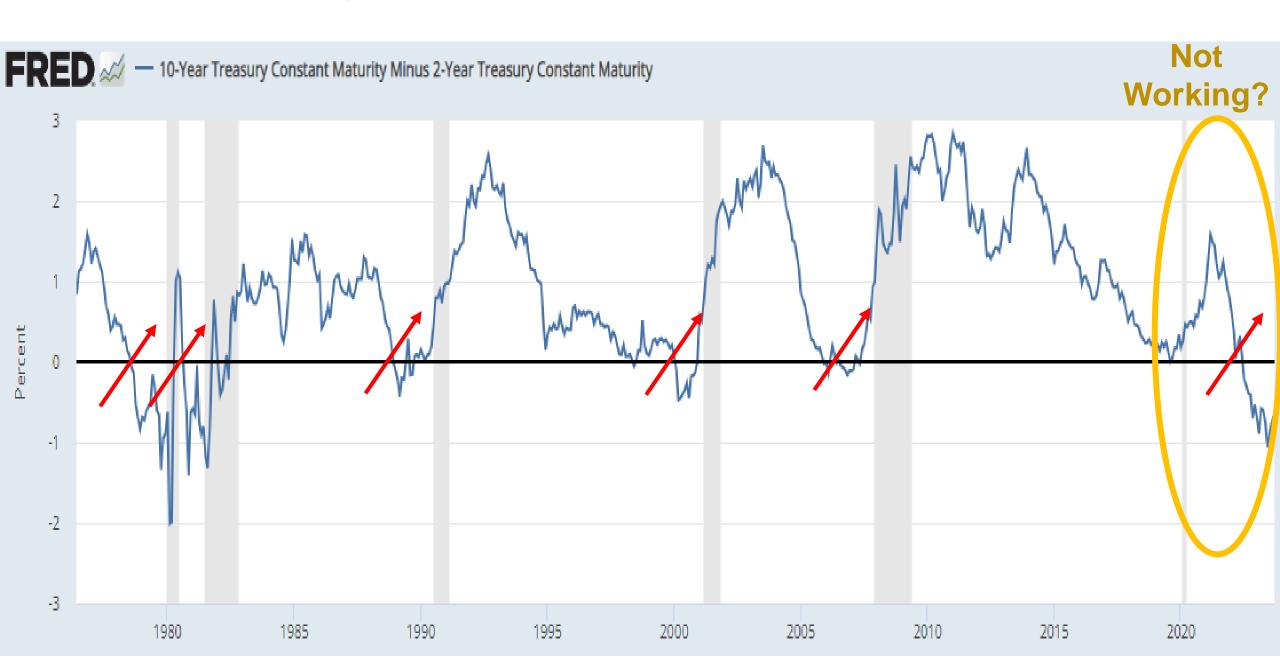






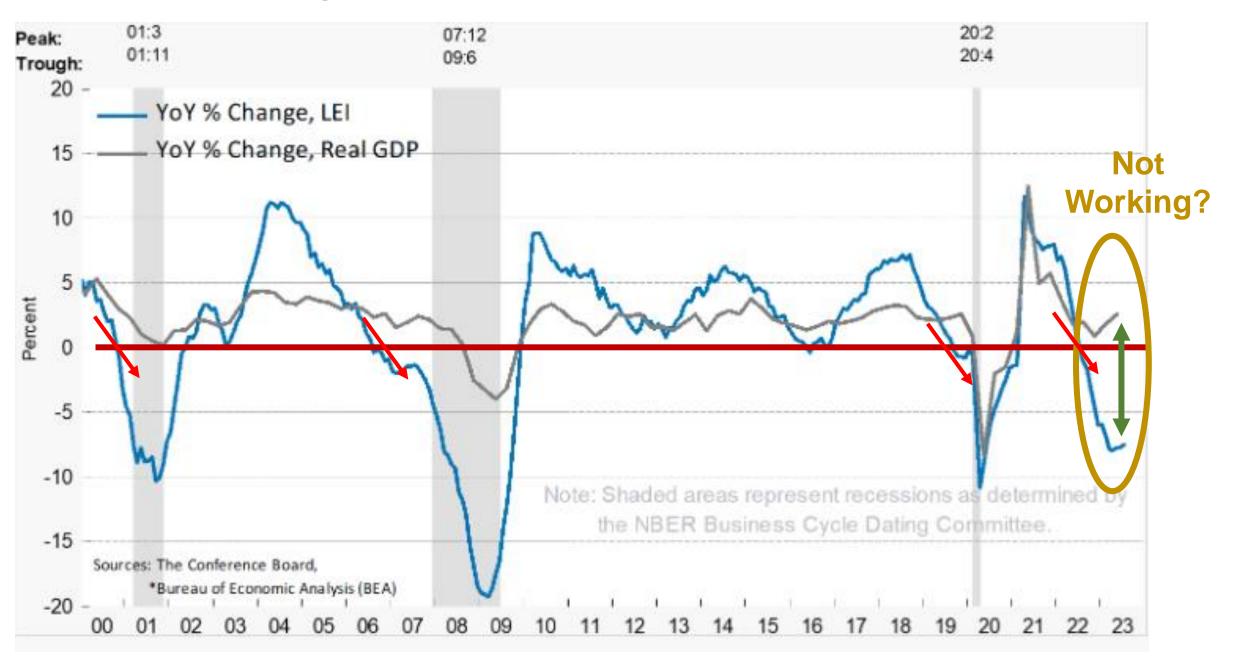
The Two Most Robust Recession Indicators are the U.S. Treasury Yield Curve and the Leading Economic Index (LEI)

Treasury Yield Curve Inversions and Recessions

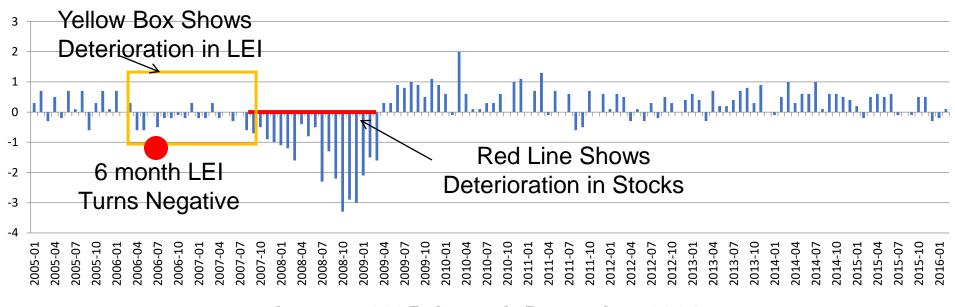


Since its inception in the 1960s, the LEI has neither failed to signal an eventual recession (a type 2 error) nor suggested there would be a recession that never came (a type 1 error). It is a perfect 8-for-8.

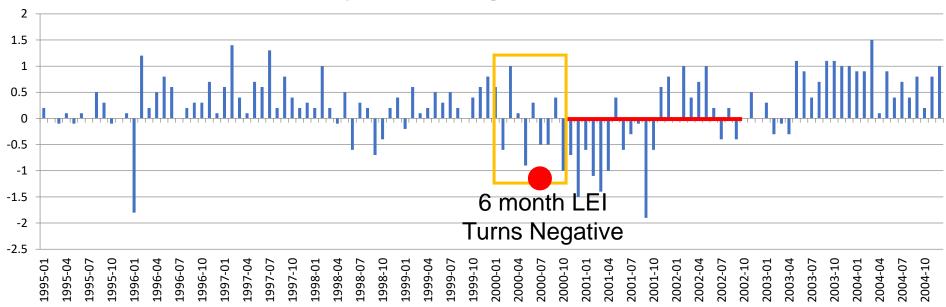
Leading Economic Index (LEI) and Recessions



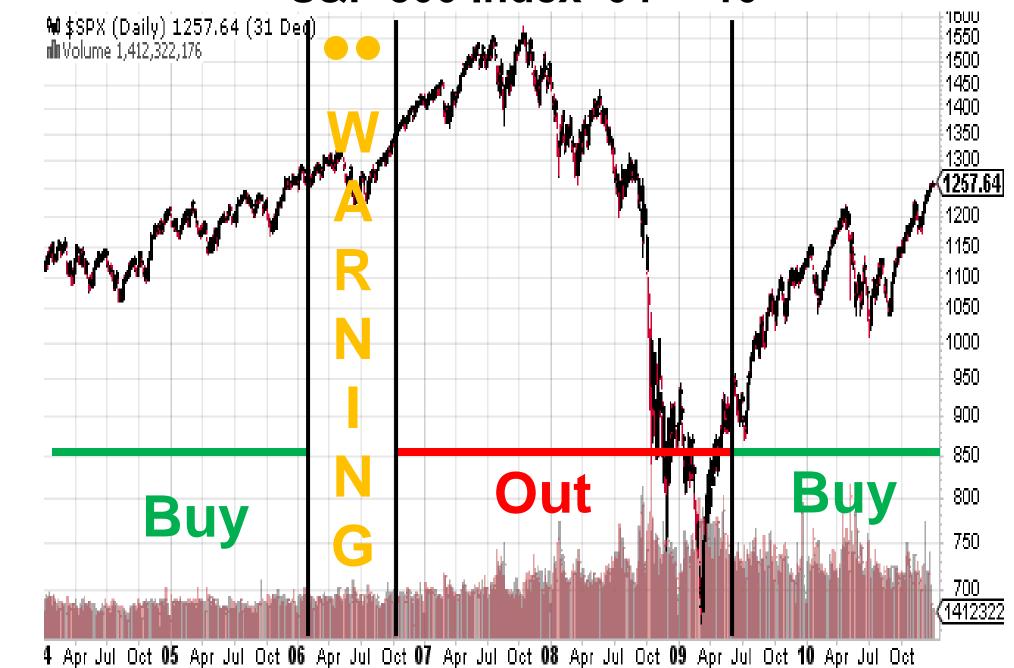
Leading Economic Index (LEI) % Change Monthly January 2005 through February 2016



January 1995 through December 2004



S&P 500 Index '04 - '10



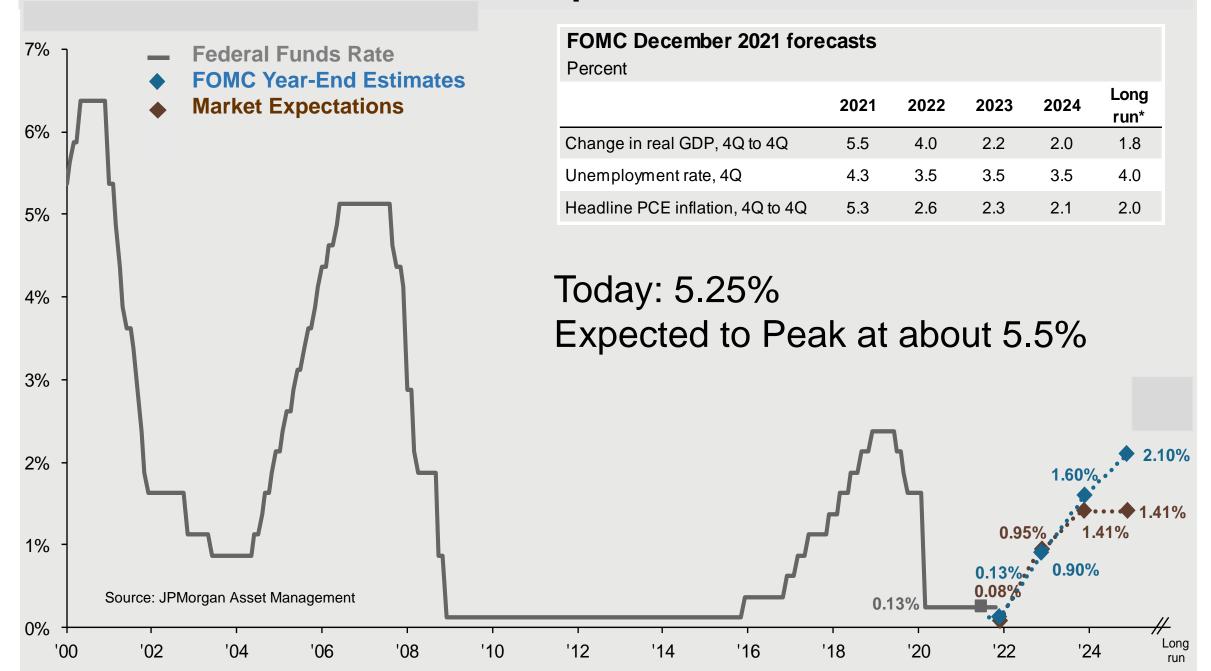
Core PCE (Inflation), 10-Years



Personal Consumption Expenditures Excluding Food and Energy (Chain-Type Price Index)



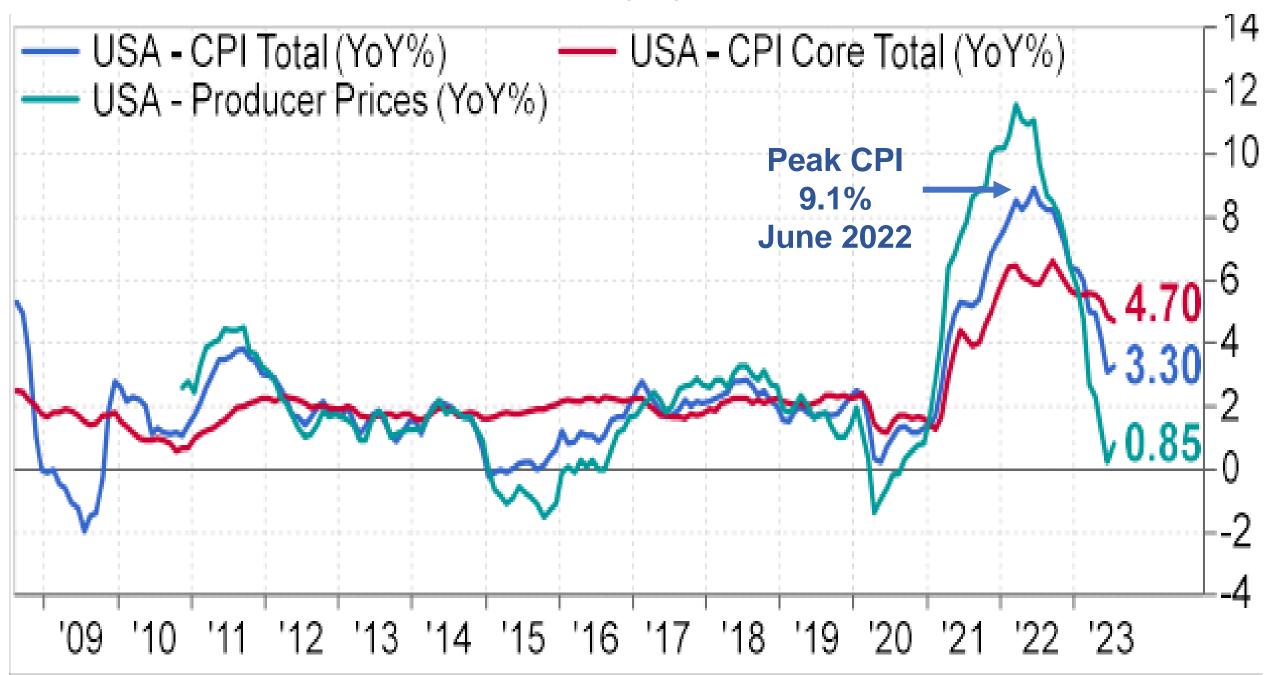
Federal Funds Rate Expectations December 2021

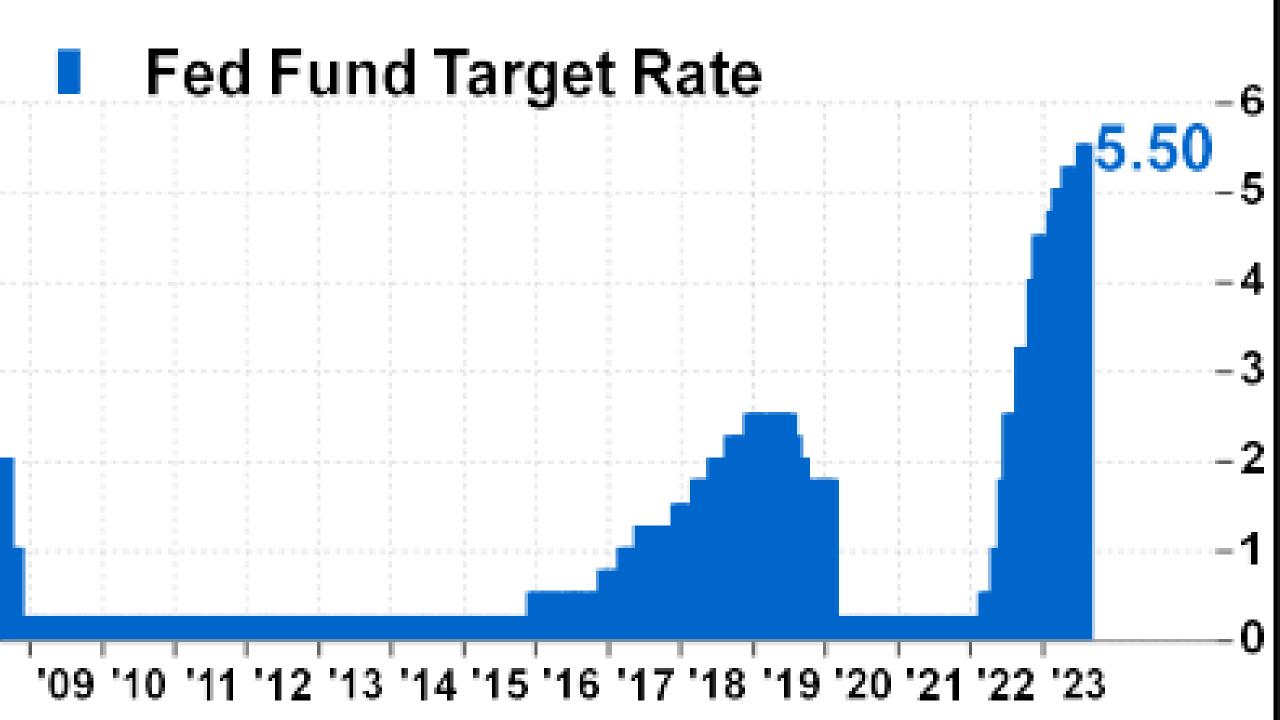


Inflation Was Supposed to be Transitory

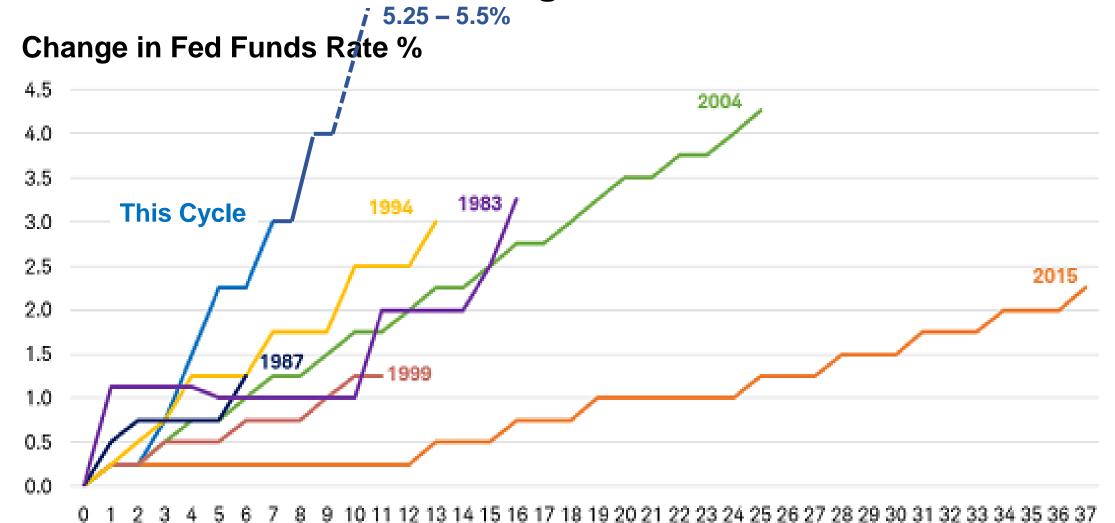
- Supply Chain was supposed to reopen faster than it did
- China was supposed to give up on Zero-Covid long ago
- Russia was not expected to invade Ukraine. Regional conflict typically does not last long.







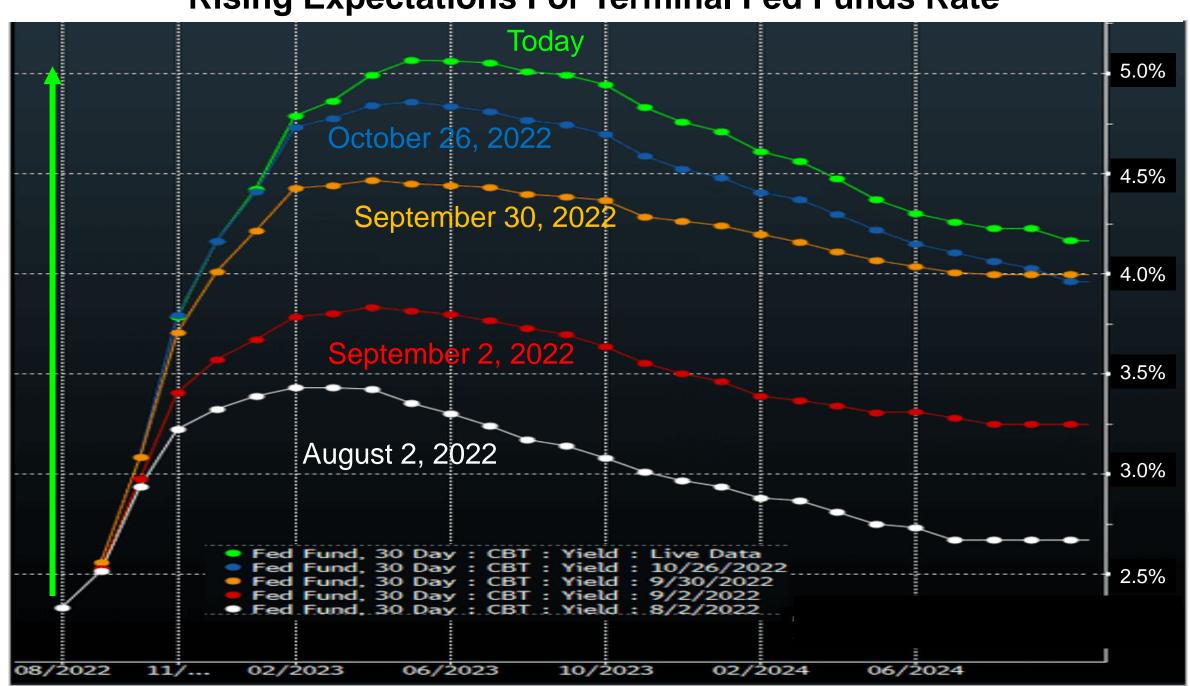
Fed Funds Rising at Fastest Pace Ever



Months Relative to the First Rate Hike

Note: Data is short-term interest rate targeted by the Federal Reserve's Federal Open Market Committee as part of its monetary policy. Source: Bloomberg, Federal Funds Target Rate – Upper Bound (FDTR Index), using monthly data.

Rising Expectations For Terminal Fed Funds Rate

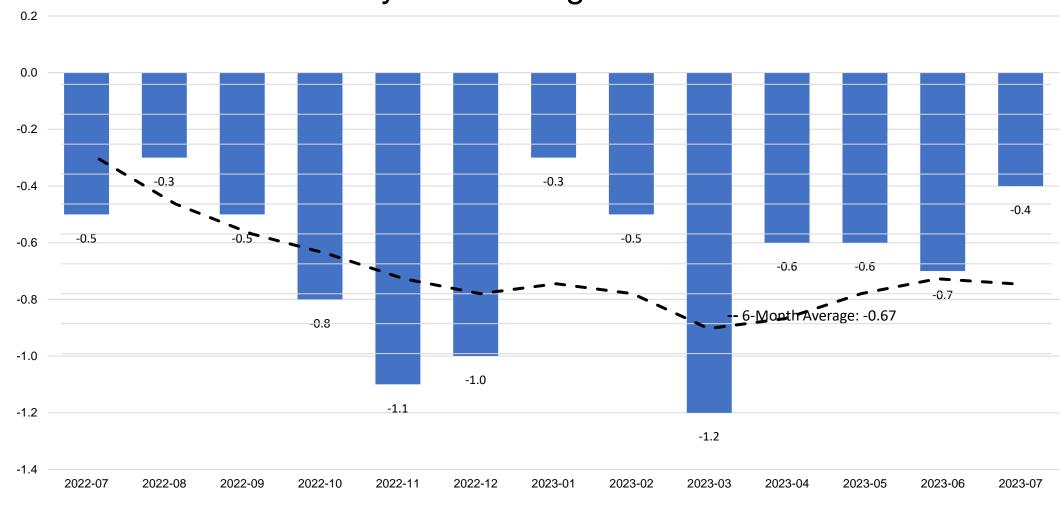


S&P 500 2022



Leading Economic Index % Change Monthly

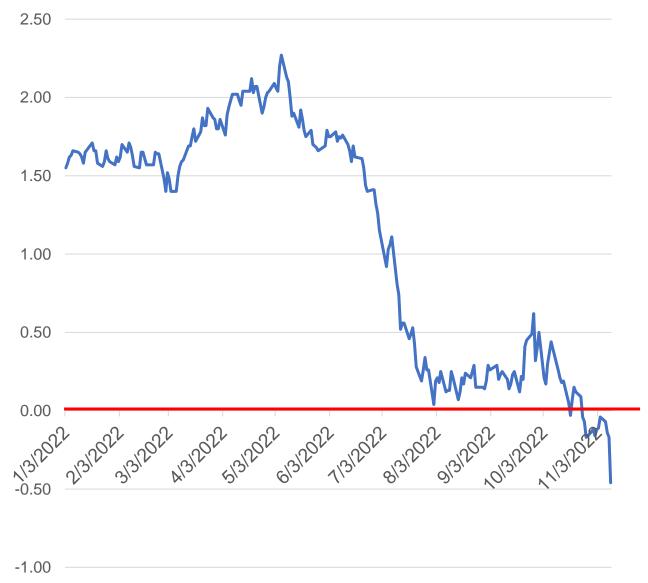
July 2022 – August 2023



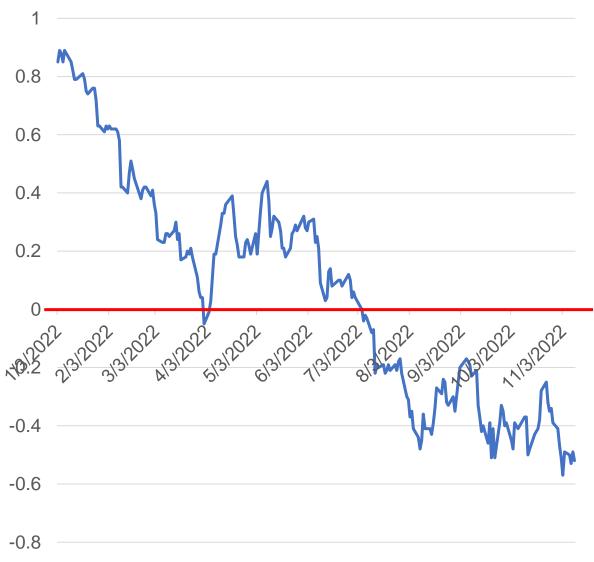
Source: The Conference Board – last update 8/17/2023

Yield Curves Inverted

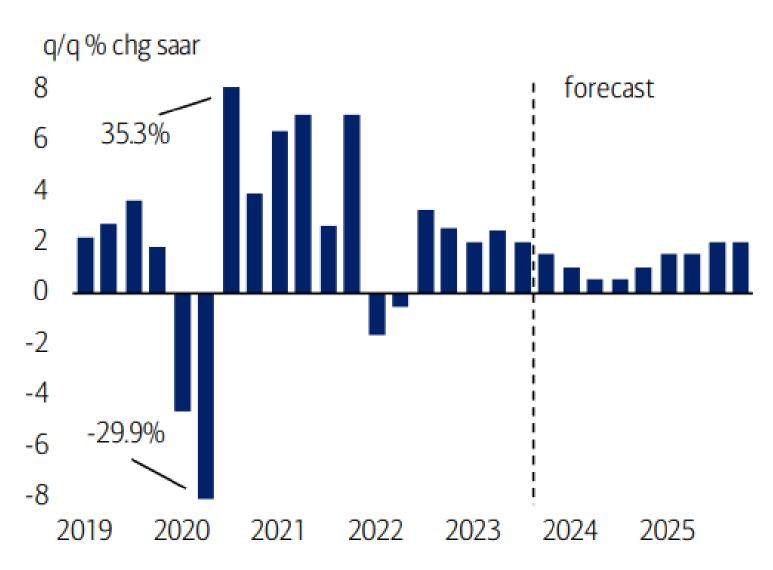
3-Month vs. 10-Year Treasury



2-Year vs. 10-Year Treasury



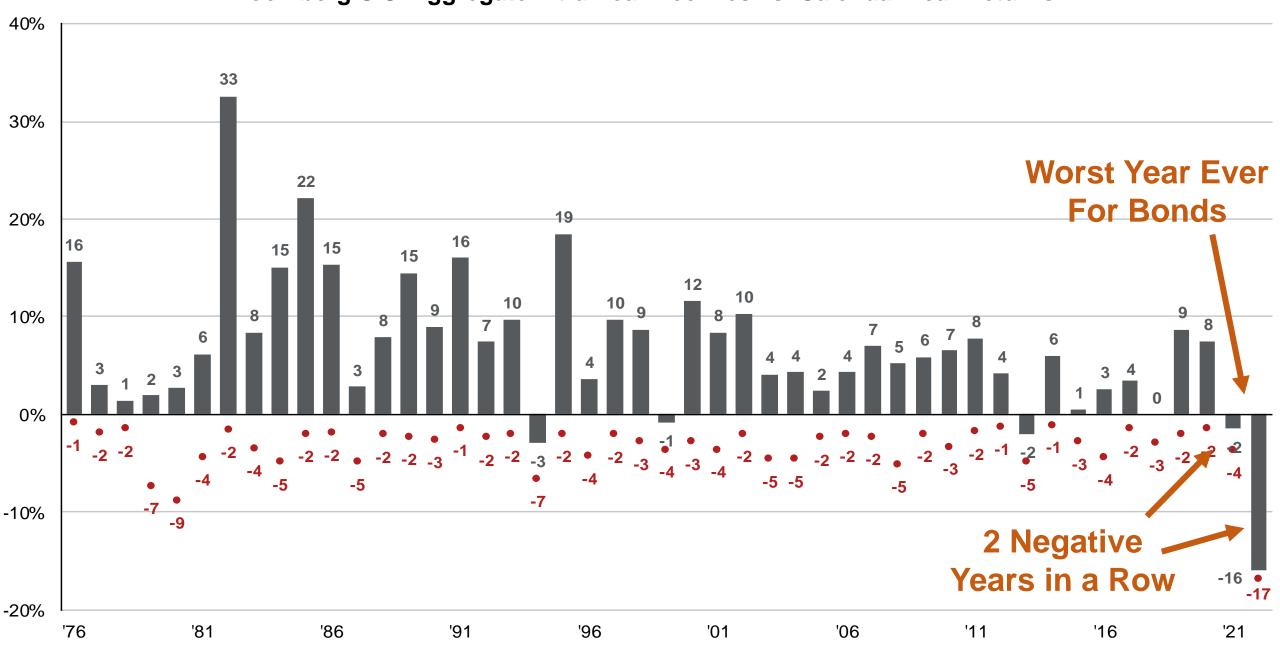
Real GDP Growth (q/q % change saar)



Source: BEA, Haver Analytics, BofA Global Research

Bloomberg US Agg. Annual Returns and Intra-Year Declines

Bloomberg U.S. Aggregate Intra-Year Declines vs. Calendar Year Returns



Institutional Investors Survey

As of 11/01/2022

End of 2023

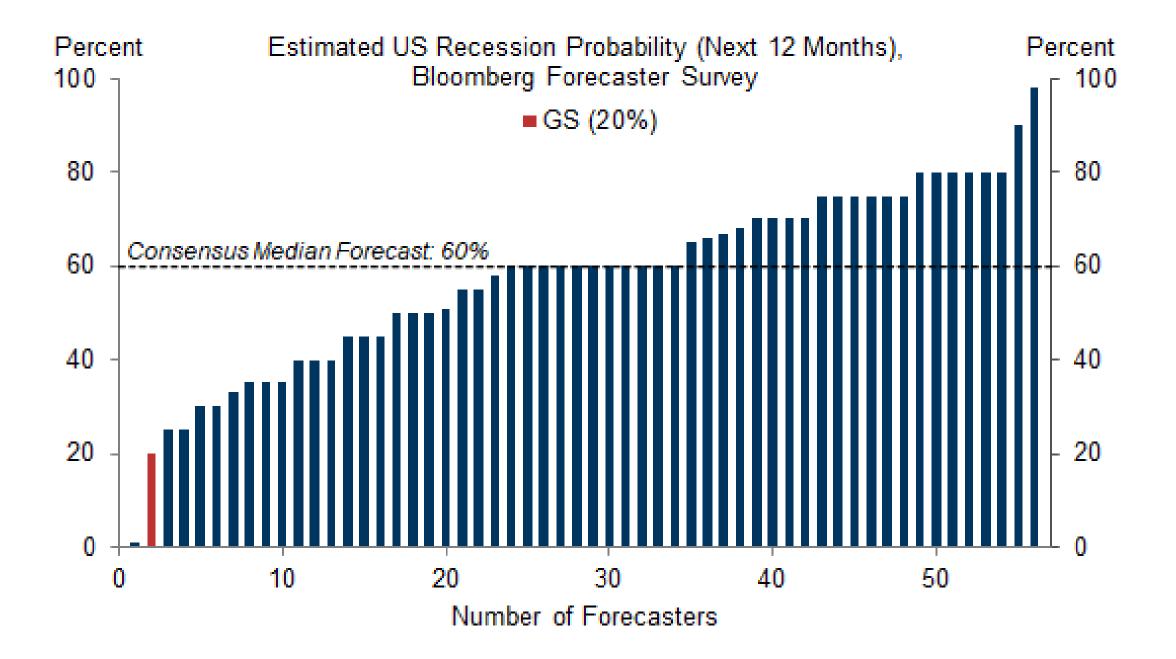
<u>LOW</u> <u>HIGH</u>

S&P 500 Earnings \$170 \$220

S&P 500 Index 2500 4200

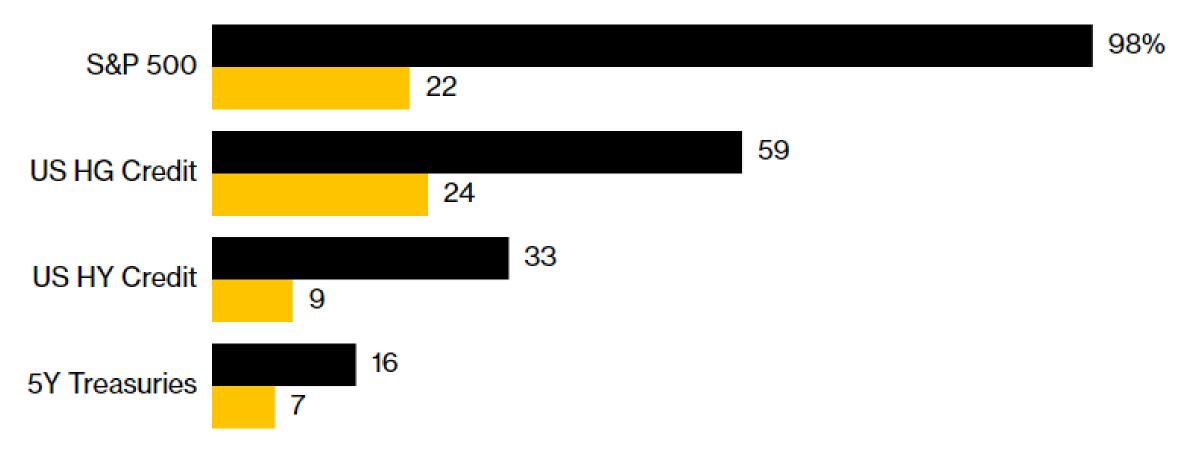
Peak Fed Funds Rate ~5%

Recession in Spring 2023



Recession Probabilities Have Tumbled Across Asset Classes

October 2022 August 2023

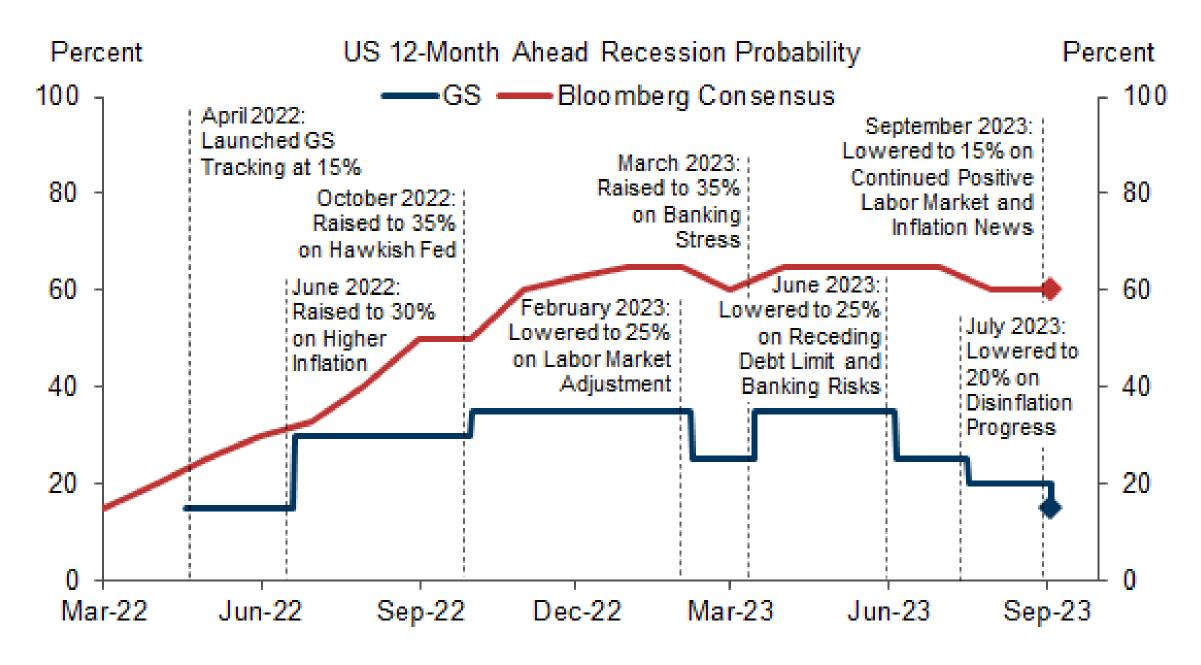


Probability of a recession currently priced in across assets

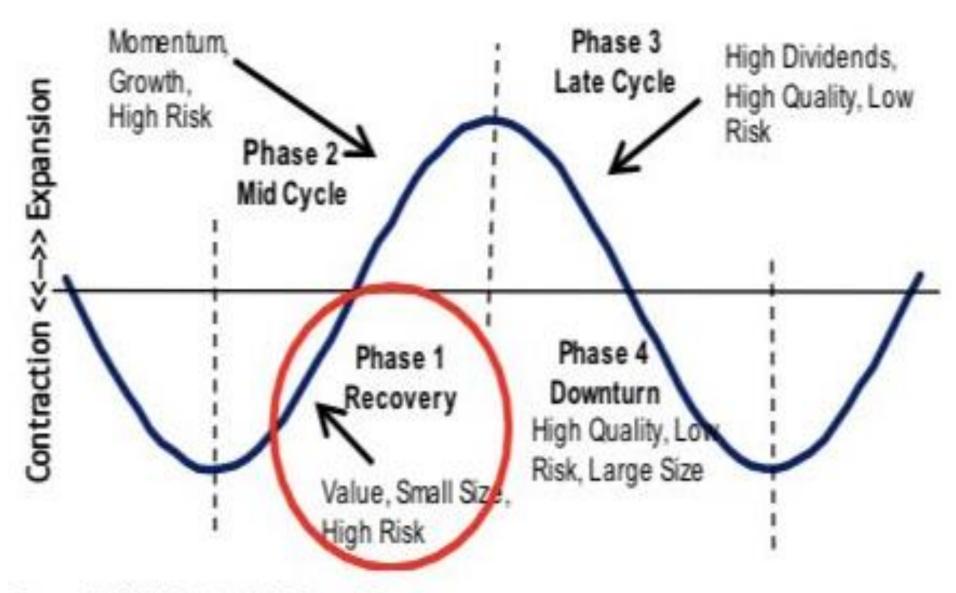
JPMorgan

The bank calculates the metrics by comparing the pre-recession peaks of various classes and their troughs during the economic contraction.

GS Recession Risk Down to Long-Term Average 15%

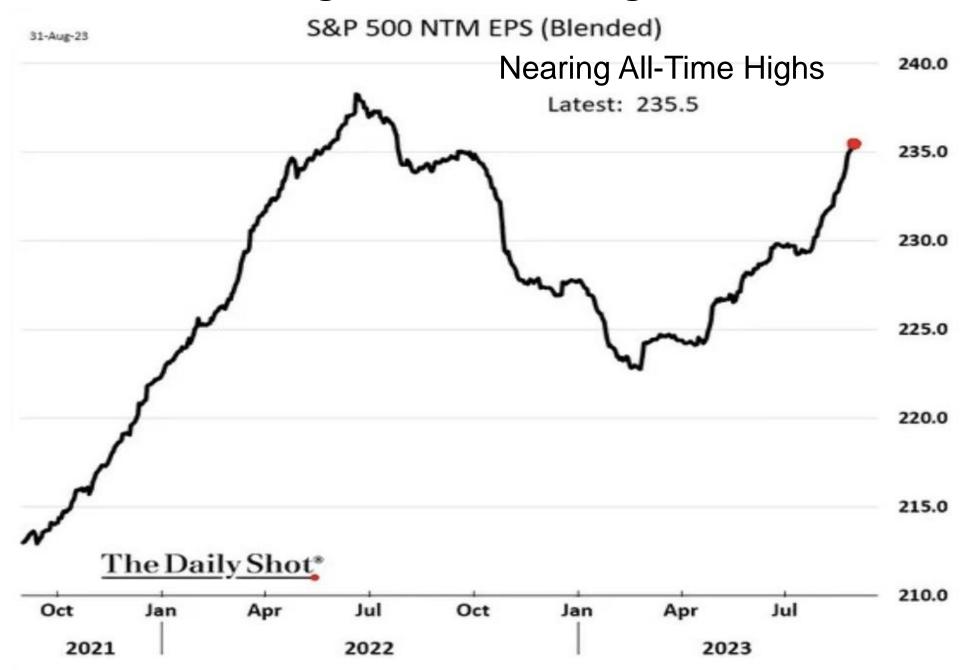


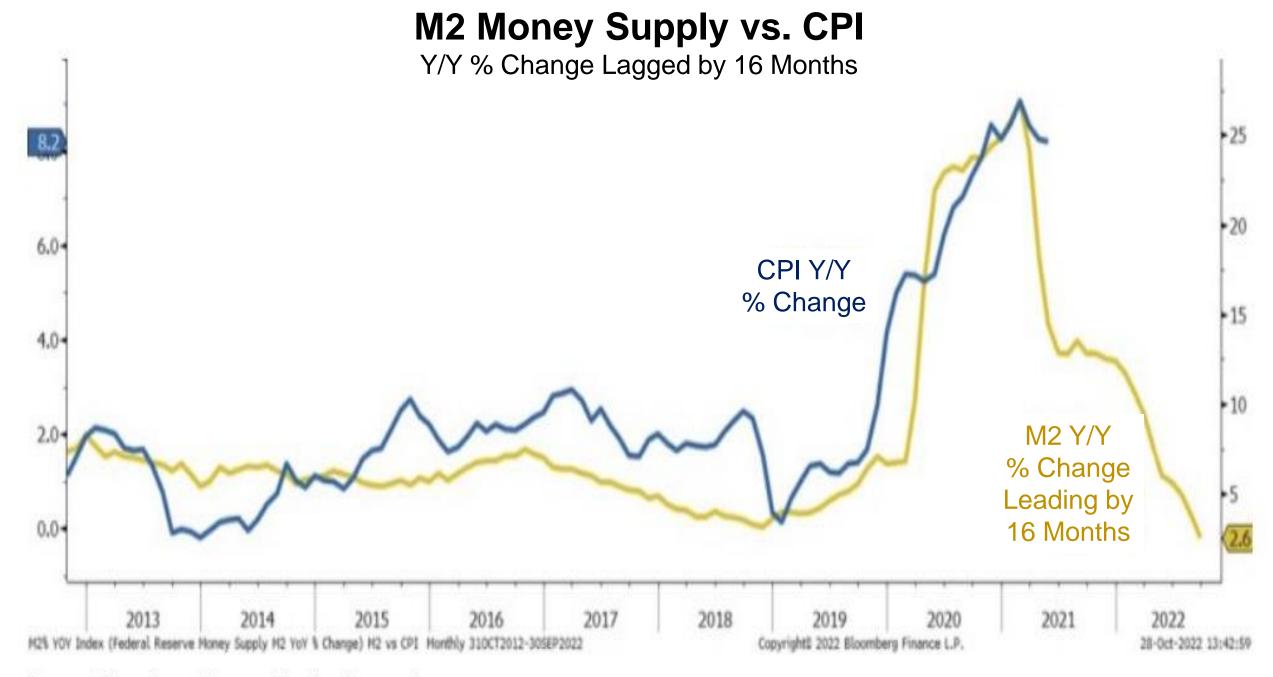
BofA Says We are in "Recovery" Phase



Source: BofA US Equity & US Quant Strategy

S&P 500 Rolling Forward Earnings Estimates





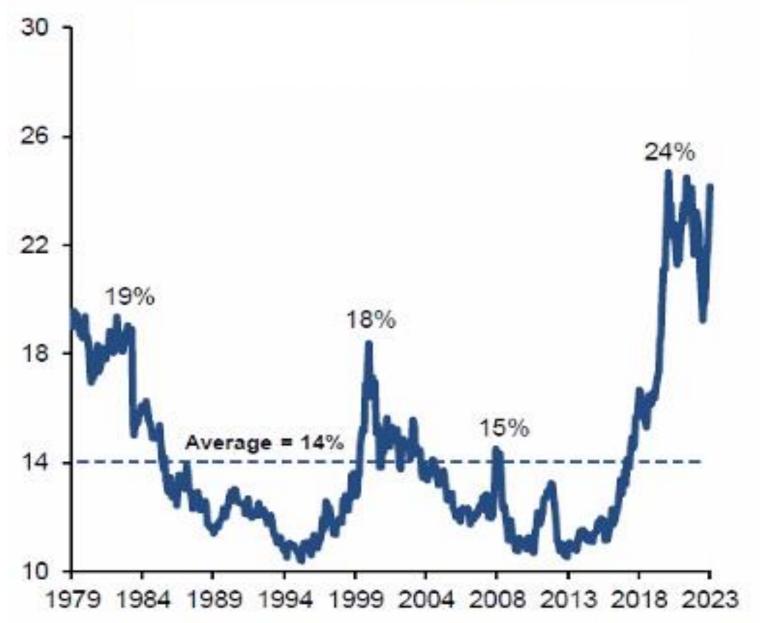
Source: Bloomberg, Morgan Stanley Research

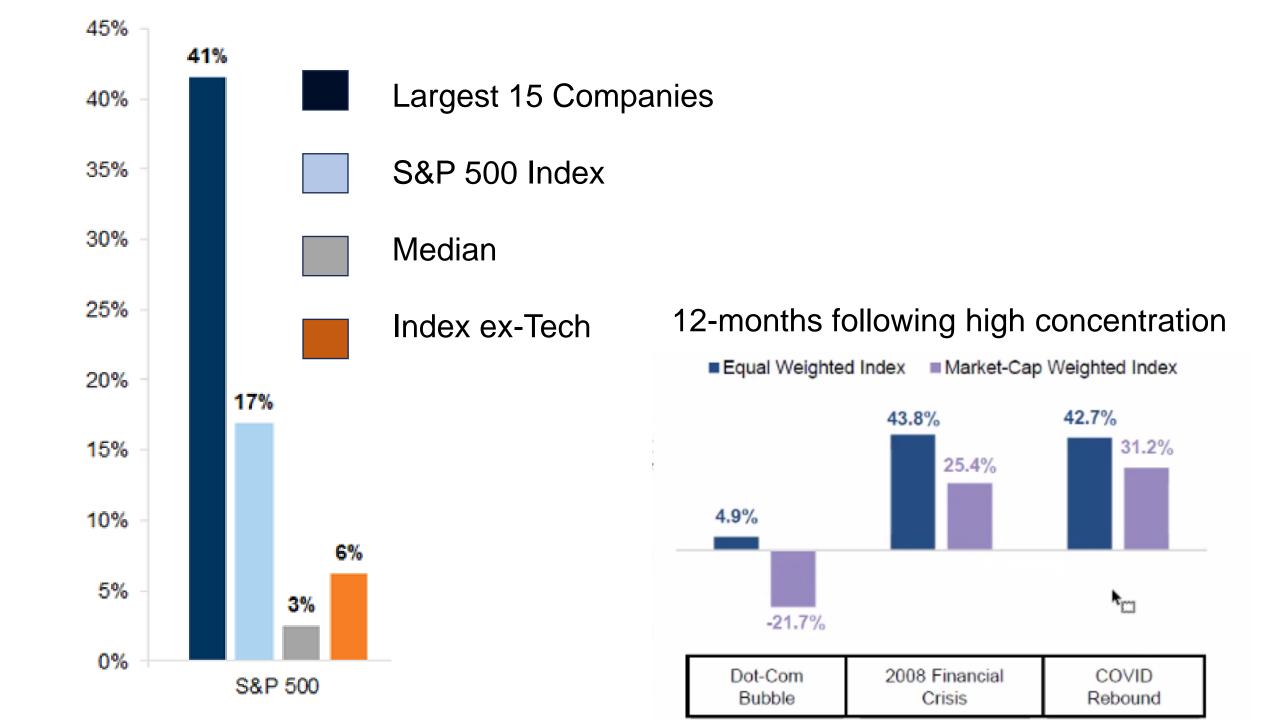
Investment Thoughts

- 1. The S&P 500 Index is an active, rebalanced momentum portfolio. It is used universally as "the benchmark" so it must be owned. Any decision to move away from the S&P 500 involves elevated risk in institutional investing.
- 2. Risk is measured by volatility. Over time, up and down volatility cancels out and you are left with the trend. Would you have been happy with S&P 500 returns for the past several decades?
- 3. Our problem is time. Because our time is limited, we cannot rely on time to resolve our downside risk potential. If you have time, get long.
- 4. In bullish periods, the S&P 500 delivers double digit annual returns. In bearish periods, average annual returns zero to low-single digit. The blend of bullish and bearish returns over the past 100 years is where the 7-8% average annual return comes from. Bearish periods may last for at least a decade.

Biggest Worry/Opportunity – Concentration At High

Market Cap of 5 Largest Companies as Share of S&P 500 Total





Fixed Income

The 5-year forward average annual return of the Barclays Agg bond index has a 94% correlation with the starting yield to maturity. PIMCO

- PIMCO Short Maturity ETF (MINT): 6% yield-to-maturity, 0.1 year duration, multi-asset, investment grade.
- PIMCO Multi-Sector Bond ETF (PYLD): 7% yield-to-maturity, 5-year duration, multi-asset, some high-yield exposure.
- Pioneer Securitized Income (SYFFX): 9% yield-to-maturity

Don't Let Cash Be Idle

1-3 month U.S. treasury ETF (BIL)

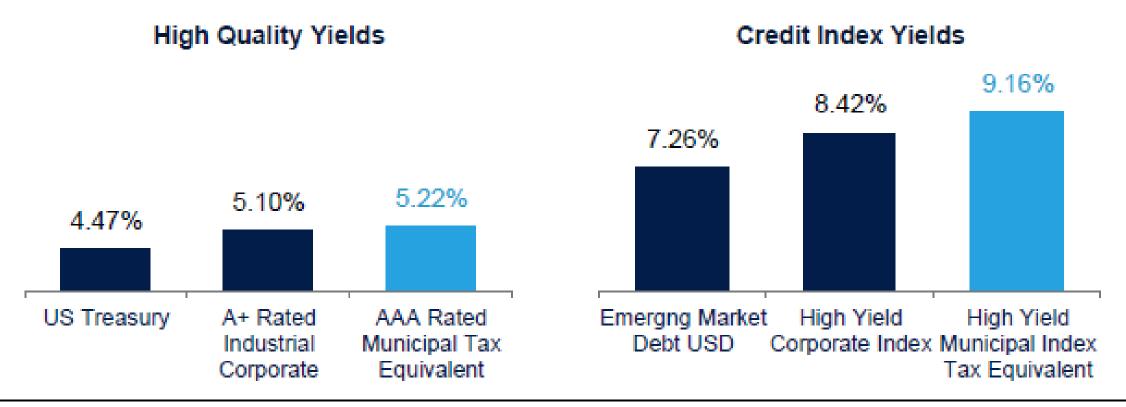
- Yield 5.3%
- Short duration, almost no interest rate risk
- U.S. treasury, no credit risk
- Flight to safety asset
- Best used in an IRA account
- Expense ratio 0.135% versus 0.34% for Schwab Money Market funds

Taxable Accounts

High-yield Municipal Debt Fund (e.g., GHYIX, HIMYX)

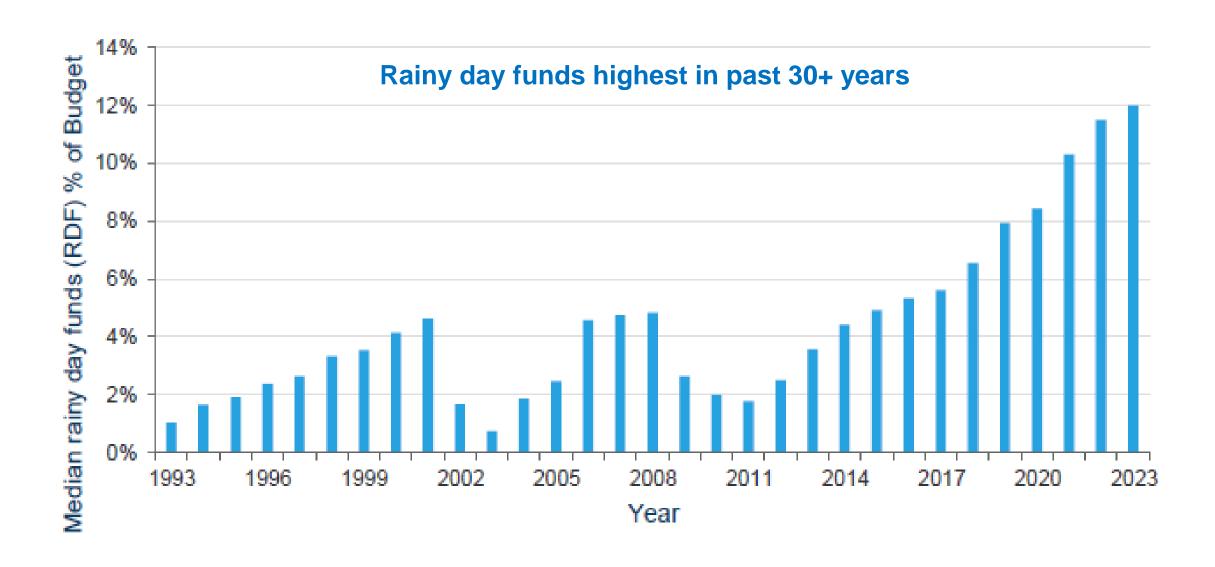
- Federal tax free
- After tax equivalent yield roughly 9%
- Low correlation to equity markets
- Trading near all-time lows
- Benefit from interest rate stabilization and decline

Taxable Accounts – Munis Score Well



Source: Bloomberg 8/10/2023, Treasury, US Corporate Industrials A Rated, and US Municipal AAA Rated BVAL 15 year points. Tax adjusted at 37%. Chart 2: Bloomberg Emerging Market Hard Currency Index USD, Bloomberg High Yield Corporate Index, Bloomberg High Yield Municipal Index. Indices are unmanaged and their returns assume reinvestment of dividends and do not reflect any fees or expenses. It is not possible to invest directly in an index. See last page for further information about indices shown.

Taxable Accounts – Munis



Taxable Accounts

Enterprise Product Resources MLP (EPD)

- 7.5% dividend payout
- Tax free until principal returned
- Roughly 3% average annual dividend increase
- Favorable oil/gas production outlook near term (Russia/Ukraine, long-tail to consumption, supply restrictions in U.S. from EV transition, no new investment in the industry – return of cash flow to shareholders)

Yield and Growth

Buy-write Equity

- BUYW Tactical ETF Portfolio with 6% yield
- JEPI quality, value portfolio with 7.4% yield
- SPYI S&P 500 with 11% yield
- JEPQ NASDAQ 100 with 11% yield

YTD Results as of 9/6/2023

- DIA: 5.42% -- Dow Jones Industrial Average
- RSP: 5.88% -- Equal Weight S&P 500 TR
- SPY: 17.57% -- S&P 500 TR
- BUYW: 10.64%
- JEPI: 6.88%
- SPYI: 15.58%
- JEPQ: 27.54%

Hedged Equity

Example: JPMorgan Hedged Equity (JHEQX)

Total Return %	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD
Investment	_	9.62	-1.43	9.58	12.70	-0.71	13.31	14.10	13.43	-8.06	14.49

Total Return %	1-Day	1-Week	1-Month	3-Month	YTD	1-Year	3-Year	5-Year
Investment	-0.53	-0.67	0.25	2.84	14.49	13.47	8.04	8.03
Category	-0.38	-0.56	0.05	2.63	12.15	12.06	5.30	4.57
Index	-0.26	-0.95	-1.21	0.02	4.52	4.76	0.65	3.52
Quartile Rank								
Percentile Rank	83	63	52	56	22	40	19	4

Defined Outcome ETFs

Example: Innovator Equity Power Buffer ETF (PSEP)

Fund Price ①	Fund Return ①	SPY Return ①	Remaining Cap ①	Remaining Buffer ①	_	Remaining Outcome Period		
\$33.05	-0.70%	-1.34%	15.77% / 14.87%	14.54% / 13.76%	0.00% / -0.09%	359 days		
OUTC	OME PER	IOD VAL	UES (CURRENT/NET) ⁽ⁱ⁾	á	AS OF 8/31/2023		
Fund Price ①	Fund Return ①	SPY Return ①	Cap ①	Buffer ①	Downside Before Buffer	Outcome Period		
\$33.28	0.00%	0.00%	14.97% / 14.17%	15.00% / 14.21%	0.00% / -0.79%	366 days		

CURRENT OUTCOME PERIOD VALUES (CURRENT/NET)

AS OF 9/7/2023 3:24 PM

Defined Outcome ETFs

Example: Innovator Equity Power Buffer ETF (USEP)

CURRE	NT OUT	COME PE	AS OF 9/7/2023 3:27 PM				
	Fund Return ① -0.74%		Remaining Cap (i) 15.46% / 14.57%	Remaining Buffer © 29.88% / 29.10%	Downside Before Buffer ① -4.31% / -5.09%	Remaining Outcome Period @ 359 days	
OUTCOME PERIOD VALUES (CURRENT/NET) (0) AS OF 8/31/2023							
Fund Price ①	Fund Return ①	SPY Return ①	Cap (i)	Buffer	Downside Before Buffer ①	Outcome Period ①	

14.63% / 13.83% 30.00% / 29.21% -5.00% / -5.79% 366 days

0.00%

\$30.07

0.00%

Defined Outcome ETFs

Example: Innovator Equity Managed Floor ETF (SFLR) Seeks to limit maximum losses to 10% on rolling 12-month Basis.

ETF PERFORMANCE & BENCHMARK HISTORY (%)

Quarterly | Monthly

	YTD	1 Year	3 Year	5 Year	Inception
ETF NAV	18.55%	-	_	-	18.78%
ETF Closing Price	18.59%	-	_	-	18.78%
S&P 500 Index	19.52%	-	_	_	19.88%

Data as of 7/31/2023. The Fund incepted on 11/8/2022. Performance quoted represents past performance, which is no guarantee of future results. Investment returns and principal value will fluctuate, so you may have a gain or loss when shares are sold. Current performance may be higher or lower than that quoted. Returns less than one year are cumulative. One cannot invest directly in an index.

Hedged/Defined Outcome Portfolio Example							
Tax-efficient							
Ticker	Weight	Description					
SFLR	40%	Maximum loss 10% on a rolling 12-month basis, US Large Cap Equities					
BUFF	25%	Laddered 12 months of 15% buffered ETFs equal weight, S&P 500					
JHEQX	25%	JPMorgan hedged equities, US Large Cap Equities					
BSTP	10%	Opportunistically-managed buffer strategy, S&P 500					

	9.13.23	9.13.23				
	YTD	YTD	3Yr	3Yr	5Yr	5Yr
	S&P 500	Hedged	S&P 500	Hedged	S&P 500	Hedged
Annualized Return	17.6%	14.8%	10.5%	8.5%	11.1%	8.5%
Volatility	17.7%	8.8%	18.2%	9.4%	21.8%	11.1%
Sharpe Ratio	0.54	0.65	0.49	0.73	0.43	0.6
Beta	1	0.5	1	0.5	1	0.5
Max Drawdown	-5.6%	-2.7%	-24.5%	14.4%	-33.8%	-19.5%