



Do the odds favor VALUE . . . now?

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"In the end, all business operations can be reduced to three words: people, product, and profits. Unless you've got a good team, you can't do much with the other two"

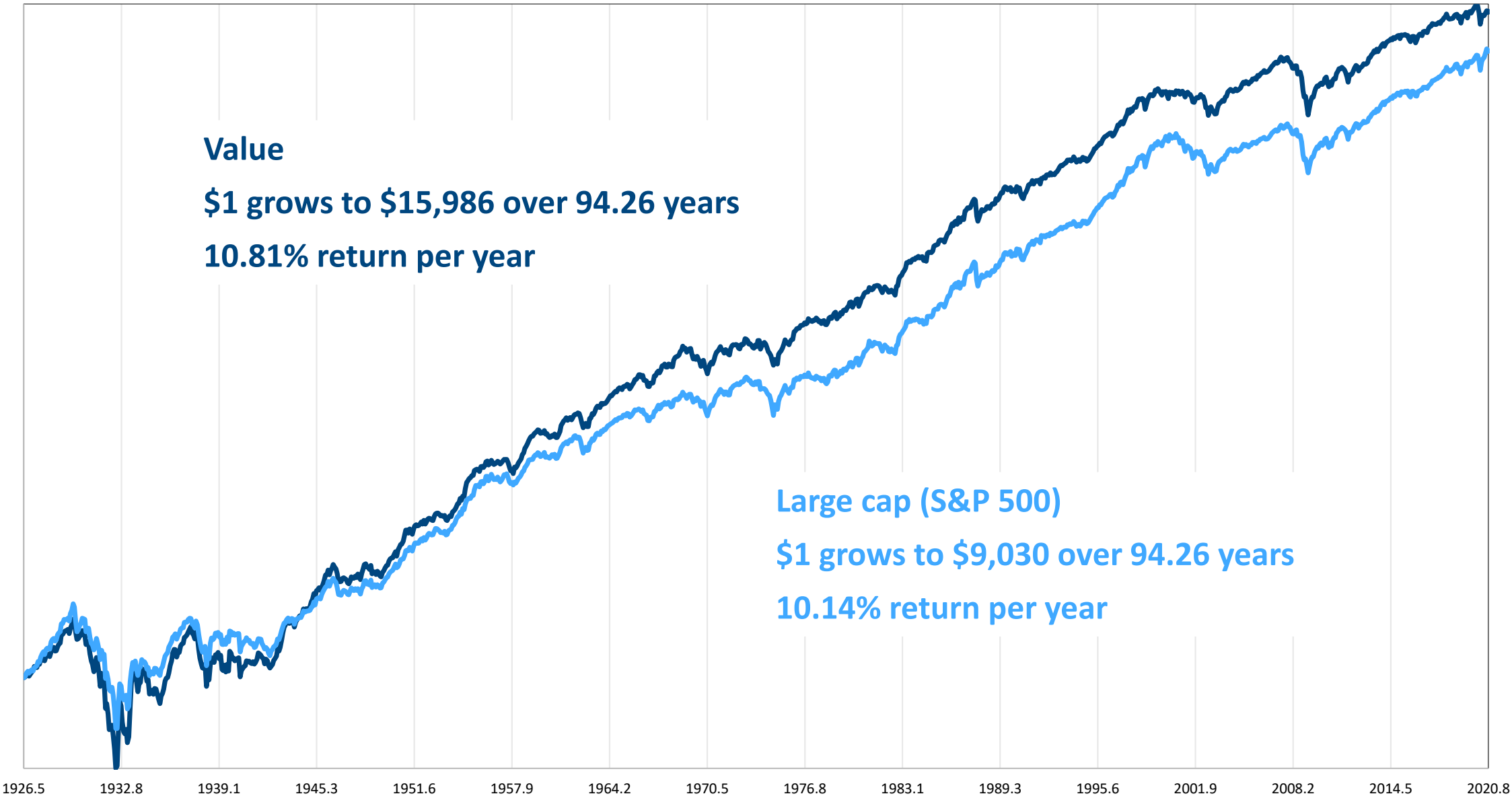
Lee Iacocca

- Conventional wisdom prescribes a permanent fixed tilt towards value
- This conclusion is based on the following assumptions about the value risk premium
 - Sufficient size
 - Sufficient consistency
 - Some diversification benefit
- Convention wisdom is wrong
- It lacks even the slightest degree of consistency . . . and instead is painfully episodic

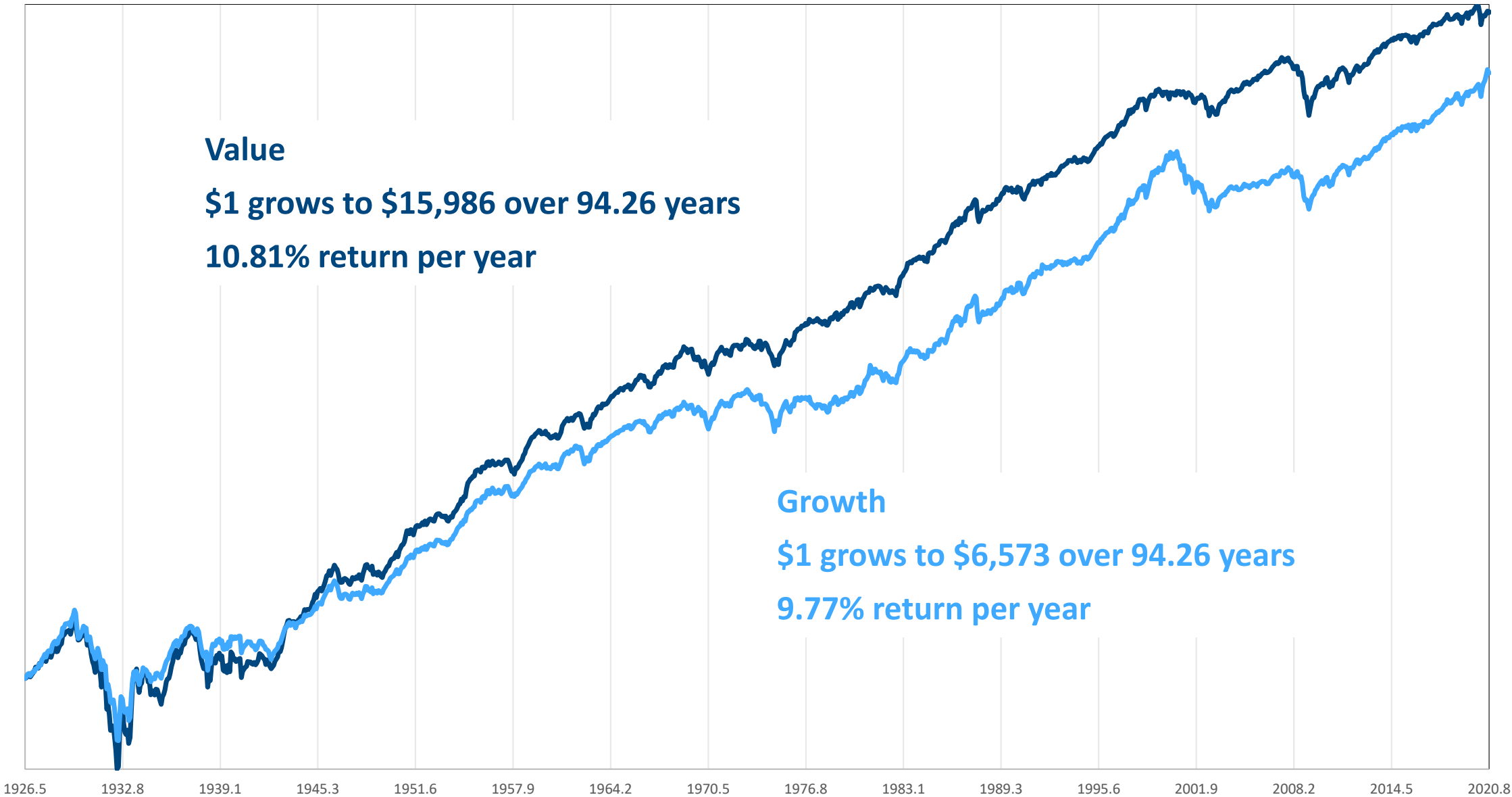
Sufficient size

YES

Value premium of 0.67% per year over the last 94.26 years



Value premium of 1.04% per year over the last 94.26 years

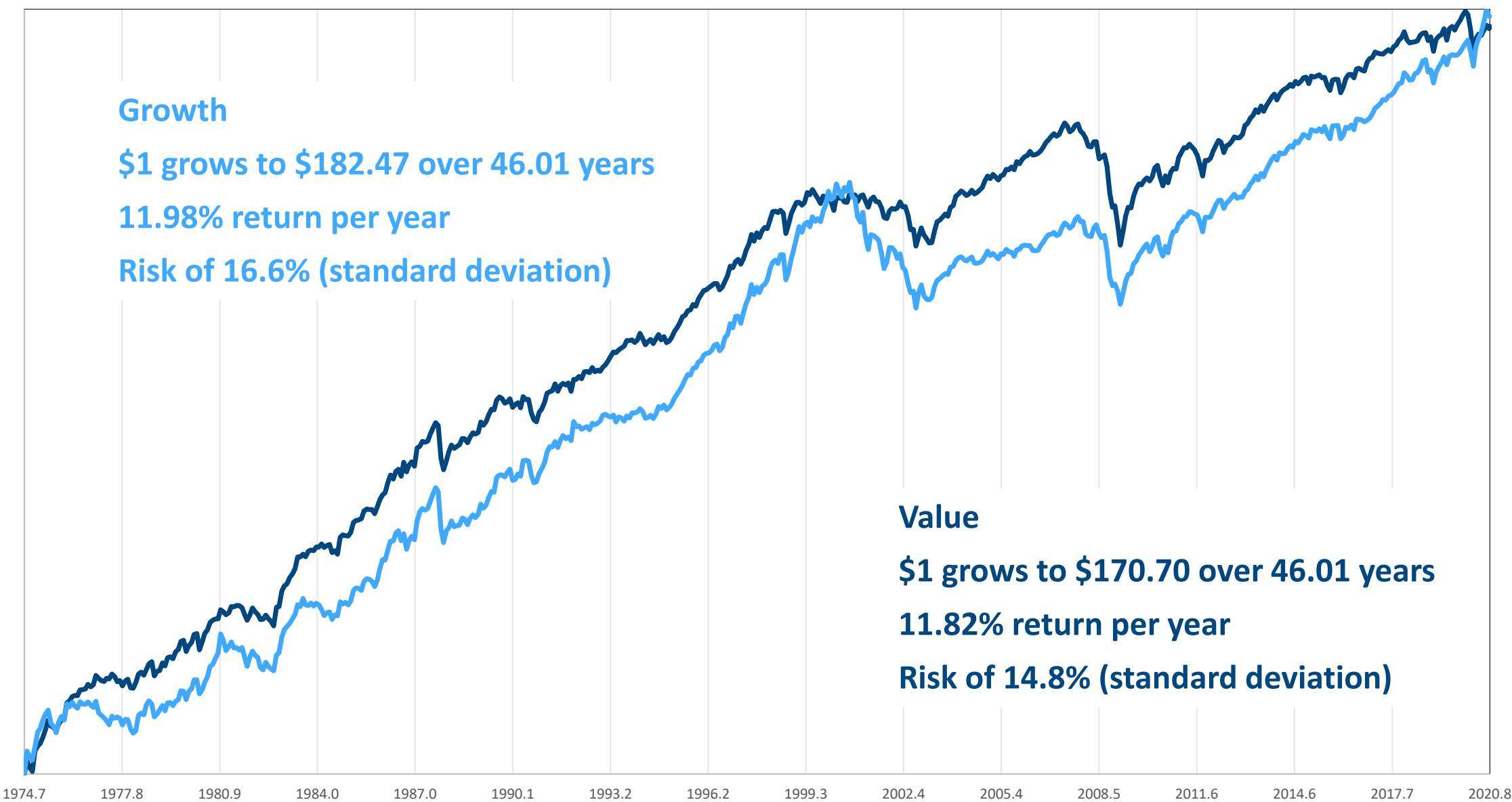


Sufficient consistency

NO

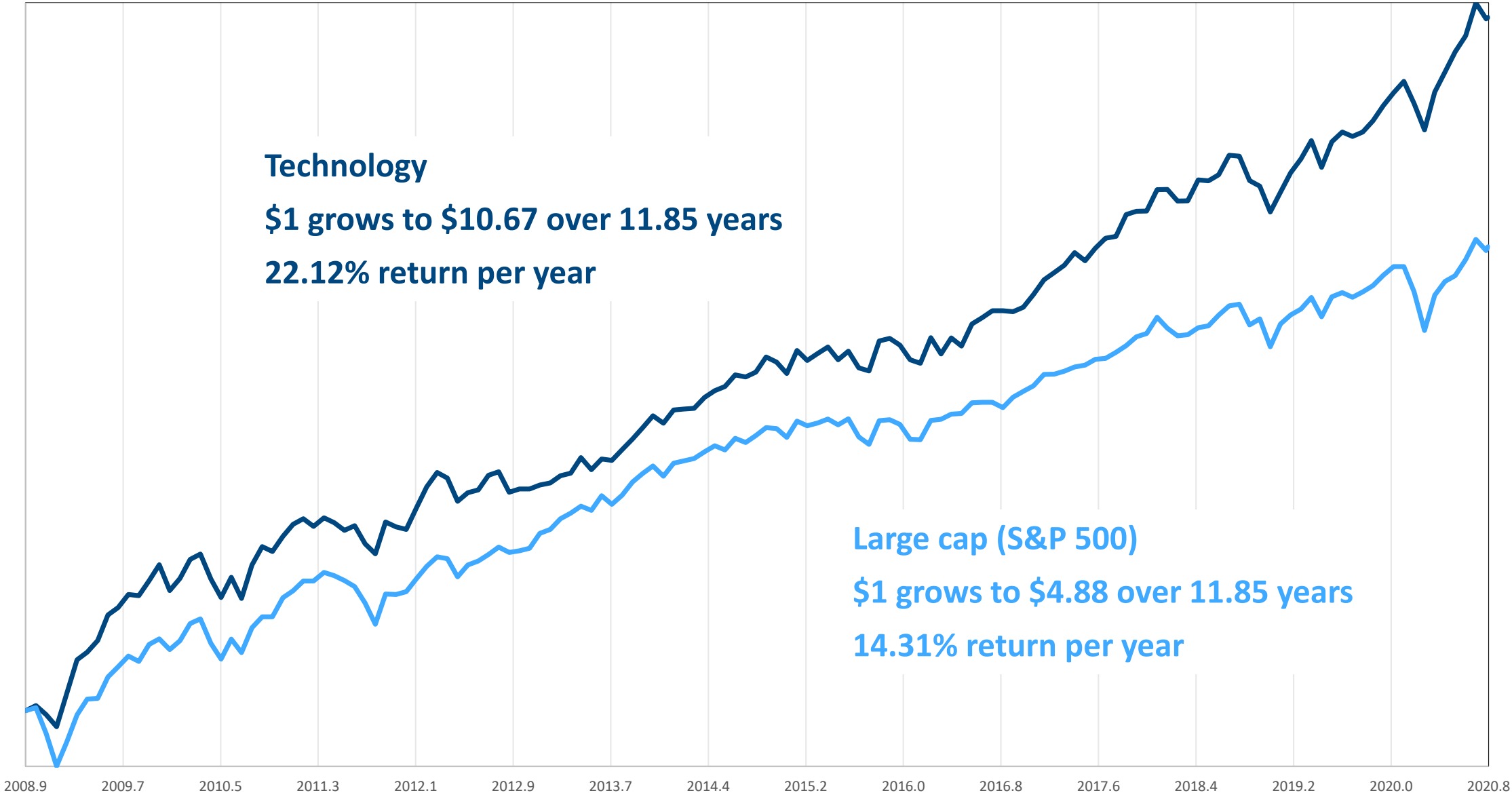
Conventional wisdom closed its eyes to the last 46+ years

Value premium of -0.16% per year over the last 46.01 years



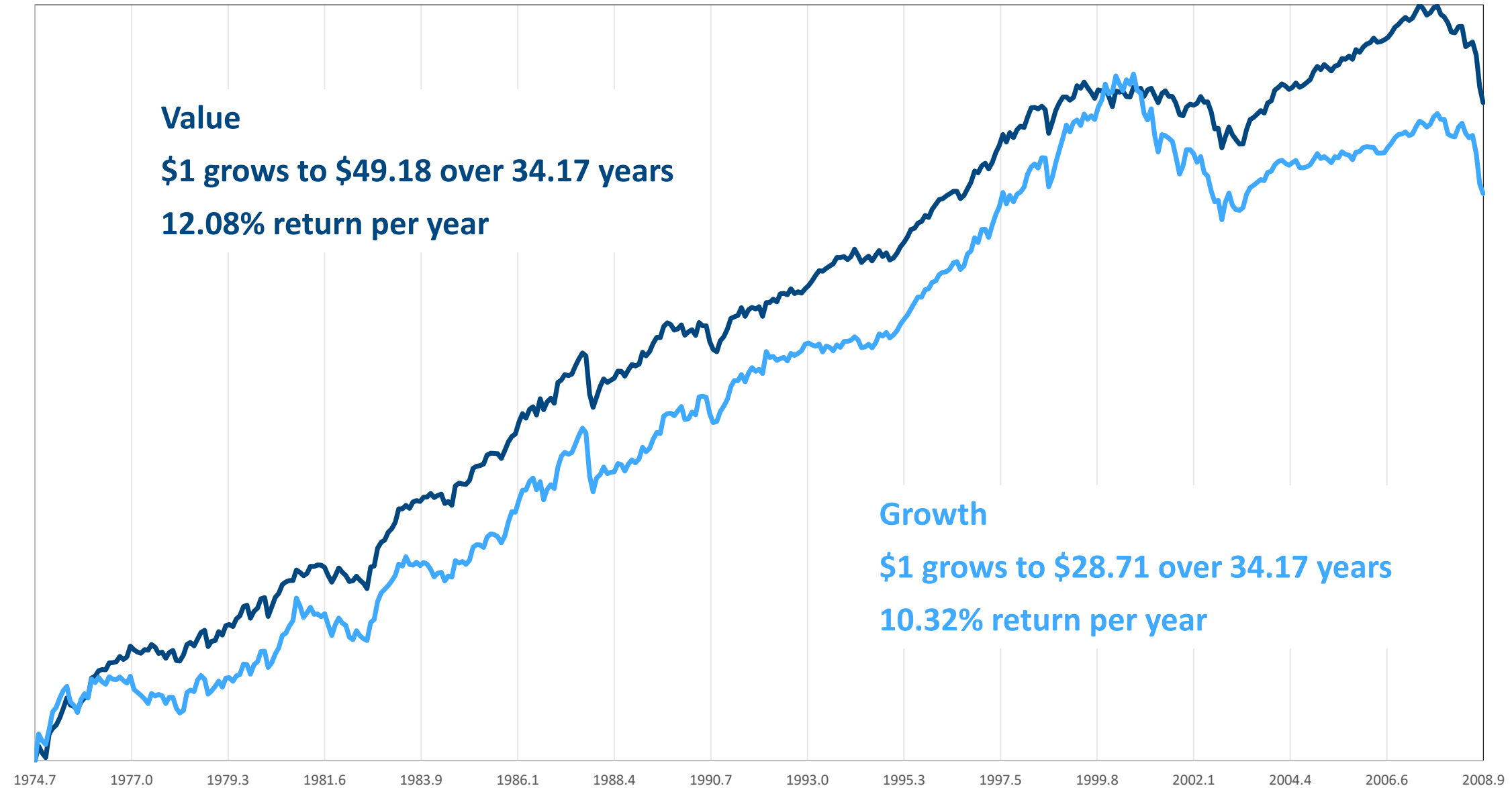
Is recent value disappoint just due to the recent 12-year tech rally

History making technology rally began Nov 30, 2008



MAYBE - but to assume so, probably misleads

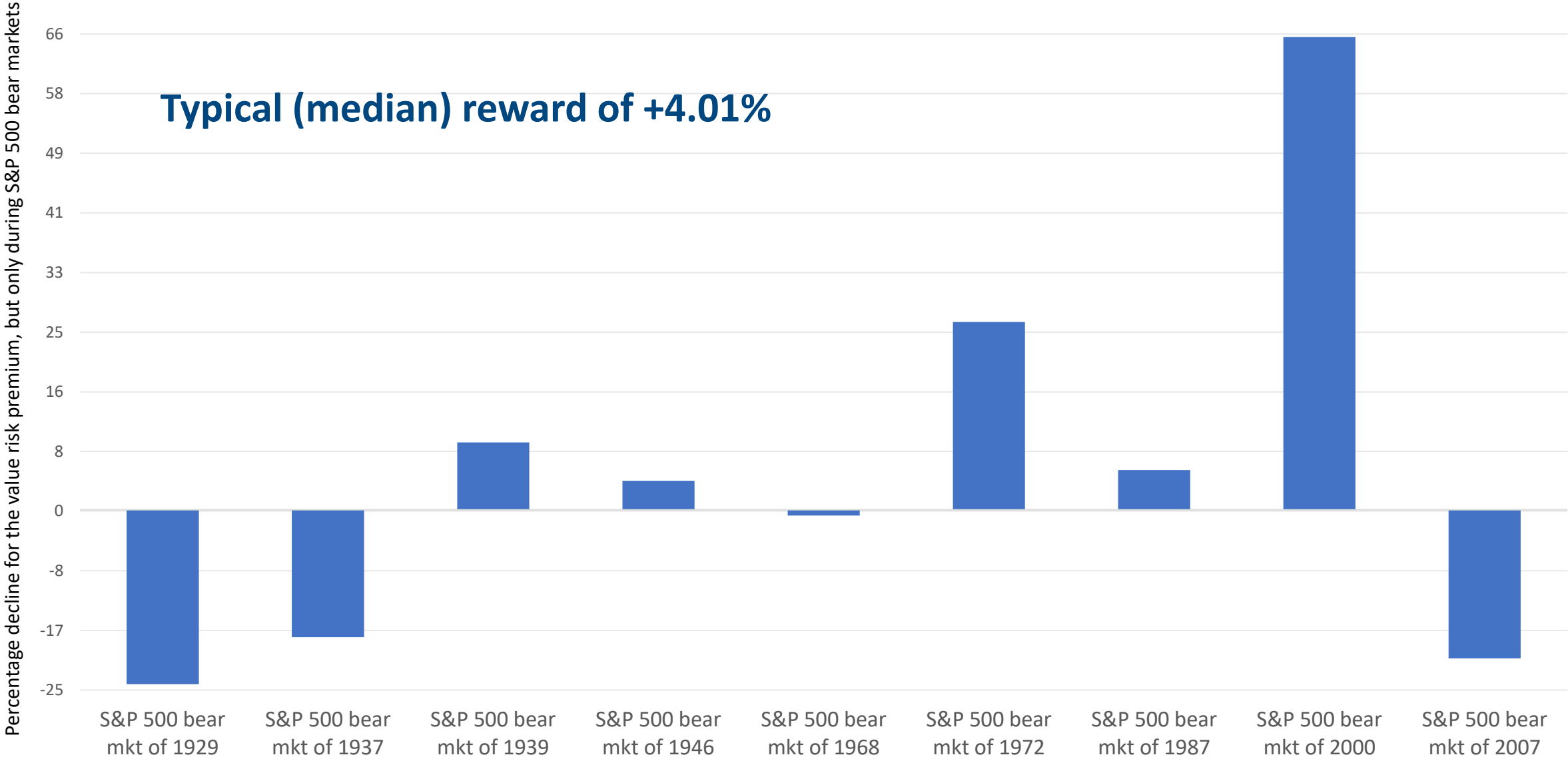
After removing the 11.85-year tech rally, value's premium returned to 1.75%



Some diversification benefit

NO, remarkably inconsistent

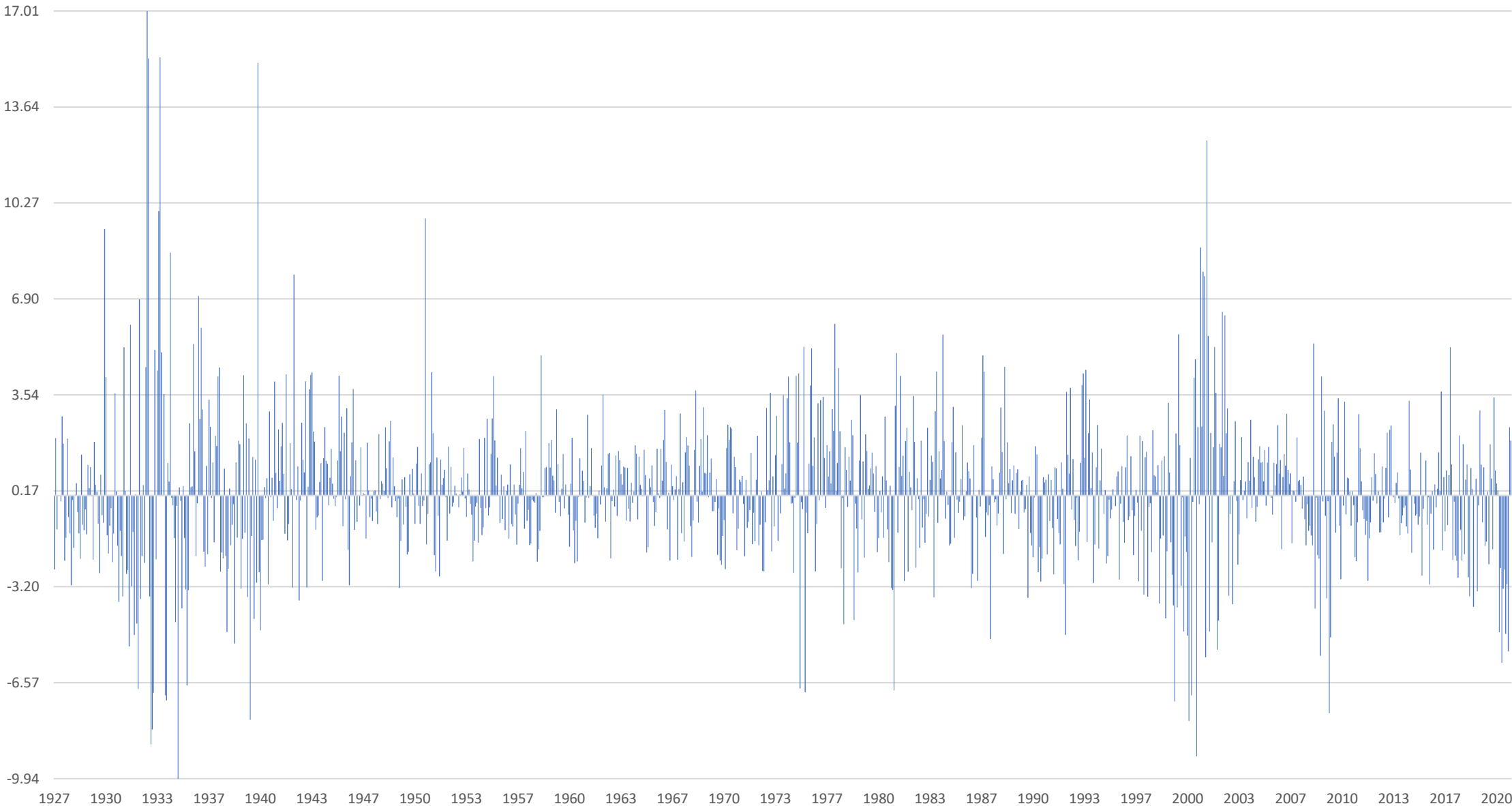
Value risk premium is random (noisy) during S&P 500 bear markets



How consistent is the value risk premium?

Is it episodic?

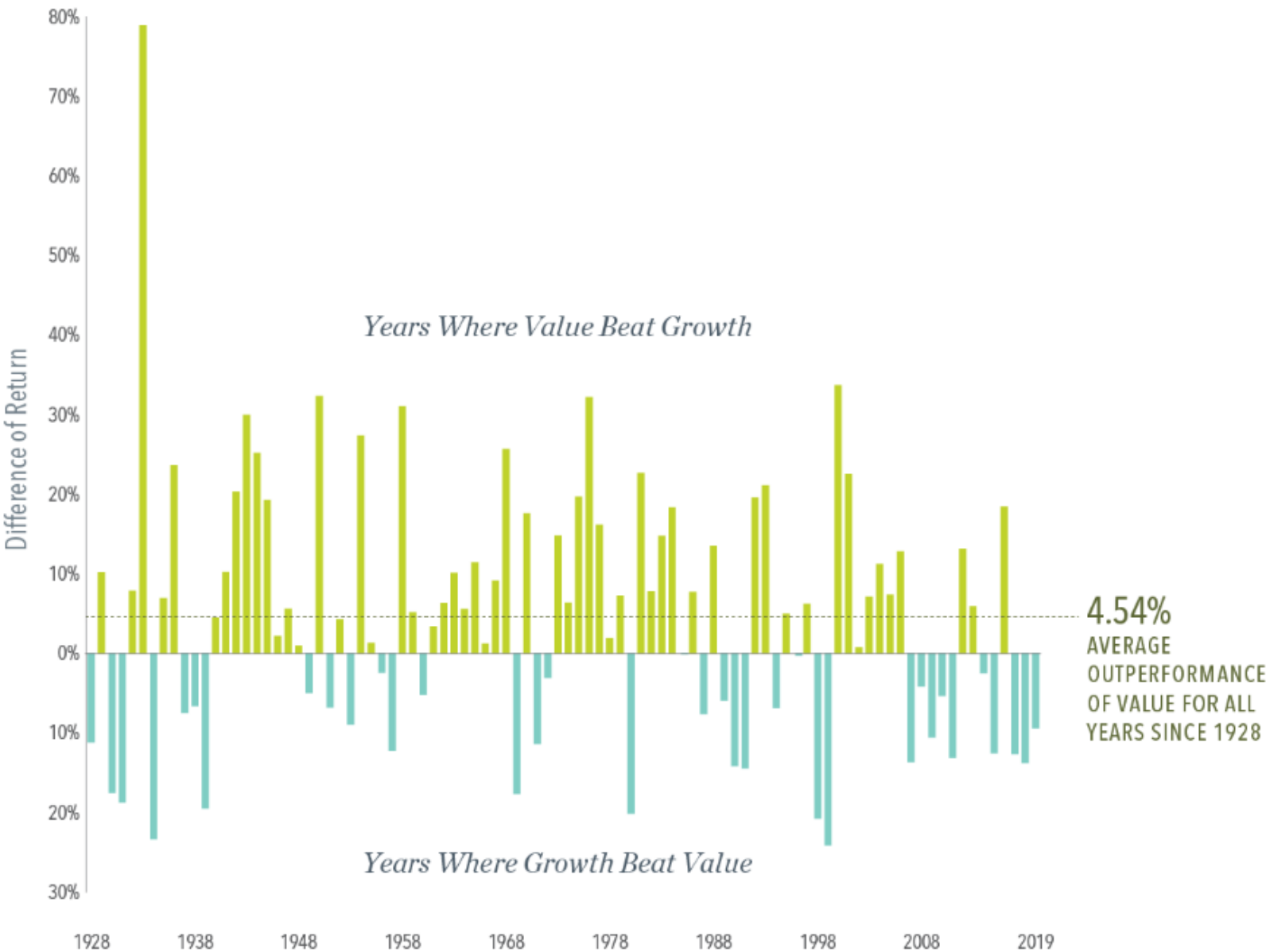
Monthly value risk premium has varied significantly over time



Games played with the data - be careful what you believe

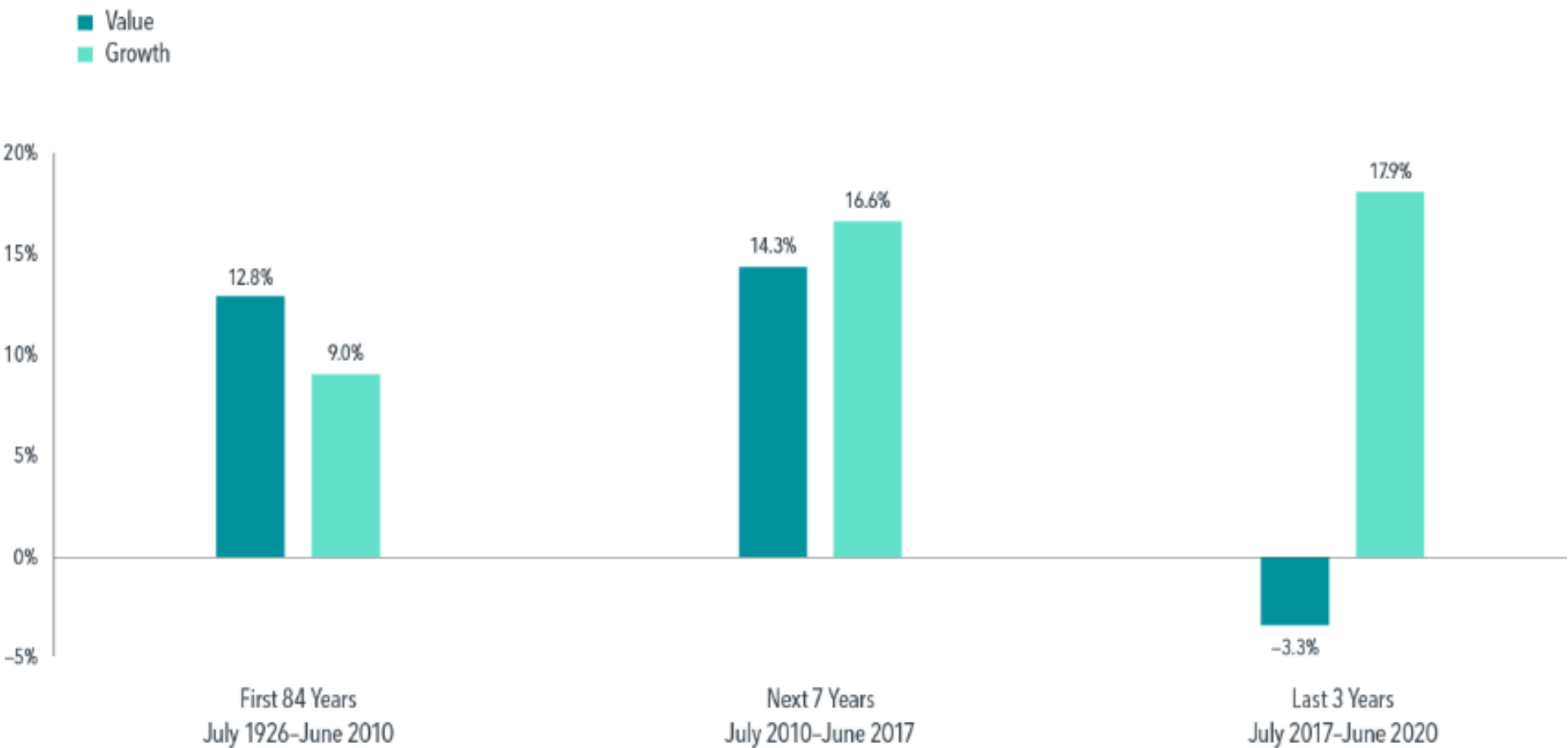
Value Add

Yearly observations of premiums: value minus growth in US markets, 1928–2019



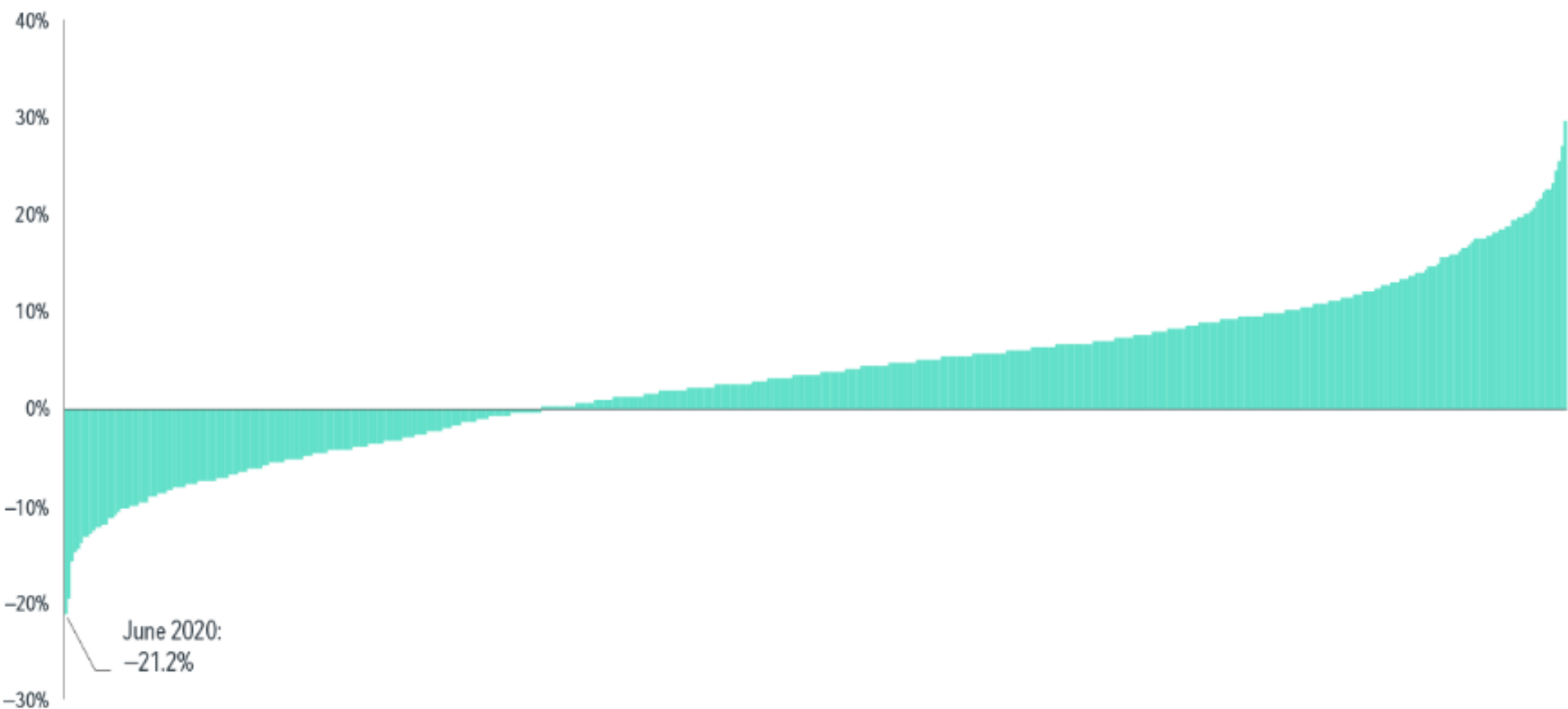
Growth Spurt

Annualized compound returns for value versus growth, US market



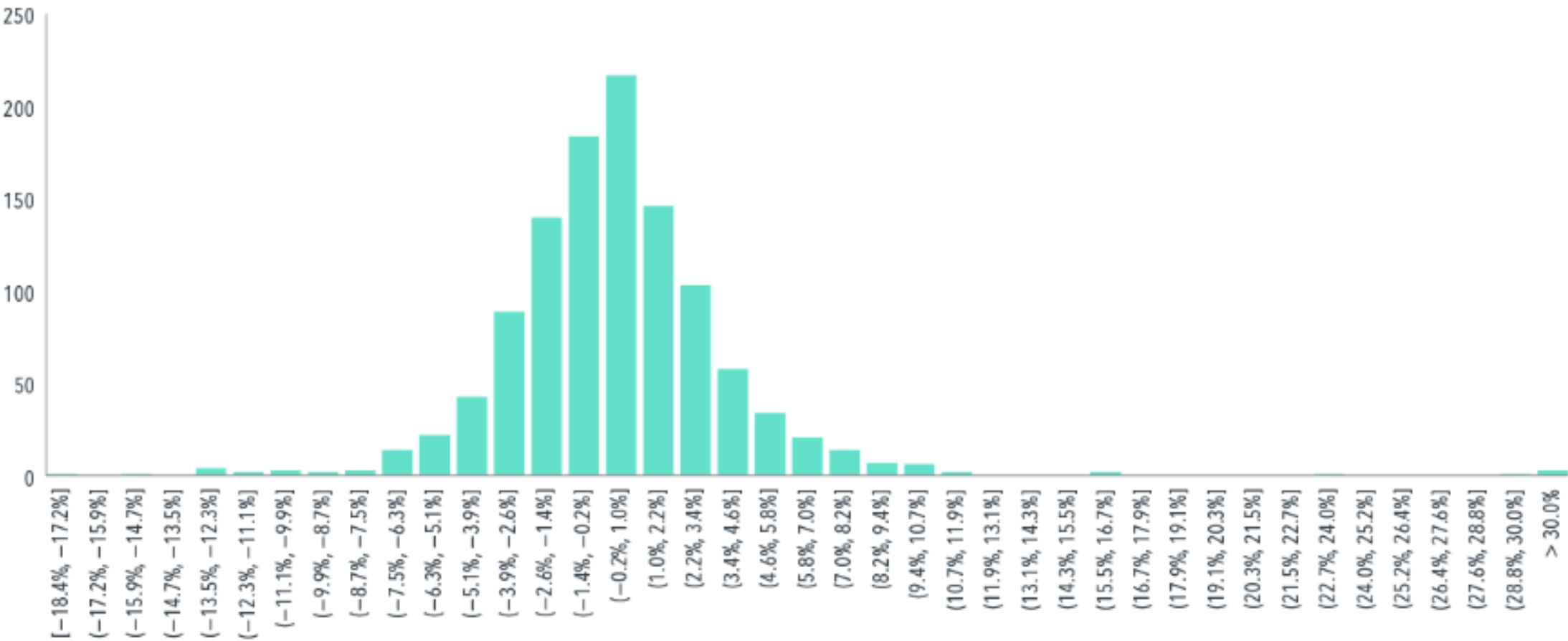
Back of the Pack

Rolling 3-year annualized return differences for value versus growth, US market, June 1929–June 2020



Monthly Statement

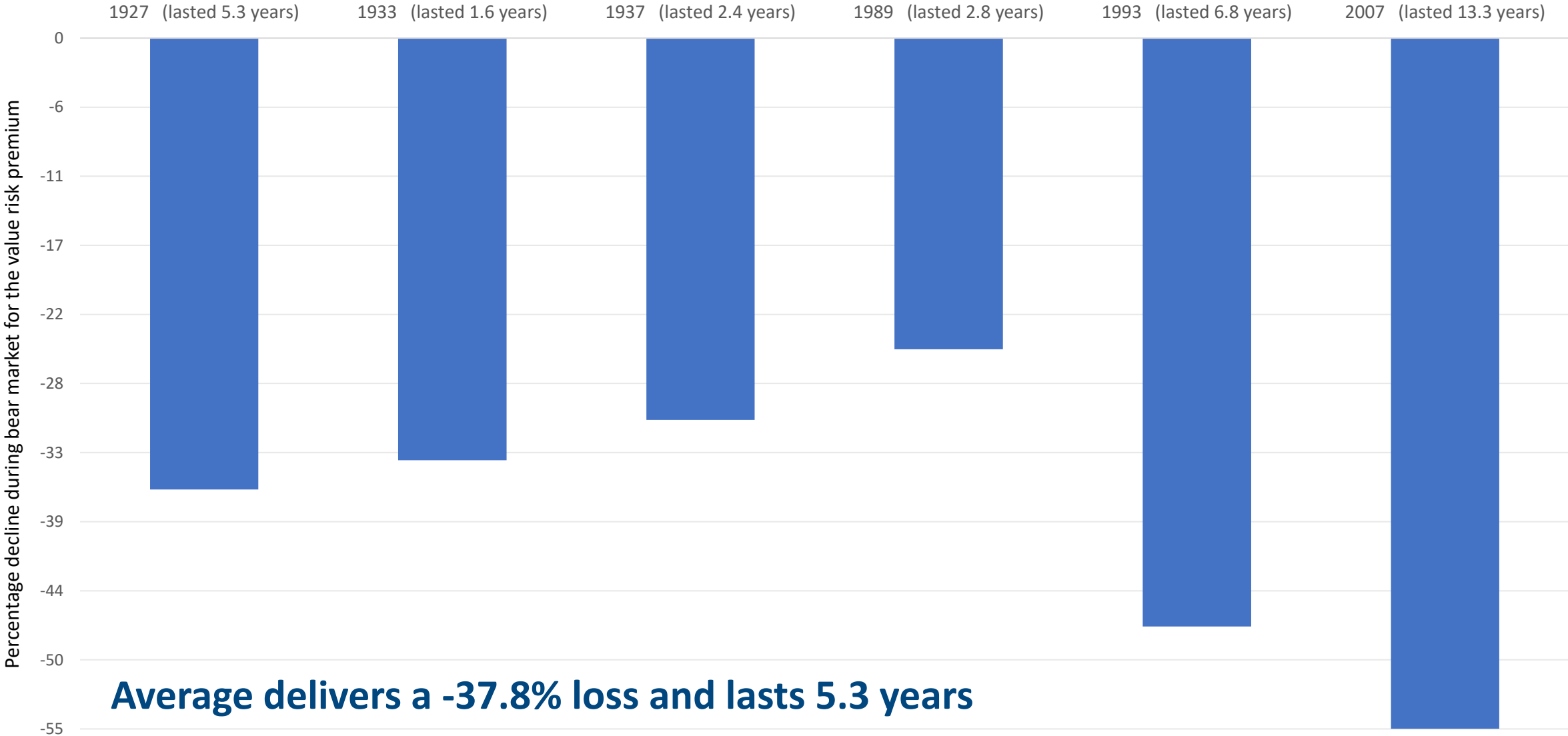
*Distribution of monthly return differences for value versus growth,
US market, July 31, 1926–June 30, 2020*



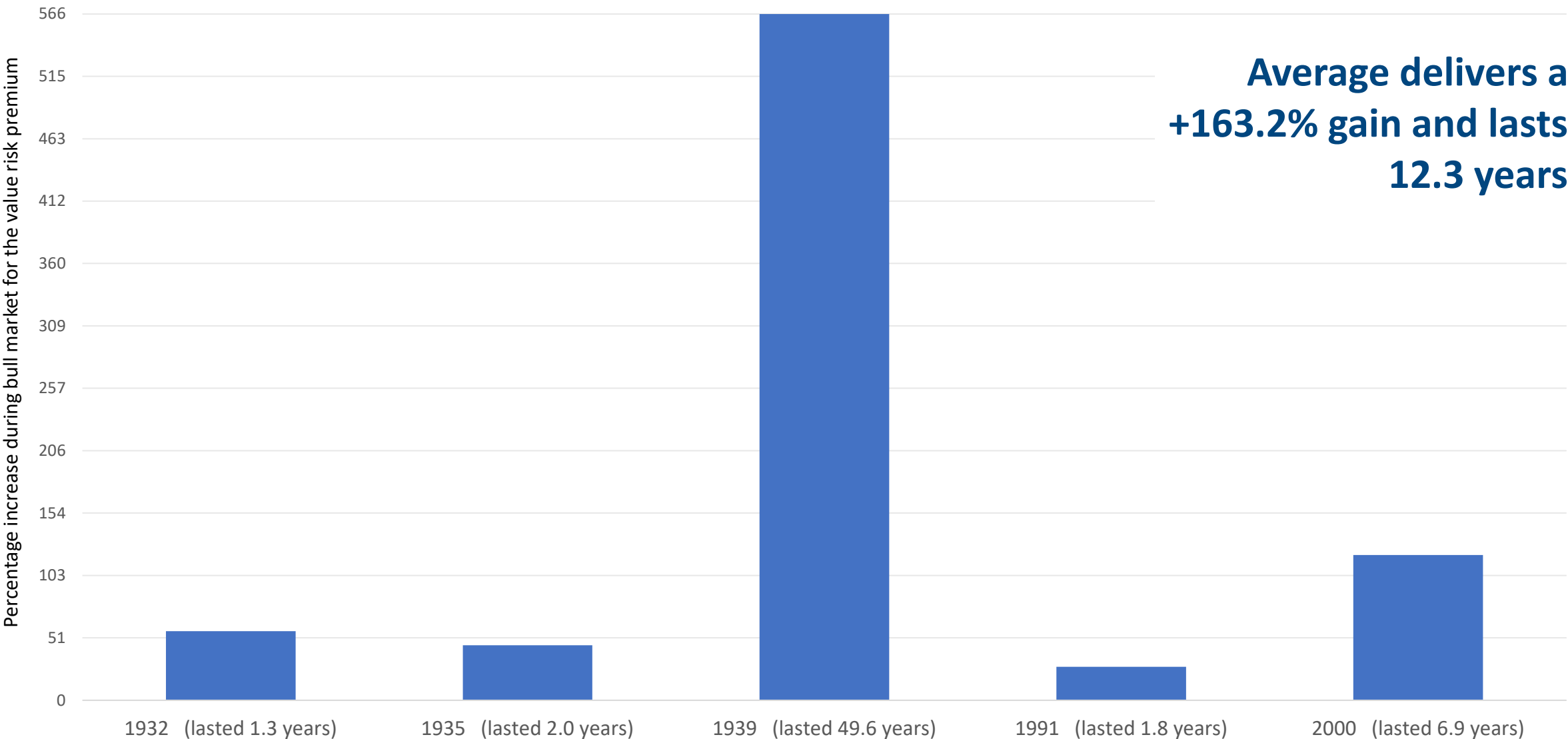
The real story

The value risk premium is remarkably episodic

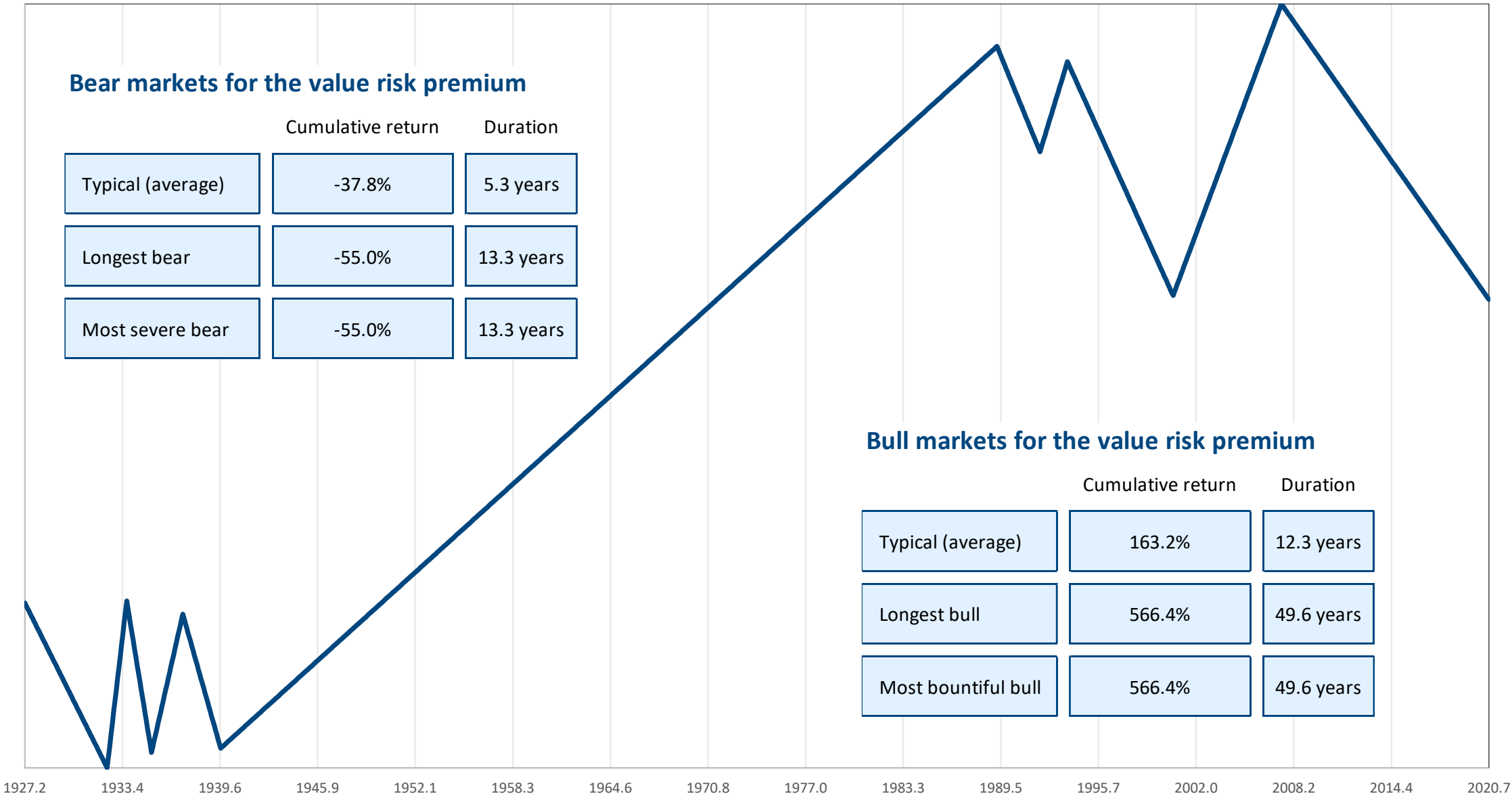
Bear markets for the value risk premium have been both severe and long-lasting



Bull markets for the value risk premium have been both bountiful and long-lasting



History of bear & bull markets for the value risk premium since 1926



Bear markets for the value risk premium

	Cumulative return	Duration
Typical (average)	-37.8%	5.3 years
Longest bear	-55.0%	13.3 years
Most severe bear	-55.0%	13.3 years

Bull markets for the value risk premium

	Cumulative return	Duration
Typical (average)	163.2%	12.3 years
Longest bull	566.4%	49.6 years
Most bountiful bull	566.4%	49.6 years

But, why now

Reason 1 - Ten largest companies

81% of the ten largest S&P 500 names are technology (by weight)

Apple

Tesla

Microsoft

Berkshire Hathaway

Amazon

JP Morgan

Alphabet

Johnson & Johnson

Facebook

Visa

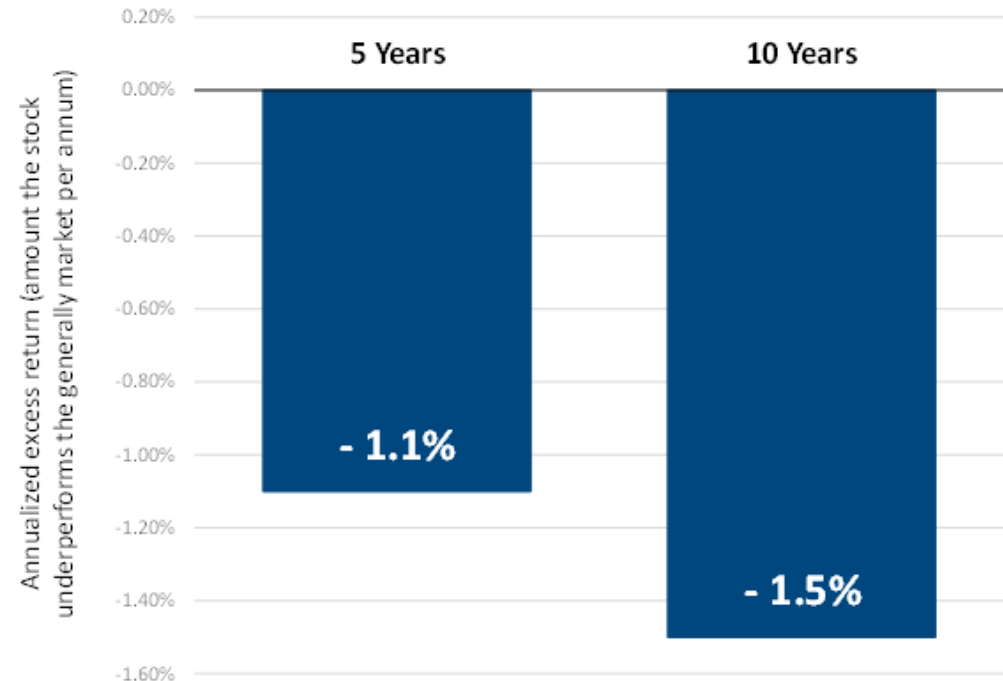
Excluding the largest companies on a global basis

Just leaving out the single largest company has historically added **+0.22%** per year⁷ over and above the relevant index fund. If instead, one excluded the ten largest companies, the resulting portfolio outperformed by **+0.46%** per year⁷. In contrast, if one excluded the single largest company in each country, the resulting portfolio outperformed the comparable index fund by **+0.35%** per year⁷.

Just here in the U.S.

In the U.S., once a company becomes one of the ten largest, its future performance underperforms by a wide margin⁸.

Periods after a company first became one of the ten largest stocks



But, why now

Reason 2 - Tech is in a bubble

"It Must End Badly" - Munger Says Market Resembles Dot Com Bubble, Calls SPACs "Shit"



BY TYLER DURDEN

WEDNESDAY, FEB 24, 2021 - 03:29 PM

Warren Buffett's "No. 2" spoke during the annual meeting of the Daily Journal Corporation, the Los Angeles newspaper-publishing company chaired by Munger. The 97-year-old Charlie Munger is best known for his work as Vice Chairman of Berkshire Hathaway, where he has served as Buffett's right hand man for decades. And like Buffett, Munger has a soft spot for newspapers and legacy media companies, and thus took time out of his (busy?) week to answer questions from Daily Journal shareholders in a meeting broadcast live online (watch recording below).

finance

Charlie Munger, Vice Chairman of Berk...

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DAILY JOURNAL ANNUAL MEETING

CHARLIE MUNGER

DAILY JOURNAL CHAIRMAN & BERKSHIRE HATHAWAY VICE CHAIRMAN

FEB 24 | 1-3PM ET

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Watch on

YouTube

Watch later

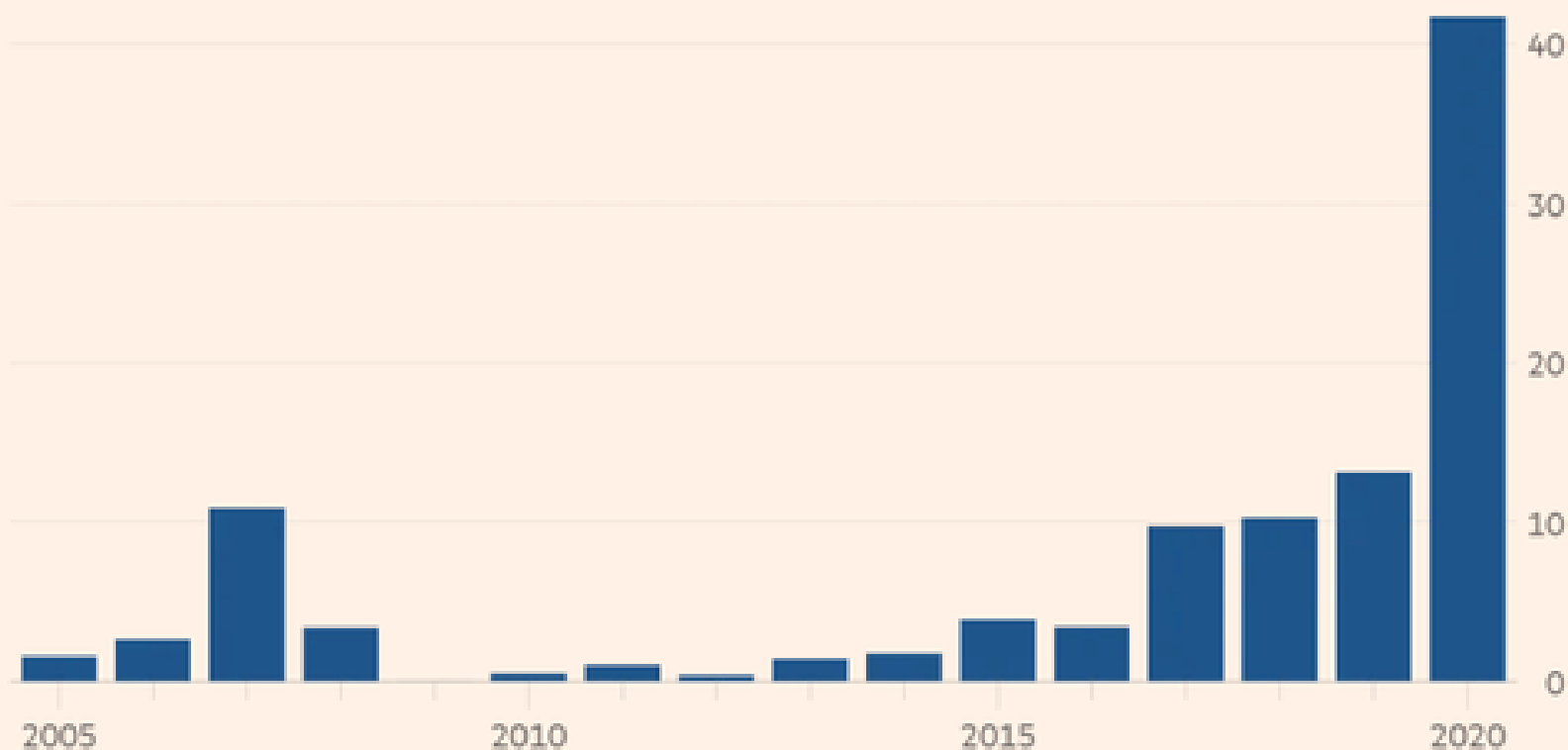
Share



SPACS started out red hot

US Spacs zoom to record in banner year

Proceeds raised in special purpose acquisition companies (\$bn)

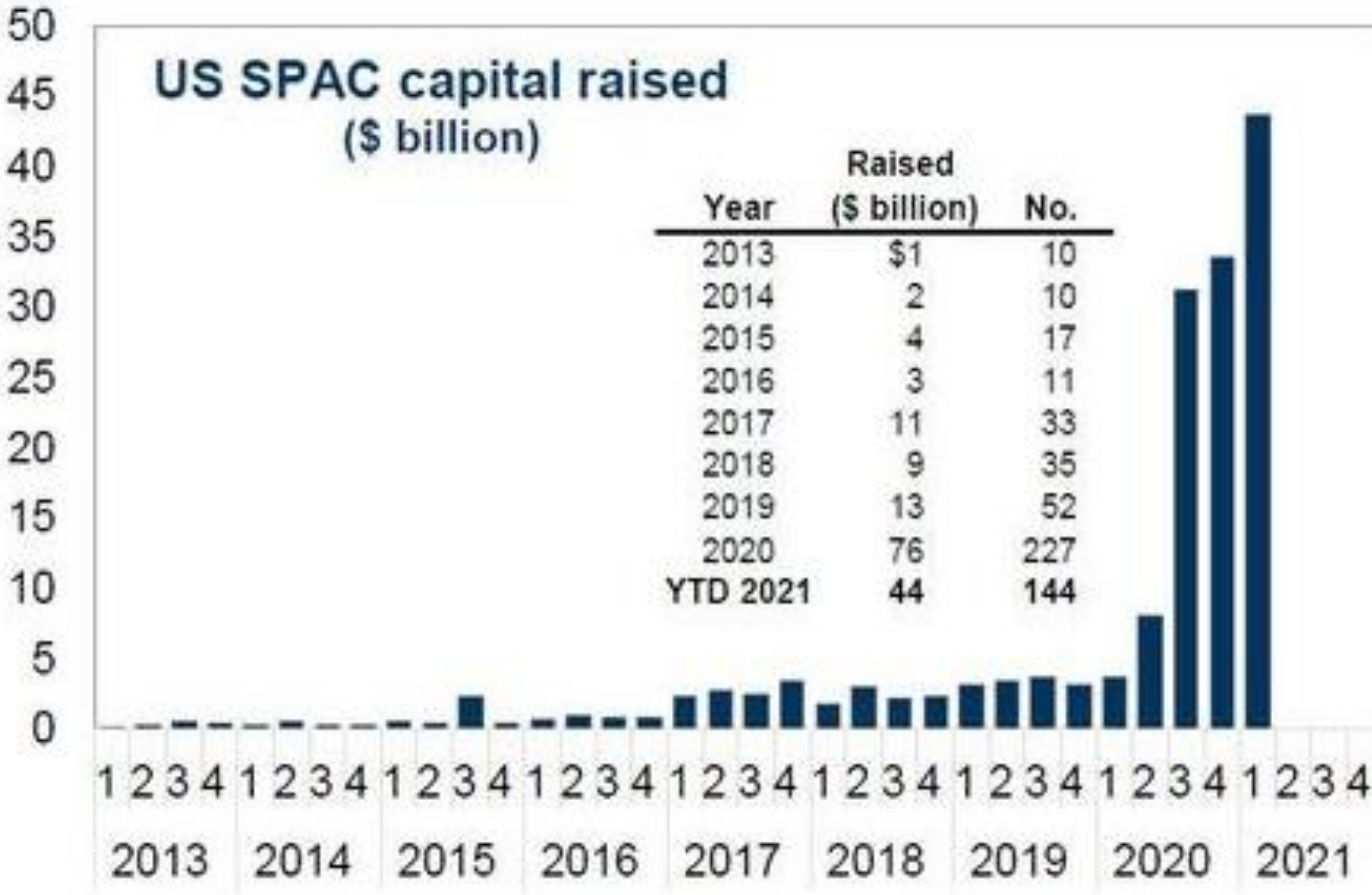


2020 data is year to September 30

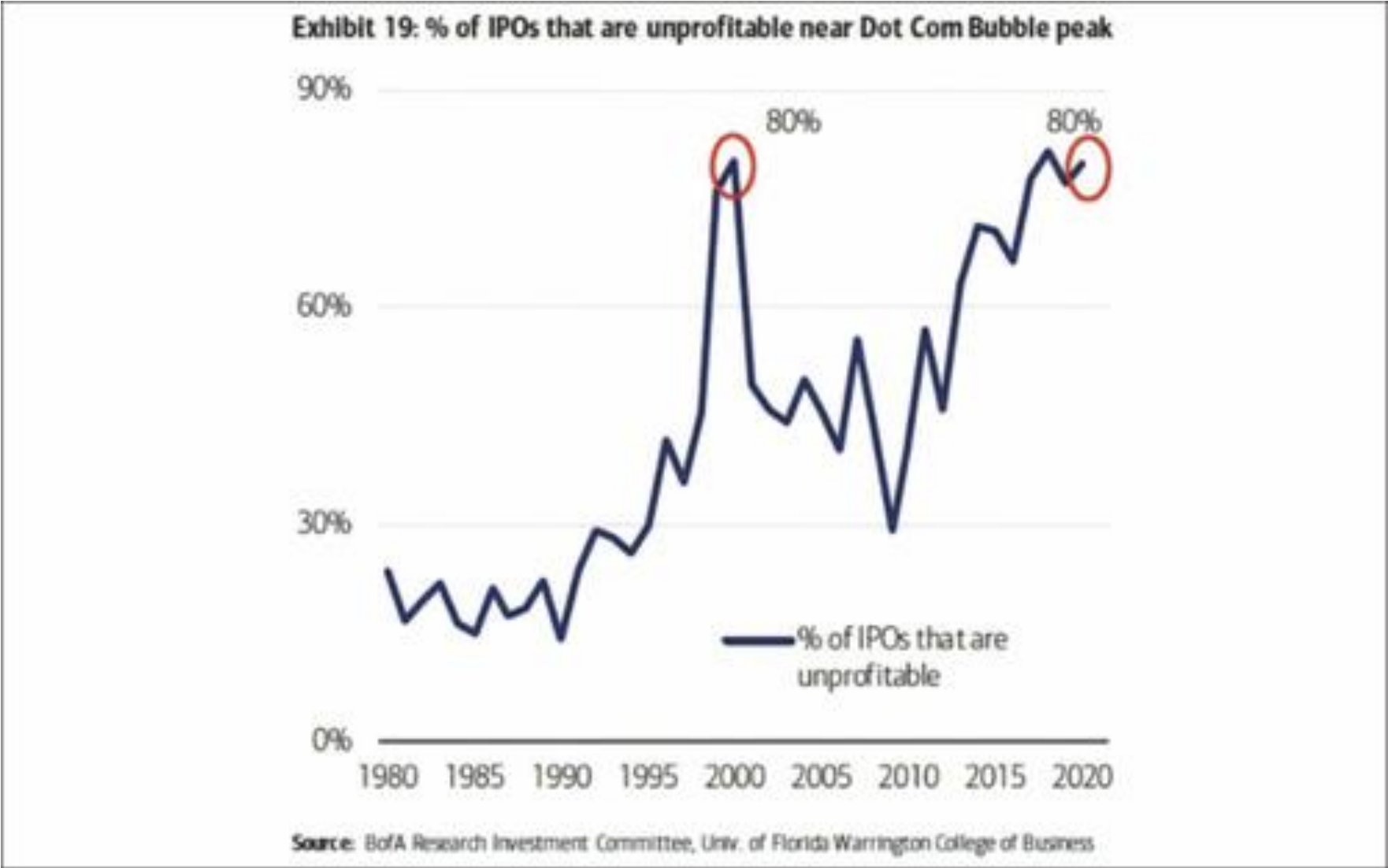
Source: Refinitiv

© FT

Exhibit 5: The SPAC boom has continued in early 2021
as of February 18, 2021



Source: Dealogic, Goldman Sachs Global Investment Research



This undiversifying happens over a very extended period of time and, because of that, this phenomenon hasn't been studied – but in our case, that time is now. The S&P 500 is now a concentrated portfolio, and has undone the logic of its original purpose and is not diversified at all. The top five companies, out of 500 constituents, now account for 21% of the index.

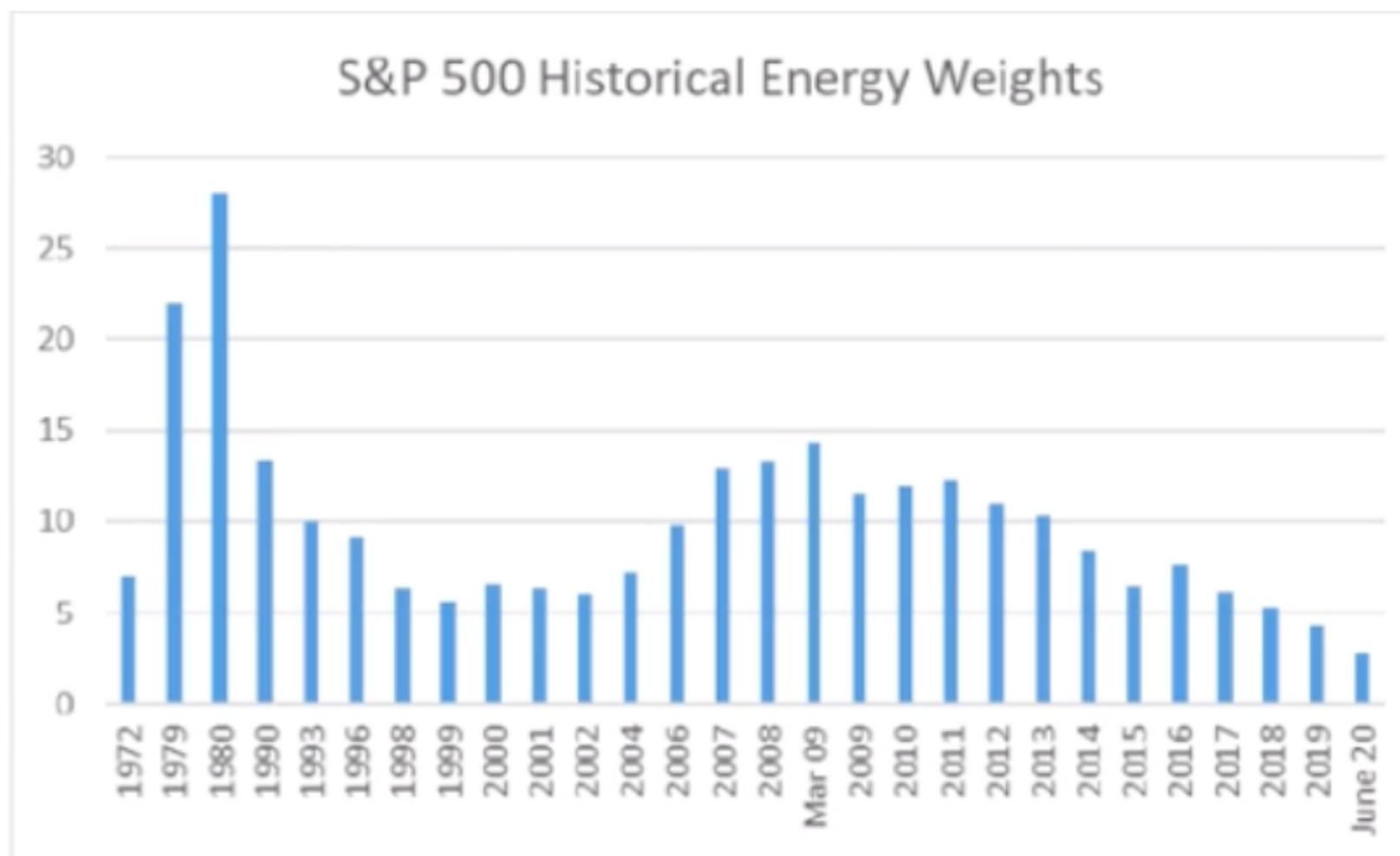
Industry sector overweighting and excessive dominance

- Periodically a problem
- Today . . . It is a serious problem with Technology
- Previously . . . It was a serious problem with Financials . . . back in Oct 2007
- Before that . . . It was a genuine problem with Energy . . . back in Nov 1980
 - 28.5% back in 1980
 - 2.5% today

Again, believe it or not, energy companies comprised seven of the top 10 market capitalization equities at the end of 1980.

The energy over- and underweights

Thus, an S&P 500 Index investor would have been very top-heavy in energy in 1980, with this weighting slowly coming down over time.



(Source: S&P Global, Bloomberg, Horizon Kinetic)

INVEST AHEAD ▶▶

The S&P 500 is really the S&P 5. Big tech dominates the index



By Paul R. La Monica, CNN Business

Updated 6:58 AM ET, Tue February 11, 2020

- Today, “technology” comprises 38.1% Of the S&P 500 Index
- This is after adjustment for three companies, that got reallocated to other industries by S&P
 - Amazon (AMZN), which has a 4.9% index weight, is classified as a *“consumer discretionary”*
 - Alphabet (GOOGL) (GOOG), which has a 3.4% combined index weight, is classified as a *“communication services”*
 - Facebook (FB), which has a 2.3% weighting, is classified as a *“communication services”*

In summary, if you add the market capitalization weightings of Amazon, Alphabet, and Facebook to the information technology sector, **the technology sector weighting balloons to roughly 38%, dwarfing even its late 1999/early 2000 weighting.** In this environment, where these leading technology stocks are historically overpriced, as I recently showed with my

And Apple is one of the “cheap” technology stocks

previous set of published articles that shows how lofty the valuation multiples are on Apple shares.



Salesforce is more representative of today's technology stocks

Salesforce.com is in the same position, with its absolute and relative valuation ratios off the proverbial charts.

Valuation

Calendar	2013	2014	2015	2016	2017	2018	2019	Current	5-Yr	Index
	315.14									
Price/Sales	8.67	7.21	8.13	5.97	7.48	8.41	8.39	13.00	8.05	2.33
Price/Earnings	—	—	—	236.07	—	147.28	178.73	110.53	315.14	24.75
Price/Cash Flow	6.81	32.87	34.50	25.29	31.00	33.64	33.00	59.74	31.75	14.32
Price/Book	1.30	9.87	10.96	7.01	8.35	7.13	4.33	6.48	8.11	3.36
Price/Forward Earnings	—	769.23	138.89	54.35	58.82	49.51	52.36	91.74	71.82	—
PEG Ratio	4.11	41.30	4.63	1.98	1.96	2.48	2.77	4.61	2.79	—
Earnings Yield %	0.40	-0.88	-0.17	0.42	0.00	0.68	0.56	0.90	0.28	—
Enterprise Value (Bil)	5.03	38.85	52.76	49.01	72.80	105.72	143.83	245.53	90.84	—
Enterprise Value/EBIT	—	—	622.02	380.40	404.16	119.86	116.18	1,687.58	535.99	—
Enterprise Value/EBITDA	7.32	160.84	88.44	68.81	78.63	60.12	48.02	105.20	72.31	—

“What were you thinking?”

As a reminder, and I have used this quote in my writing lately, remember what Scott McNealy, the former CEO of Sun Microsystems said about his company trading at a 10x revenue multiple at the peak of the dot-com bubble era.

At 10 times revenues, to give you a 10-year payback, I have to pay you 100% of revenues for 10 straight years in dividends. That assumes I can get that by my shareholders. That assumes I have zero cost of goods sold, which is very hard for a computer company. That assumes zero expenses, which is really hard with 39,000 employees. That assumes I pay no taxes, which is very hard. And that assumes you pay no taxes on your dividends, which is kind of illegal. And that assumes with zero R&D for the next 10 years, I can maintain the current revenue run rate. Now, having done that, would any of you like to buy my stock at \$64? Do you realize how ridiculous those basic assumptions are? You don't need any transparency. You don't need any footnotes. What were you thinking?

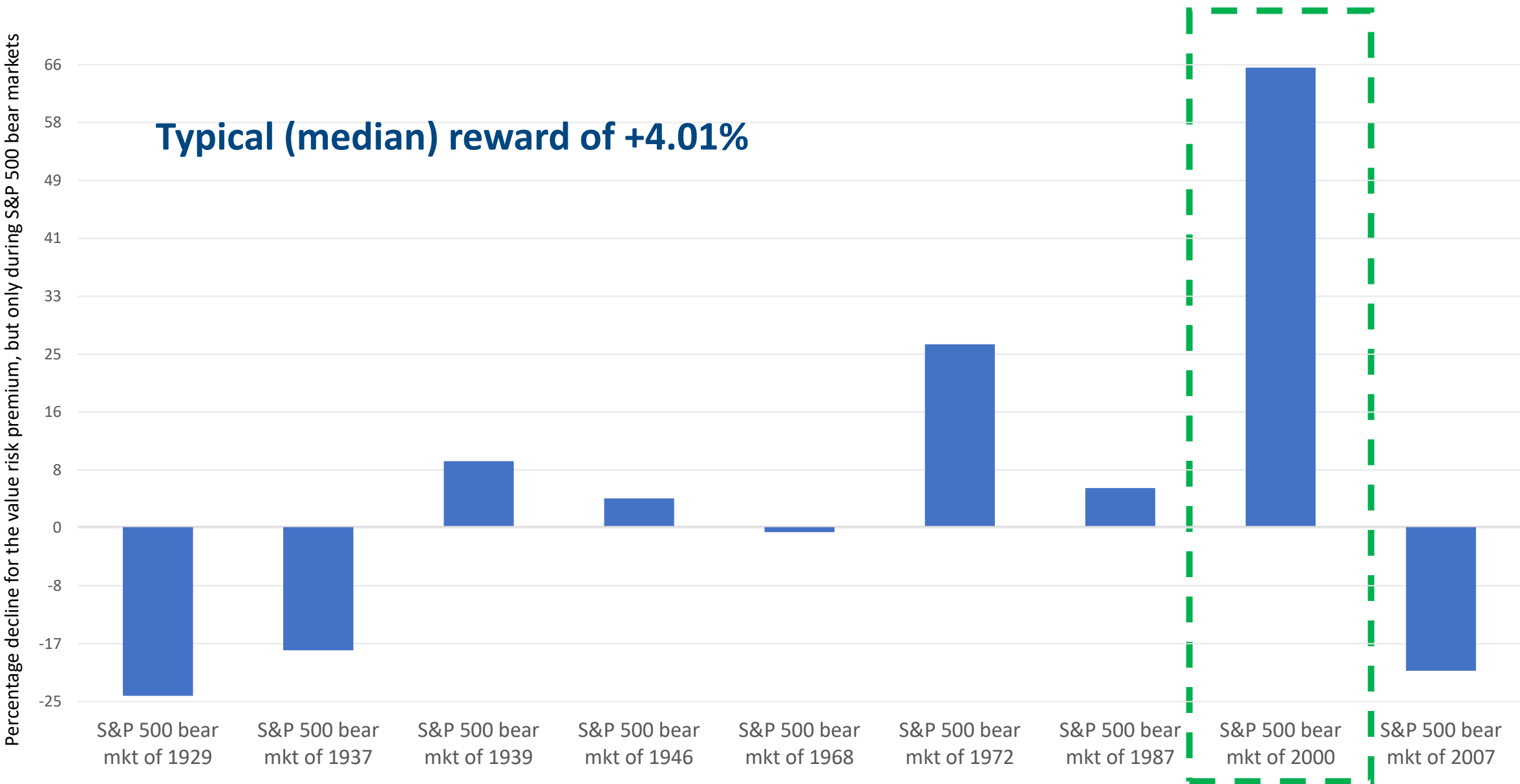
- Exxon Mobil Exit From Dow Reveals S&P 500 Index Structural Flaws

- <https://seekingalpha.com/article/4371418-exxon-mobil-exit-from-dow-reveals-s-and-p-500-index-structural-flaws>

But, why now

Reason 3 - Value did fantastic during the Great Tech Wreck of 2000

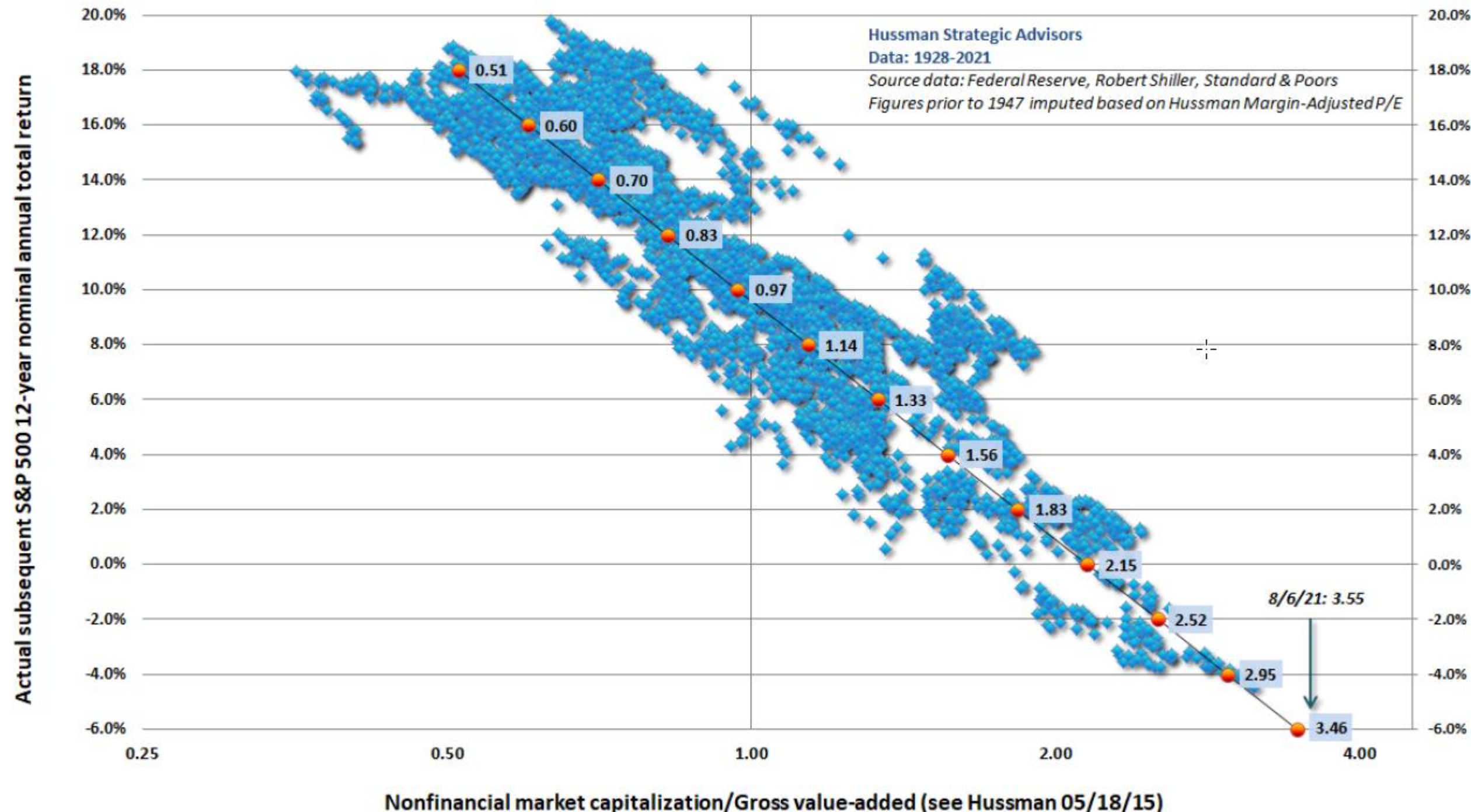
Value risk premium is random (noisy) during S&P 500 bear markets



But, why now

Reason 4 - Perhaps we have a bear market for all stocks coming

Are companies really worth 34% more today, than a year ago?



But, why now

Reason 5 - Tech is about to get hit by domestic and global anti-trust action



Big Tech's 'crossfire hurricane'

Julien Garran

21 January 2021

Introduction

This report argues that Big Tech is now caught in the crossfire between five politically driven threats;

Julien Garran

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Big Tech Anti-trust

This report maintains that the mainstream media, the sell-side, and investors in general have underestimated the dedication and effectiveness of the 'New Brandeis School' of Anti-Trust, led by Lina Kahn, and the degree to which it has taken over the Democratic agenda on Anti-Trust in Washington. This report argues that the New Brandeis School's agenda is powerful, radical, and likely to make significant progress during Biden's first term. This has the potential to create a major shock to Big Tech investors.

Justice Louis Brandeis & Lina Khan



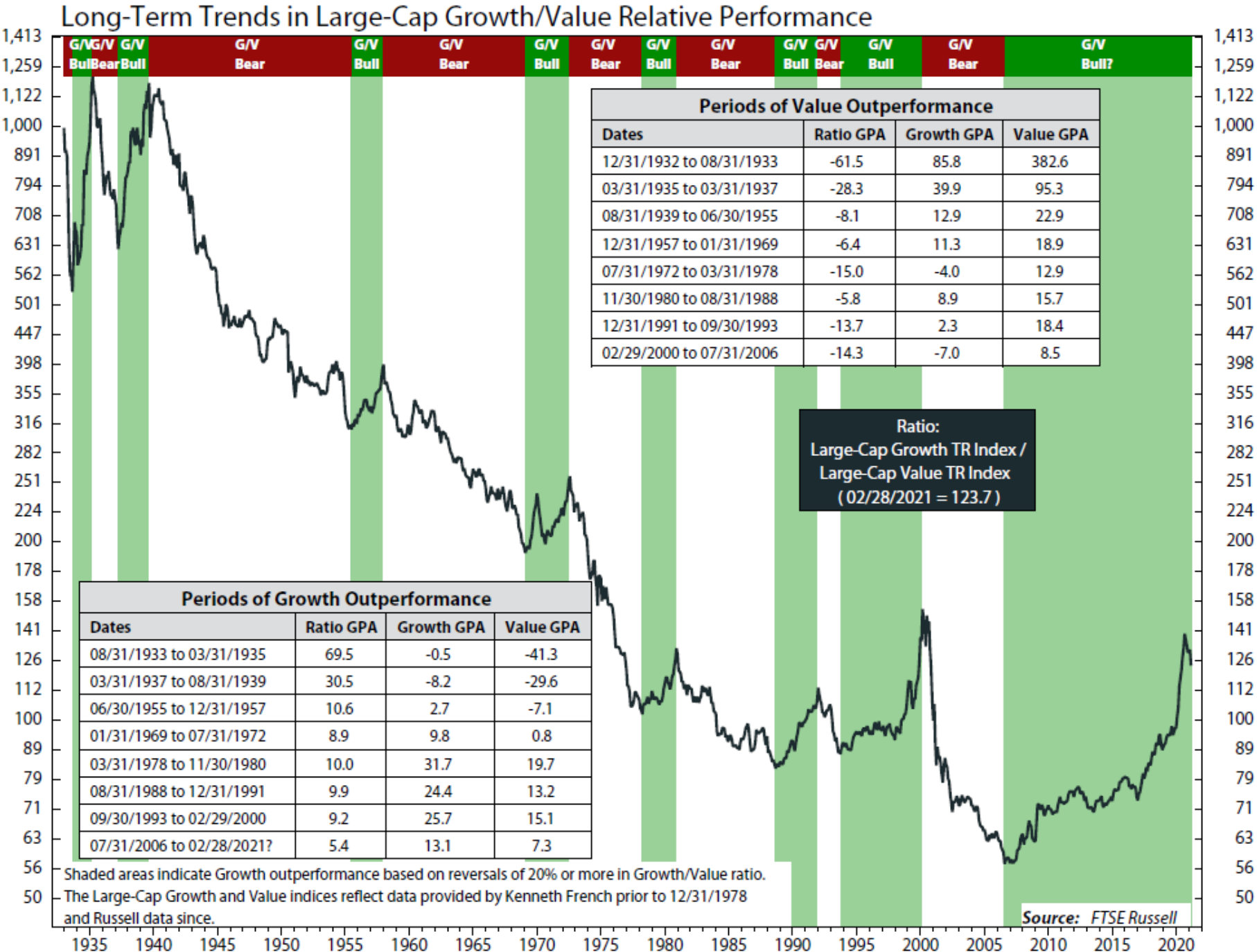
Source; Google Opensource

But, why now

Reason 6 - The growth cycle is long in the tooth

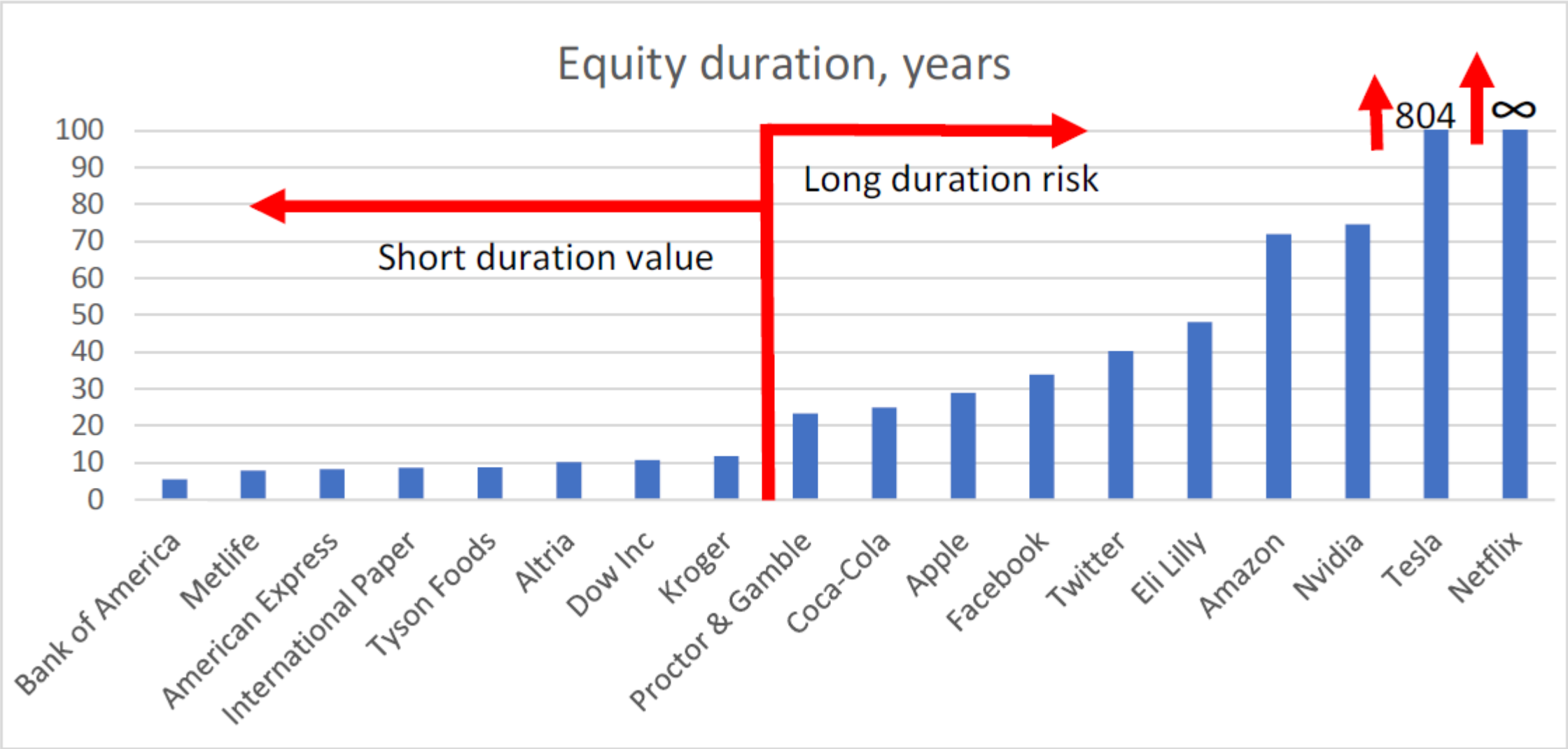
Trees don't grow to the sky

Monthly Data 1932-12-31 to 2021-02-28 (Log Scale)

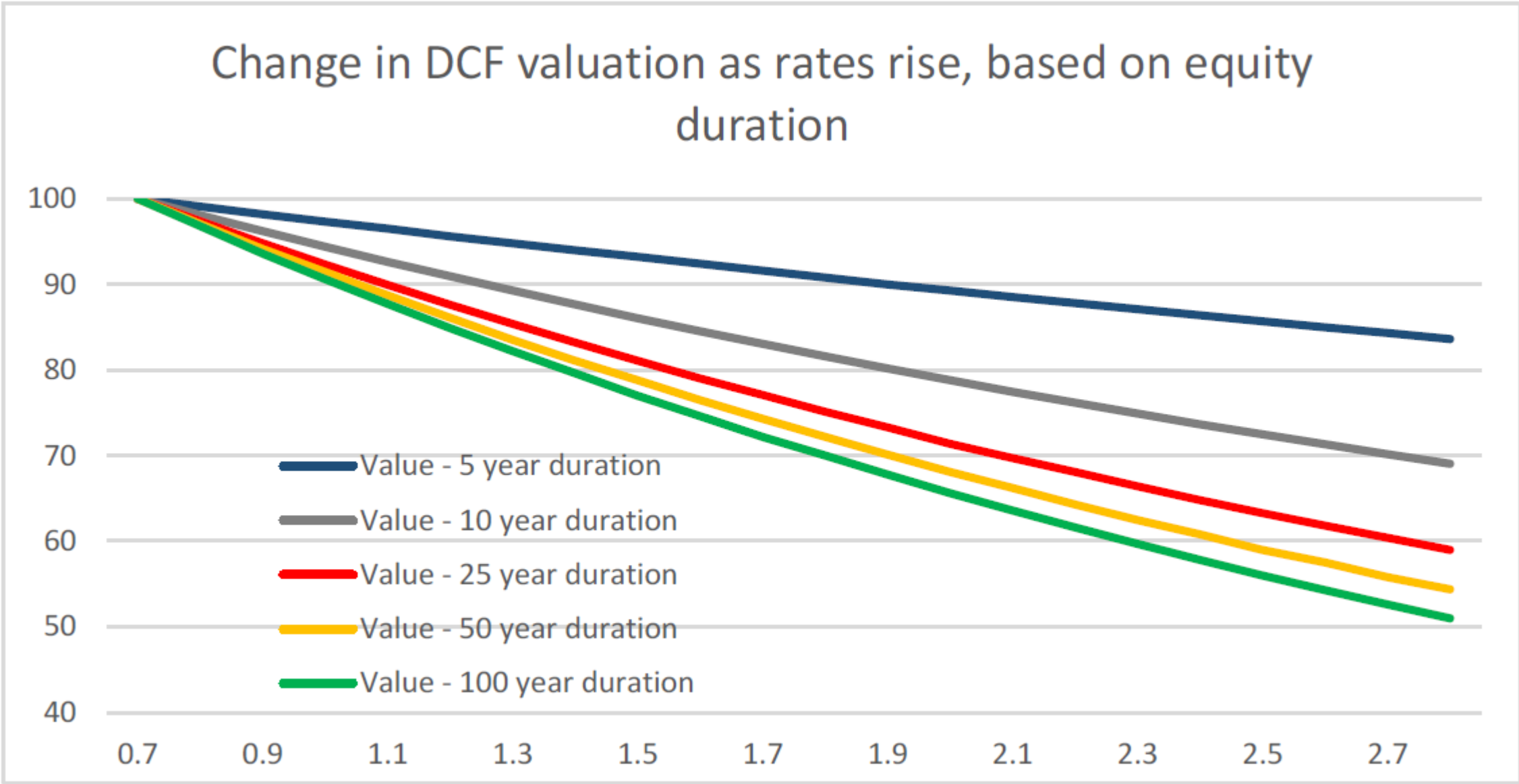


But, why now

Reason 7 - The problem of rising interest rates



Source; The MacroStrategy Partnership, Factset. Note; these examples do not constitute recommendations.

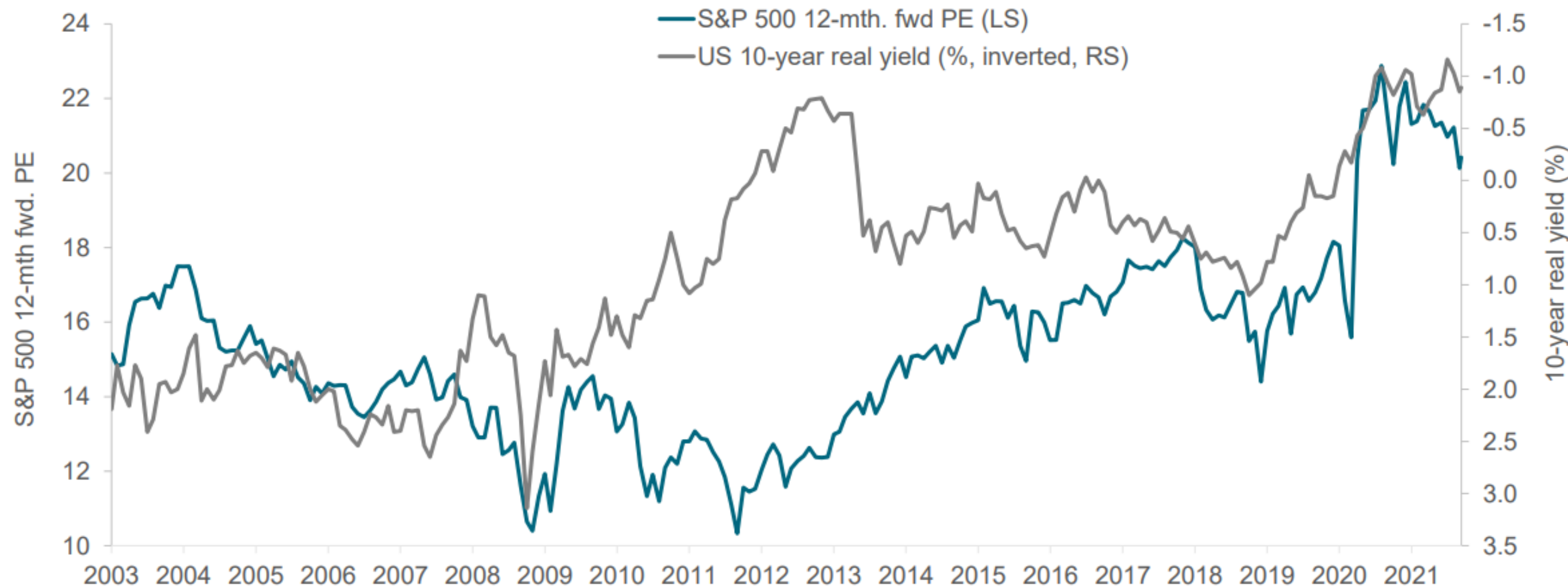


Source; The MacroStrategy Partnership

Consider . . . just how much interest rates will inevitably rise

Higher real yields could send valuations lower

S&P 500 forward PE vs. 10-year real yield (%)



PE: price to earnings ratio. Data as of October 8, 2021. Source: FactSet and Bloomberg

But, why now

Reason 8 - The story of “INNOVATION” is so boring . . . So old hat

- Innovation has been part and parcel of the US and International for over 150 years
- Here in the US
 - Railroads
 - Banks
 - Utilities
 - Energy - oil and coal
 - Autos
 - Chemicals
 - Consumer durables
 - Energy - technology driven recovery techniques (fracking)
 - Biotechnology
 - First wave of the “tech bubble” ended 2000
 - Second wave of the “tech bubble” ended 2021

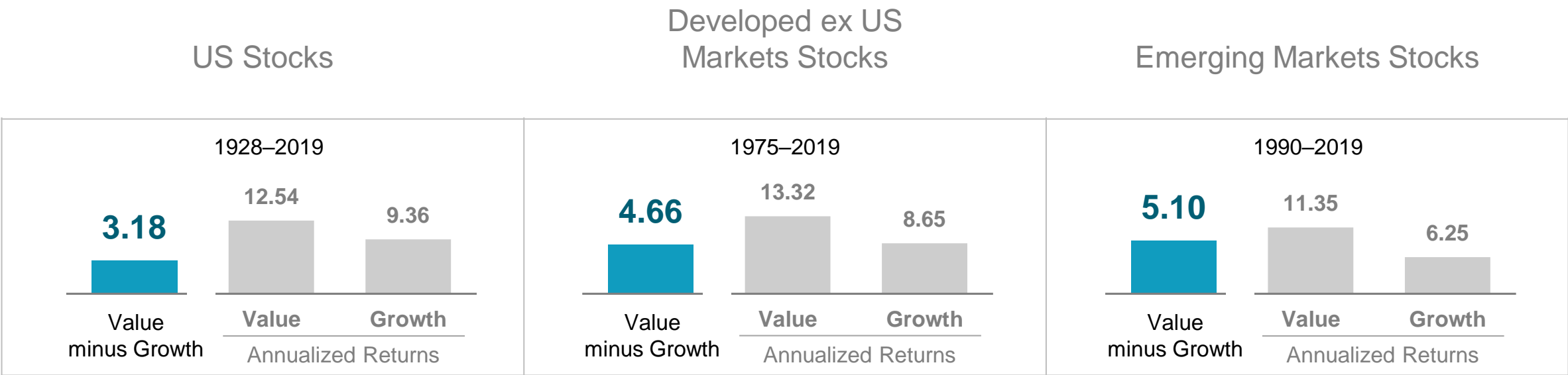
Additional considerations

Observation 1 - Value works across all geographies

Value risk premium across different geographies

Relative Price

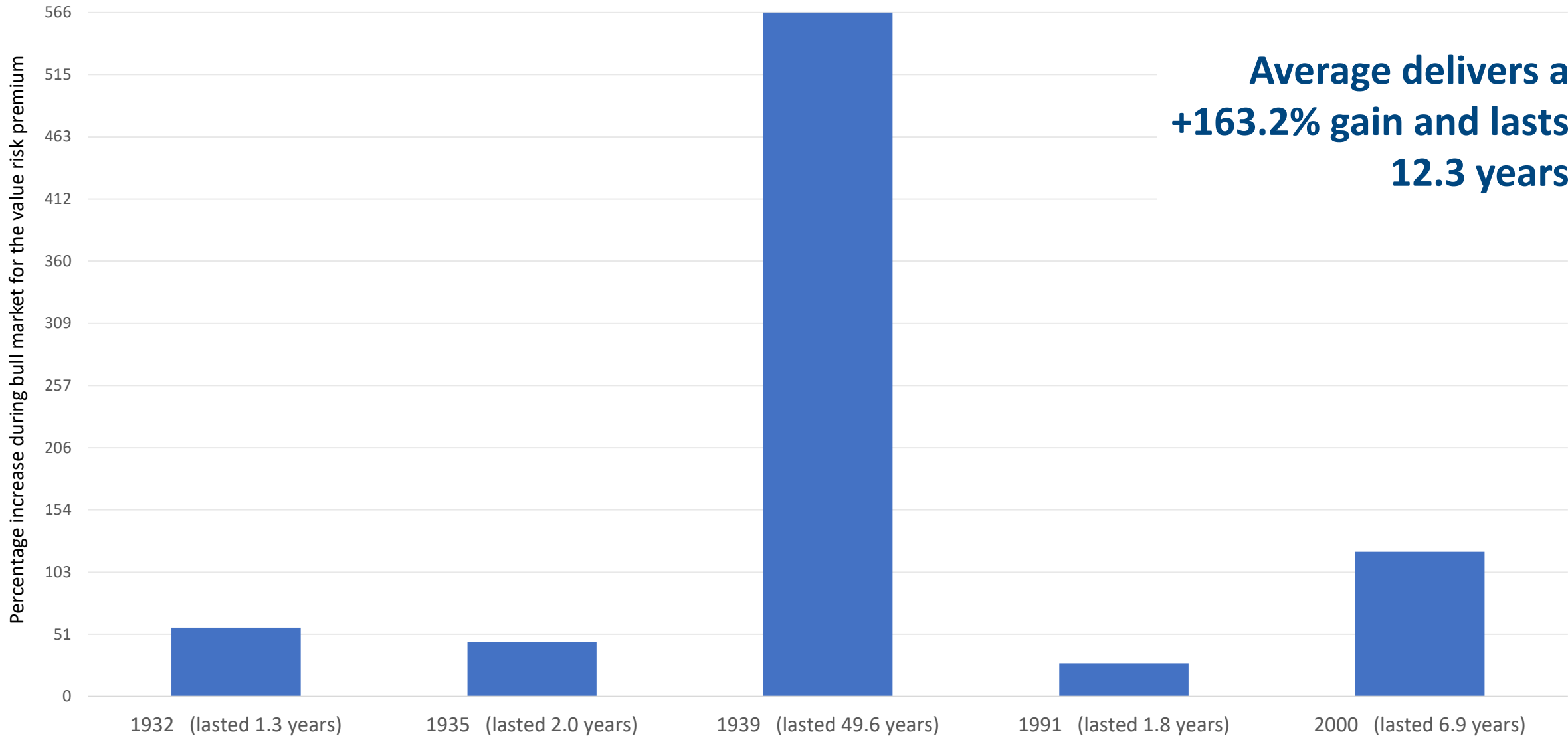
Relative performance of value stocks vs. growth stocks (%)



Additional considerations

Observation 2 - The juice is worth the squeeze

Average bull market delivers an extra +163% return over and above the return on growth

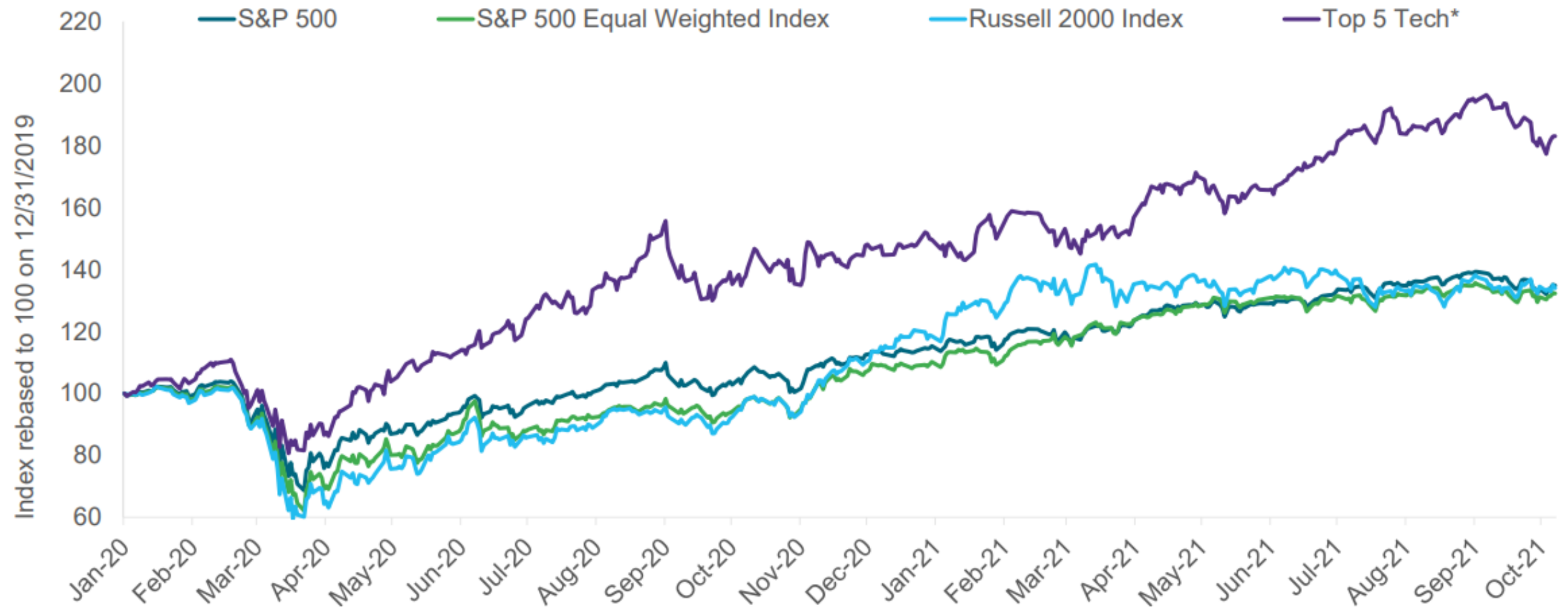


Additional considerations

Observation 3 - Value versus growth during the **COVID-cycle**

Big Tech's leadership has grown

Top 5 big tech vs. the rest of US equities

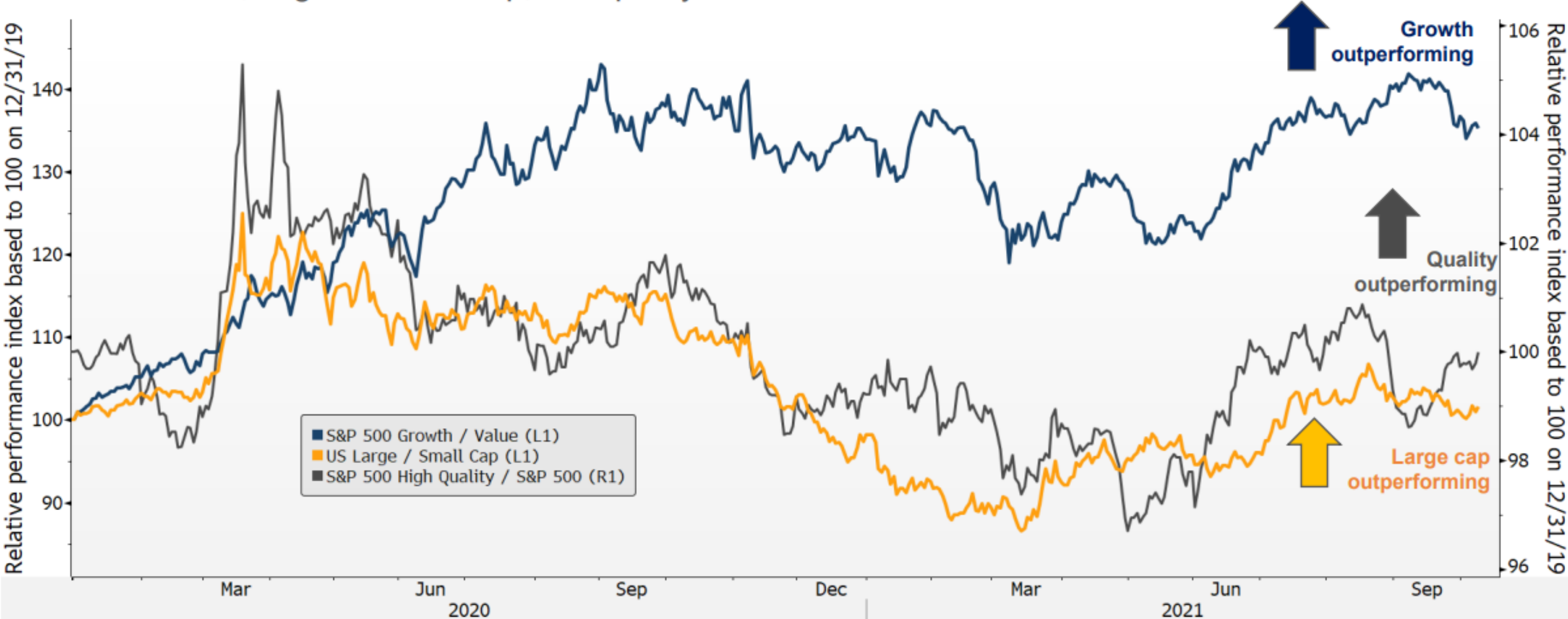


*Top 5 Tech: largest 5 stocks by market cap in S&P 500 - Facebook, Google, Amazon, Apple, Microsoft. Equal weighted performance for top 5 tech index. Data as of October 8, 2021. Source: Bloomberg.

For internal use only, do not share with clients or prospects

Relative factor performance has been mixed

Growth vs. value, large vs. small cap, and quality vs. S&P 500 since 2020

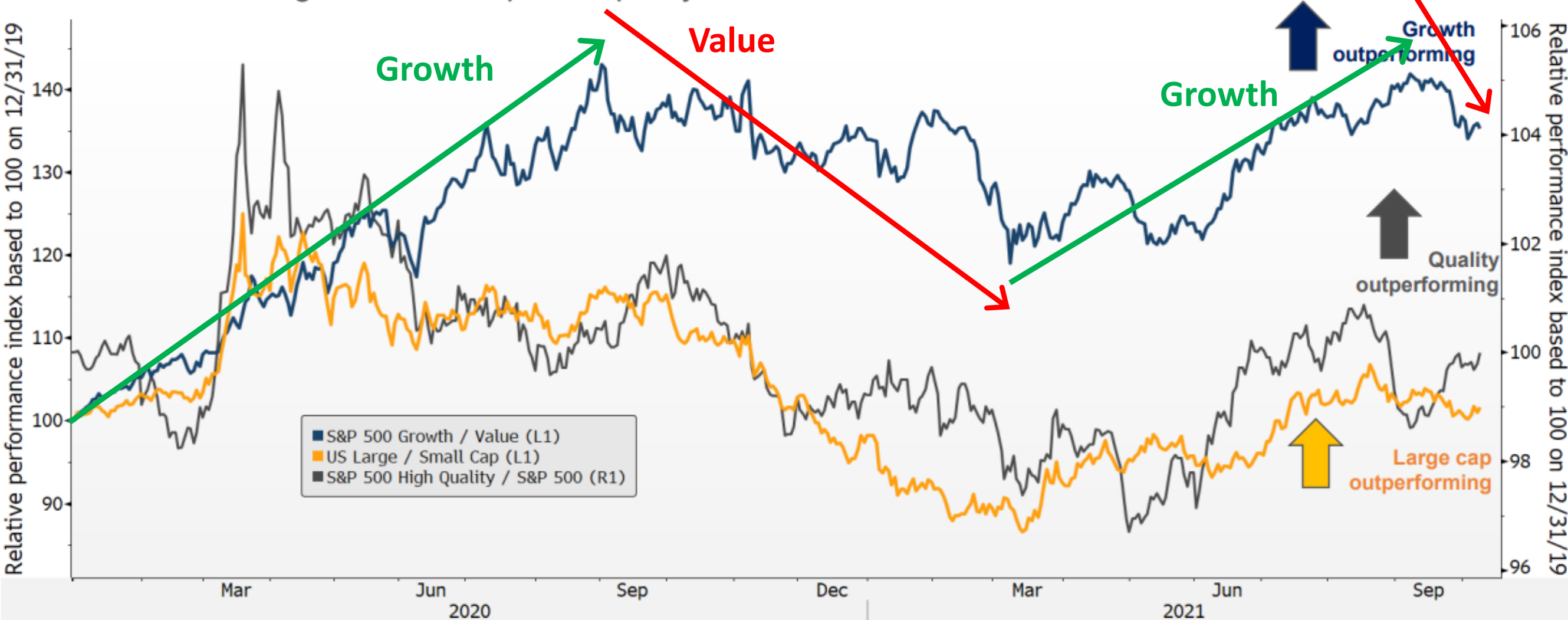


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Data as of October 8, 2021. Source: Bloomberg

Relative factor performance has been mixed

Growth vs. value, large vs. small cap, and quality vs. S&P 500 since 2020



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Data as of October 8, 2021. Source: Bloomberg

Additional considerations

Observation 3 - The right way and the wrong way to do value

- Current income
- Zombie filter
- Sustainability
- Profitability
- Growing income
- Tangibles vs intangibles

- Current income
- Zombie filter
- Sustainability
- Profitability
- Growing income
- Tangibles vs intangibles

The worst way to do value

- Ticker IWN
- Russell 2000 Value ETF
- It possibly maximizes your exposure to zombies
- And depends too heavily on the myopic P/B to identify value

- High Dividend strategy . . . Individual stocks
- ESG strategy . . . Individual stocks

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Some part of the investment performance shown is HYPOTHETICAL. It is based on the back tests of historical data. Hypothetical performance results have many inherent limitations, some of which are described below. No representation is being made that any account will or is likely to achieve profits or losses similar to those shown. In fact, there are frequently sharp differences between hypothetical performance results and the actual results subsequently achieved by any particular trading program.

One of the limitations of hypothetical performance results is that they are generally prepared with the benefit of hindsight. In addition, hypothetical trading does not involve financial risk, and no hypothetical trading record can completely account for the impact of financial risk in actual trading. For example, the ability to withstand losses or adhere to a particular trading program in spite of trading losses are material points which can also adversely affect actual trading results. There are numerous other factors related to the markets in general or to the implementation of any specific trading program which cannot be fully accounted for in the presentation of hypothetical performance results and all of which can adversely affect actual trading results.

The composition of a benchmark index may not reflect the manner in which a Julex portfolio is constructed in relation to expected or achieved returns, investment holdings, portfolio guidelines, restrictions, sectors, correlations, concentrations, volatility, or tracking error targets, all of which are subject to change over time.

No representation or warranty is made to the reasonableness of the assumptions made or that all assumptions used to construct the performance provided have been stated or fully considered.