

# MODEL CAPITAL MANAGEMENT LLC Coronavirus: This is a Bear Market

#### **IMPORTANT NOTICE**

The following material is provided by a third-party strategist unaffiliated with AssetMark. The strategist is solely responsible for its content. Please read the risks and disclosures section for additional important information. AssetMark has not verified the accuracy of the information contained in this material.

For financial advisor use with advisory clients.

C20-15683 | 03/2020 | EXP 03/31/2021



572 Washington St. Suite M2, Wellesley, MA 02482 • modelcapital.com • team@modelcapital.com • (844) 213-1031

## May Be Used With Advisory Clients

Focus: U.S. Tactical Limit-Loss Strategies: Tactical Growth, Tactical 2xGrowth, Tactical Income

# This Is a Bear Market

Our equity model continues with a defensive position

Roman Chuyan, CFA

March 15, 2020

- Our fundamentals-based process has helped protect against the entire downturn so far.
- Stocks are cheaper, but economic factors are now negative, and so is the outlook for the S&P 500.
- I describe developing themes (earnings, economic) that might continue to pressure markets.

Stocks resumed their plunge after a brief rebound in the first week of March. Crude oil price tumbled to its lowest since 2016, stirring worries about the energy sector, while epidemic-containment efforts curtailed activity in the travel, hospitality, and entertainment industries. The S&P 500 cratered 9.5% on Thursday in its worst day since the Black Monday of 1987, before rebounding by 9% the next day. All major US indexes entered bear markets, defined as over-20% decline from peak, thus terminating the preceding 11-year bull market. The S&P 500 index is now down 17% year-to-date, reversing a year's worth of gains. As bad as it looks, non-US equities have done much worse due to their consistent underperformance, now reversing their entire five-year gain.

#### US And Global Stocks, 1 Year

S&P 500 Total Return Level % Change



Source: Ycharts, as of 3/13/20. It is not possible for an individual to invest directly in the S&P 500 index. Fund performance is shown for illustration only. Model Capital does not currently hold any of these funds, but positions may change at any time without notice.

This is an interesting time, and I have a lot to write about. I'll first cover market trends (some very unusual), and then discuss emerging fundamental themes including economic and earnings.

But first, let me assure our clients that we continue to protect them against this downturn. The YTD returns in our Tactical Growth and Income strategies are low-positive from interest on short-term T-Bills. Our models gave signals to de-risk well ahead of the market plunge. In retrospect, our models did exactly what they were designed to do – an example of how our forward-looking process protects against a violent selloff such as this, while backward-looking models cannot. At this time, we continue with defensive positioning (see Equity Return Forecast).

#### **Market Trends**

Years of bull market and an accommodative Fed encouraged overinvestment in risk assets – including stocks, but also high-yield and investment-grade bonds. Some took more risk than was appropriate for them, hoping to sell in time. But the warning memo never arrived. Now, many investors heading for the exit at the same time makes this selloff especially steep.

In stocks, "fear indicators" spiked to the levels of previous severe selloffs. The Put/Call ratio jumped to 1.83 on March 9 – nearly the same as its peak of 1.82 in December-2018. Implied volatility – the VIX – jumped to 75 on March 12, previously exceeded only in October-November of 2008. This is real fear.

#### S&P 500 & VIX, 2006-2020



Corporate and high-yield bonds and loans also dropped sharply, now down 8-9% from their recent peaks (see chart on the next page). Expecting bonds to gain when stocks fell, some managers have expressed surprise. They wouldn't if they'd studied bear markets. While negative correlations hold in a "normal" environment, credit always sells off in severe downturns such as in 2008. That's why we've been holding US Treasuries.

#### **Bond Price Returns, 3 Years**



The corresponding credit spreads widened significantly, close to their previous "moderate" peaks in 2011 and 2016 – but not yet nearly to their 2008-09 levels:



#### Credit Spreads, 2007-2020

Finally, currencies moved in unusual ways. Emerging-market currencies had been falling for some time, and have now plunged to, or near, their all-time lows. During the rout, the Euro and the Yen rallied (the

dollar fell). This was driven by an unwinding of hedge funds' "carry" strategies rather than by confidence in those economies. It appears that the unwinding has mostly run its course.

#### **Fundamental Themes**

As I've written previously, the problem is not just the coronavirus pandemic, but that it's happening amid a fragile macro environment. Valuation and leverage were extreme amid slowing global growth and flat earnings. The coronavirus containment efforts escalated quickly, and now affect everyday lives. Travel declined, schools and universities closed or moved online, events were cancelled, and companies sent people to work from home. Apple just announced closing all its retail stores outside China until March 27. All this puts pressure on economic activity – but we don't yet know how much. Economic data is available only with a lag. Among early indicators, consumer sentiment has begun to ease only modestly. Our equity model detects weakness in the Houses for Sale data – a similar pattern to that in 2007. JP Morgan now projects a US recession, expecting GDP to fall 2% in Q1 and 3% in Q2.

Economic projections follow markets. JP Morgan's recession warning could be correct, but it didn't precede this market plunge – it followed it. To inform our investment thesis and to add color to our model's forecast (see Equity Return Forecast below), we think about upcoming themes:

#### Earnings

Companies give guidance in analyst calls at the end of each quarter. Negative guidance was one reason for the market drop in Dec-2018, in my view – earnings began small declines in early 2019 from 13% growth in Q4-2018. Earnings for the current, first quarter of 2020 will likely be terrible. Not only travel and hospitality were hit by the epidemic; energy and materials were hit by plunging commodity prices, but broad weakness is likely across other sectors. This might initiate another wave of selling in late March.

#### **Economic projections**

Other major banks will likely follow JP Morgan in uttering the "R" word, which will create more negative sentiment and selling. Investors remember that bear markets set on in recessions.

#### Institutions

Hedge funds can move quickly, and were likely among the first to de-risk. Currency moves suggest that the carry trade is now reversed, and so are probably most net-long hedge fund strategies. However, other institutional selling has only begun. Trend-following, volatility-driven, and risk-parity strategies have de-risked by around half. Long-term money – pensions, endowments and foundations – tends to shift based on prevailing economic and earnings projections (which are now falling) and to act quarterly (end of Q1 is approaching). This wave of selling will be larger the worse economic and earnings projections look.

#### Coronavirus

The epidemic has continued to drive market moves ever since it first pricked the bubble. Global infections are now growing at about 10,000 per day. Aside from increased test availability, the quickening or slowing of its spread and any news of development of a vaccine or cure will continue to affect markets.

Finally, I'd like to shift focus to the long term. In my mid-December client report titled *Welcome to the 2020's*, I described an environment with lower average returns and higher volatility, and with occasional sharp downturns – and the one now unfolding confirms this thesis. **Buy-and-hold strategies worked well during the 2010's bull market**, so it's understandable that investors didn't bother with downside

protection. We think that downside protection will be critical in the new environment. Looking back at the past month is not really a good reason to begin using us – looking ahead to the next 10 years *is*.

## **Equity Return Forecast**

The outlook for the S&P 500 by our fundamentals-based statistical model remains moderately negative, which dictates continued defensive allocation. Valuation measures are lower after the market plunge, and the model's valuation category turned positive. But this was mostly offset by the decline in the economic category, which is now negative. In each run, our model evaluates factors' statistical significance. Out of 24 factors, it leaves in the final equation only those factors that meet the minimum 95% confidence level. In this run, the model replaced two factors with three others: the P/E Ratio, Homes for Sale and Consumer Confidence.



Valuation improved after the market plunge. The Price-to-Book Ratio dropped to 2.75 from 3.3 last month. The effect of this factor is now 8.7% - the most positive factor in the model. The model switched-on the P/E Ratio, with initial effect of -3.4% due to weak earnings growth in recent years. Still, the market is now undervalued overall, for the first time since 2012.

As part of its regular factor rebalancing, the model replaced New Home Sales with Homes for Sale and Consumer Confidence. Homes for Sale came in at a negative effect, -9.2% - the model detects weakness in the data that preceded previous stock market drops.

The effects of fund cash positions and interest rates improved this month. The model also switched-off AAII Investor Sentiment. As a result of all these, the combined effect of market factors improved from -2.4% to -0.7%.

Our short-term risk model, which looks for technical patterns that preceded previous sharp market declines, continues with its Sell signal. The Investor Sentiment component of the model gave a Sell signal on Dec 23 due to extreme investor bullishness (a contrary indicator). Lasting for three months, this signal will likely end around March 31. The equity model's most negative and positive factors are shown below in historical context (assuming their current weights). The Price-to-Book Ratio dropped to 2.75 after the market plunge, from 3.3 last month and compared with its mid-February peak of 3.7. The effect of this factor in the model jumped to 8.7%, and this factor switched from the most negative to the most *positive* in the model:



Homes for Sale began to decline in recent months on a year-over-year basis. Our model finds this factor to be negative for expected stock returns – a pattern similar to that in 2007. The model calculates the effect of this factor at -9.2%, and it becomes the most negative in our model.



© 2020 Model Capital Management LLC. All rights reserved.

#### **About Model Capital Management LLC**

Model Capital Management LLC ("MCM") is an independent SEC-registered investment advisor, and is based in Wellesley, Massachusetts. Utilizing its fundamental, forward-looking approach to asset allocation, MCM provides asset management services that help other advisors implement its dynamic investment strategies designed to reduce significant downside risk. MCM is available to advisors on AssetMark, Envestnet, and other SMA/UMA platforms, but is not affiliated with those firms.

#### **Notices and Disclosures**

- 1. This research document and all of the information contained in it ("MCM Research") is the property of MCM. The Information set out in this communication is subject to copyright and may not be reproduced or disseminated, in whole or in part, without the express written permission of MCM. The trademarks and service marks contained in this document are the property of their respective owners. Third-party data providers make no warranties or representations relating to the accuracy, completeness, or timeliness of the data they provide and shall not have liability for any damages relating to such data.
- 2. MCM does not provide individually tailored investment advice. MCM Research has been prepared without regard to the circumstances and objectives of those who receive it. MCM recommends that investors independently evaluate particular investments and strategies, and encourages investors to seek the advice of an investment adviser. The appropriateness of an investment or strategy will depend on an investor's circumstances and objectives. The securities, instruments, or strategies discussed in MCM Research may not be suitable for all investors, and certain investors may not be eligible to purchase or participate in some or all of them. The value of and income from your investments may vary because of changes in securities/instruments prices, market indexes, or other factors. Past performance is not a guarantee of future performance, and not necessarily a guide to future performance. Estimates of future performance are based on assumptions that may not be realized.
- 3. MCM Research is not an offer to buy or sell or the solicitation of an offer to buy or sell any security/instrument or to participate in any particular trading strategy. MCM does not analyze, follow, research or recommend individual companies or their securities. Employees of MCM may have investments in securities/instruments or derivatives of securities/instruments based on broad market indices included in MCM Research.
- 4. MCM is not acting as a municipal advisor and the opinions or views contained in MCM Research are not intended to be, and do not constitute, advice within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act.
- 5. MCM Research is based on public information. MCM makes every effort to use reliable, comprehensive information, but we make no representation that it is accurate or complete. We have no obligation to tell you when opinions or information in MCM Research change.
- 6. MCM DOES NOT MAKE ANY EXPRESS OR IMPLIED WARRANTIES OR REPRESENTATIONS WITH RESPECT TO THIS MCM RESEARCH (OR THE RESULTS TO BE OBTAINED BY THE USE THEREOF), AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, MCM HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, NON-INFRINGEMENT, COMPLETENESS, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE).
- 7. "Model Return Forecast" for 6-month S&P 500 return is MCM's measure of attractiveness of the U.S. equity market obtained by applying MCM's proprietary statistical algorithm and historical data, but is not promissory, and, by itself, does not constitute an investment recommendation. Model Return Forecasts were calculated and applied by MCM to its research and investment process in real time beginning from 2012. For periods prior to Jan 2012, the results are "back-tested," i.e., obtained by retroactively applying MCM's algorithm and historical data available in Jan 2012 or thereafter. Source for the S&P 500 actual returns: S&P Dow Jones.
- 8. Index returns referenced in MCM Research, if any, are gross of any advisory fees, fund management fees, and trading expenses. Fund or ETF returns referenced, if any, are gross of advisory fees and trading expenses. Returns will be reduced by fees and expenses incurred.