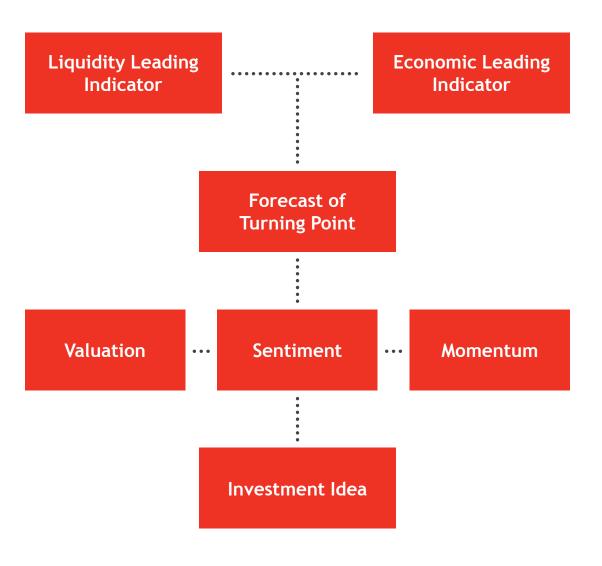
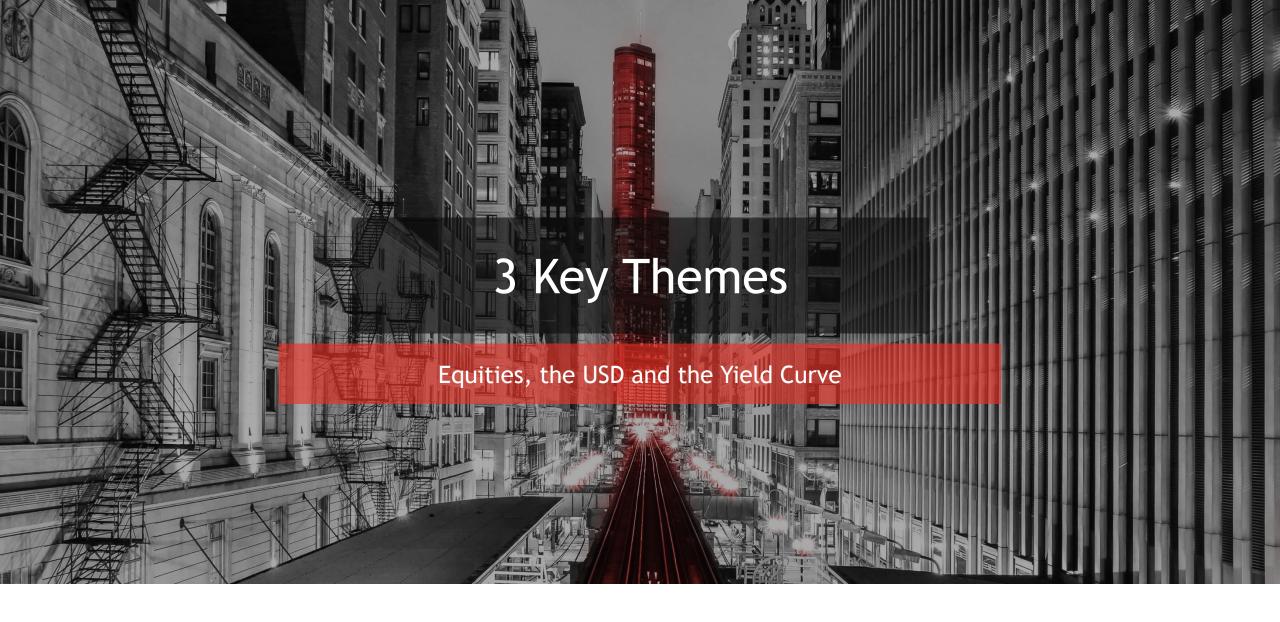




DEVELOPING A VARIANT PERCEPTION Variant Perception's data-driven approach helps decision-makers identify the most asymmetric trades and investments. We've built a framework to identify major turning points and extremes in markets.









Global overview

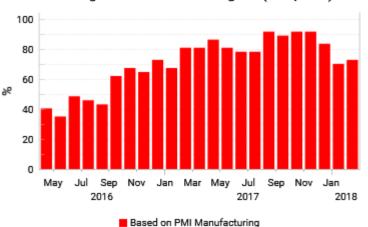
Shorter-term our leading indicators are still positive, but the environment is soon likely to become more challenging.

MSCI All-Country World 6m/6m

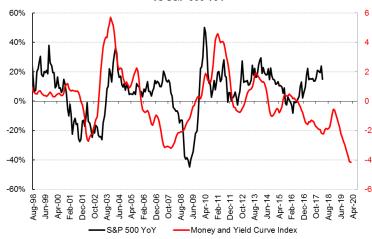




Percentage of Countries with Rising PMI (12m period)



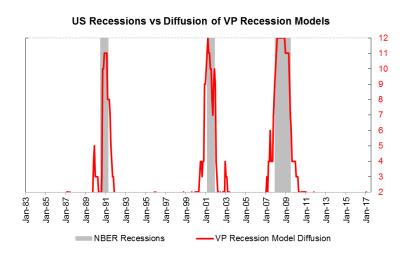




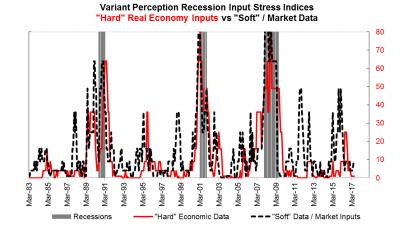


US recession remains key macro theme

Old cycles die quickly. That is why it's more important than ever to be alert for a recession. The risk of a US recession over the next 3-4 months remains low for now, but that can change quickly.









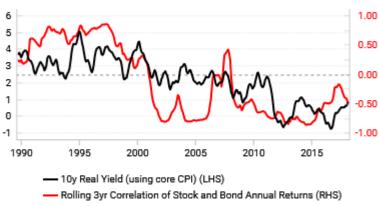
The ratio to watch

The interplay between stocks and bonds is the key relationship to watch. The stock-bond ratio is now biased lower.



Rolling 3yr Correlation of Stock and Bond Annual Returns





US Stock-Bond Ratio

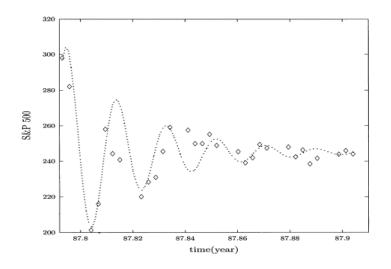
vs VIX Index (inverted)

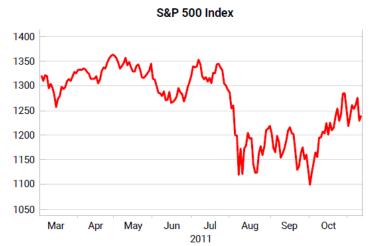




Post-crash dynamics

Stocks are displaying "harmonic oscillation", and another re-test of the February lows is likely.





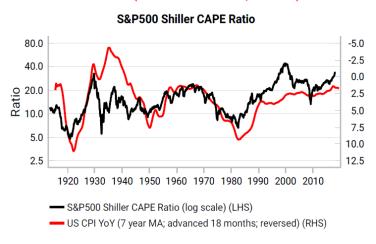




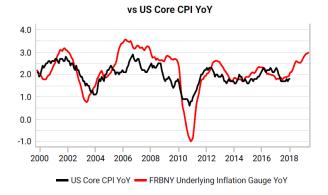
Fundamental stock supports wavering

Many of the fundamental supports for stocks look vulnerable, including corporate profitability and P/E multiples.

US CPI YoY (Advanced 18 months; reversed)

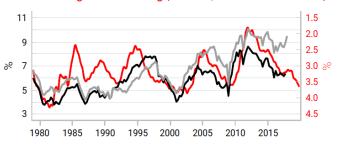


Fed NY Underlying Inflation Gauge YoY (advanced 16 months)



US Profit Margins & RoE

vs VP US Wage Short Leading (Inverted, Advanced 21 Months)



- NIPA Corporate Profits/GDP (LHS)
- US Non-Financial Return on Equity (LHS)
- VP US Wages Short Leading Indicator (Inverted, Advanced 21 Months) (RHS)

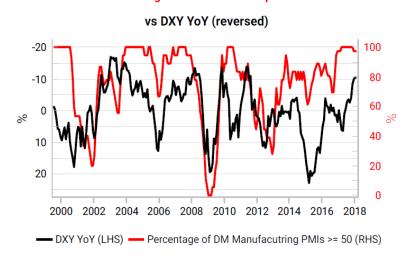


USD: a two-sided price

The USD's performance is related to the US's performance relative to the rest of the world.

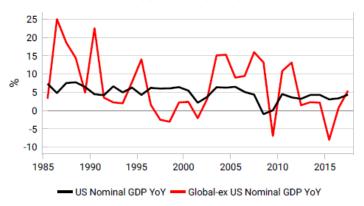
Trade tensions could be the catalyst for a stronger USD.

Percentage of DM PMIs in Expansion

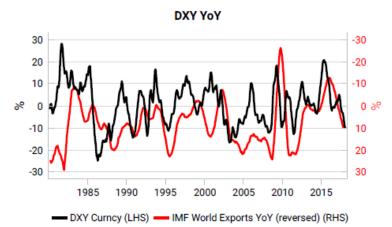


Global-ex US Nominal GDP YoY

vs US Nominal GDP YoY



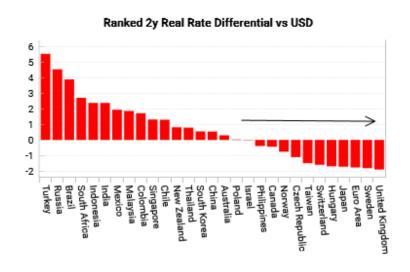
IMF World Exports YoY (reversed)



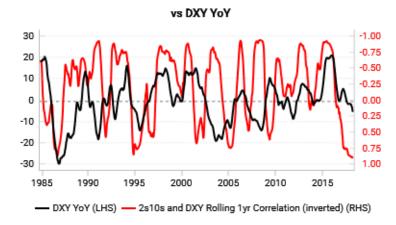


Medium-term USD drivers

Real-rate differentials continue to favour the dollar. Moreover, the real yield curve points to a higher USD.



US 2s10s Yield Curve and DXY Correlation (1y rolling, inverted)



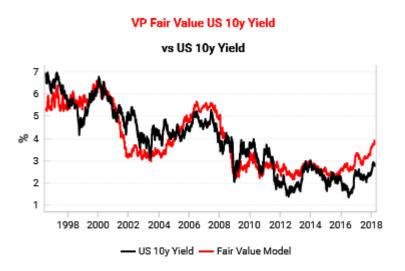
DXY YoY
vs 2s10s Real Yield Curve (Advanced 6 Months)





US yield curve biased steeper

We see the US yield curve (2s10s) with a steepening bias in 2018.

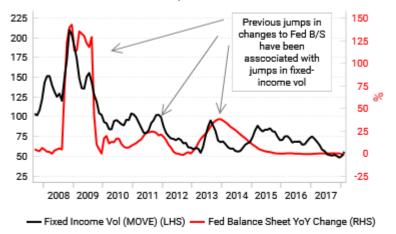


US Yield Curve

vs MOVE Index



Fixed-Income Volatility and the Fed's Balance Sheet





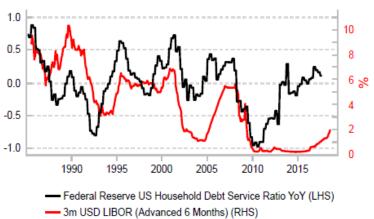
Higher LIBOR-OIS here to stay

LIBOR-OIS is highly unlikely to return to its late 2017 levels. LIBOR is linked to trillions of USD of loans and its rise over and above OIS will have chronic (rather than acute) effects across the economy.



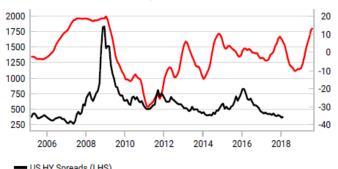
3m USD LIBOR (Advanced 6 Months)





US Commercial Paper Outstanding YoY (Advanced 18 months)

vs US High Yield Spreads



US HY Spreads (LHS)

US Commercial Paper Outstanding YoY (Advanced 18 months, 6m MA) (RHS)

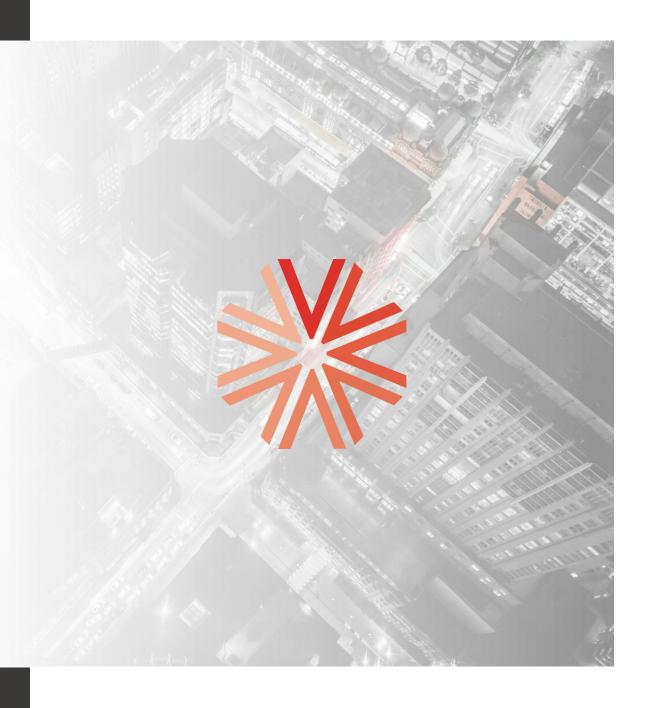


OUR COMPANY

Variant Perception is a leading independent investment research provider that equips money managers, both institutional and individual, with actionable investment advice.

Not satisfied with the state of economic research, we set out to build our own set of tools that answered the questions we had about financial markets, asset allocation and asset management.

Our perspectives are often those of outsiders, and that's probably for a reason. We're an eclectic group of people. Our team is a mix of veterans from Wall Street, NASA and the Navy Seals.



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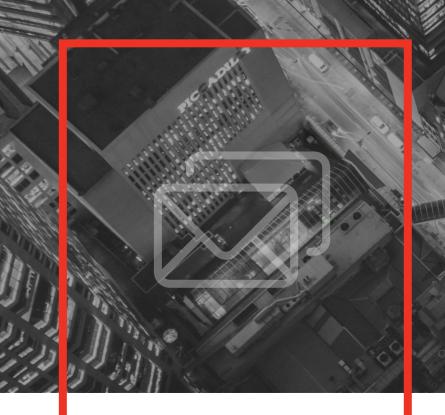


UNDERSTANDING SERIES

White Papers that demystify macro drivers

Key investment philosophies shouldn't be opaque. We've laid out the way we look at the world for our clients, so they can trust and understand our approach.





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