Chart Collection for Morning Briefing

Yardeni Research, Inc.

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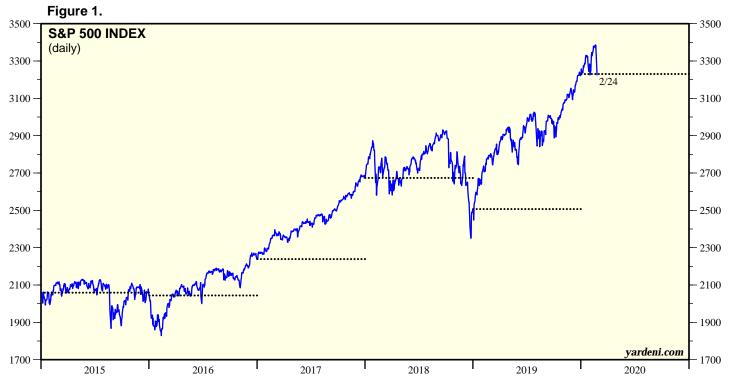
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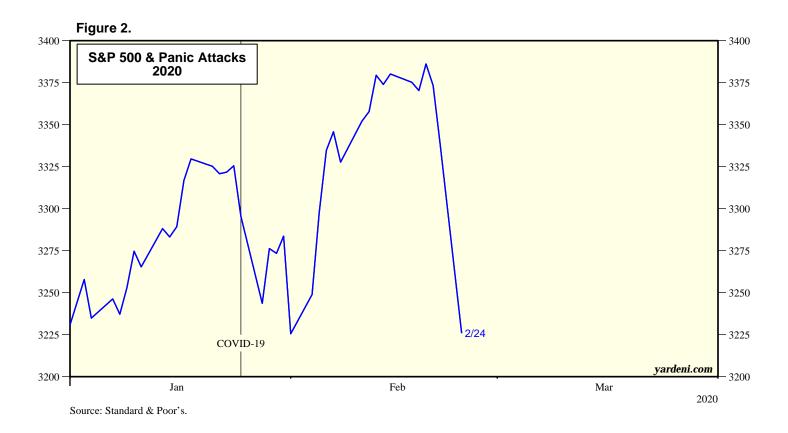
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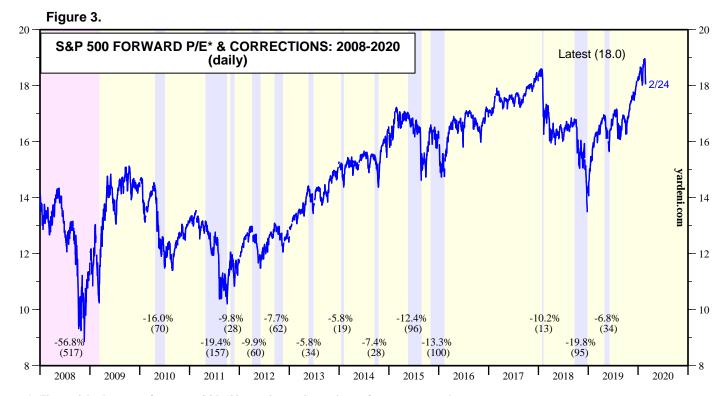


thinking outside the box



Note: Dotted lines show previous years' closing prices. Source: Standard & Poor's.

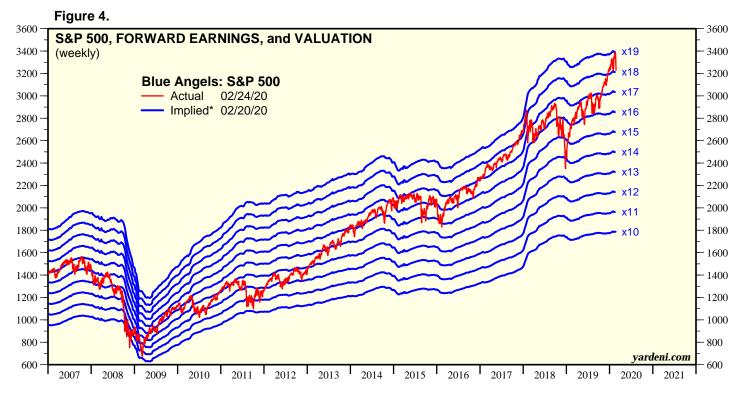




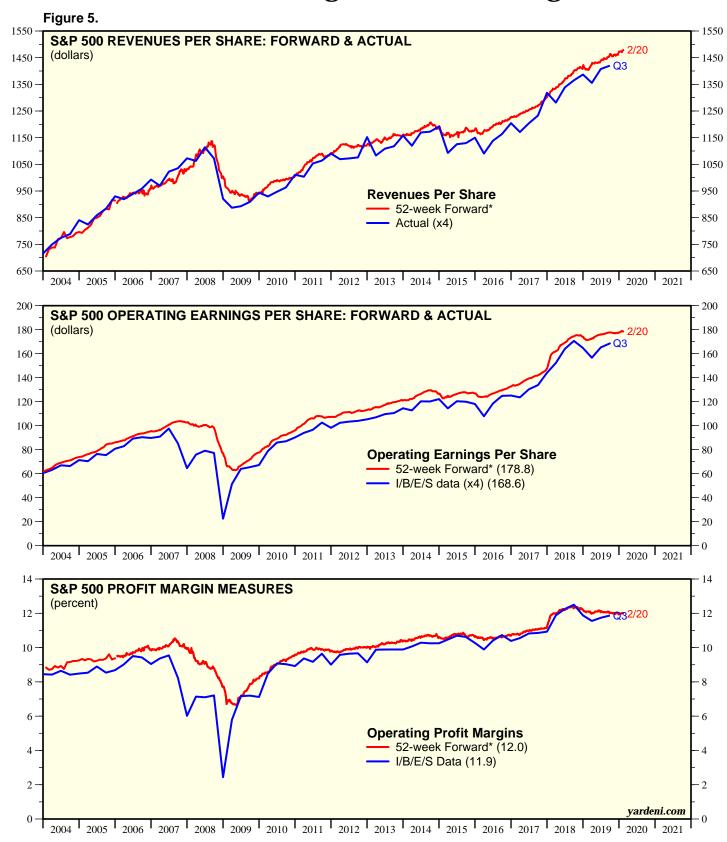
^{*} Time-weighted average of consensus S&P 500 operating earnings estimates for current year and next year.

Note: Numbers above time line show corrections (declines of 10% or more in the S&P 500) and minor selloffs (declines of 5%-10%). Bear markets are declines of 20% or more. Number of calendar days in parentheses

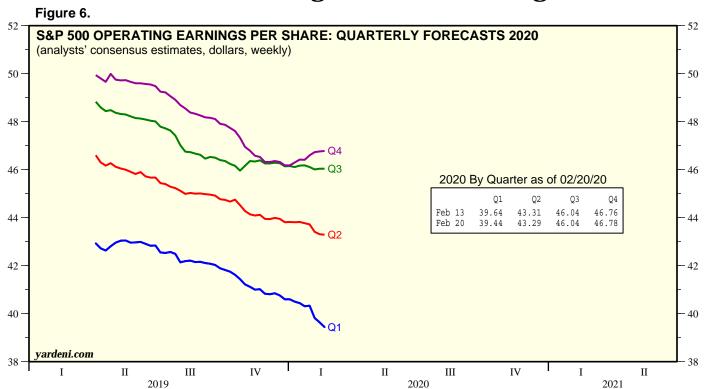
Source: Standard & Poor's.

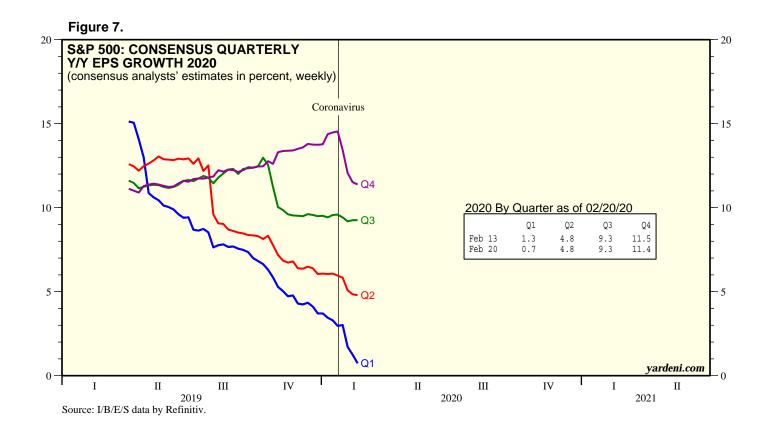


^{*} Implied price index calculated using forward earnings times forward P/Es. Weekly data start January 2007. Source: Standard & Poor's and I/B/E/S data by Refinitiv.

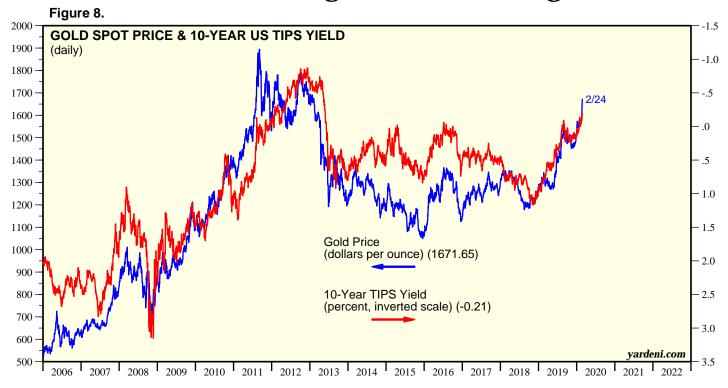


^{*} Time-weighted average of consensus estimates for current and next years. Source: Standard & Poor's and I/B/E/S data by Refinitiv.





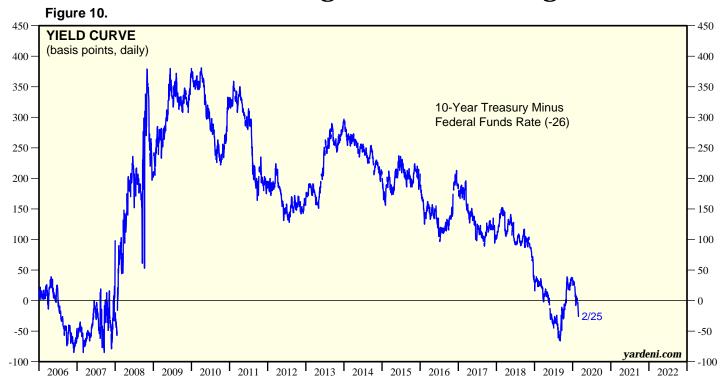
Source: I/B/E/S data by Refinitiv.



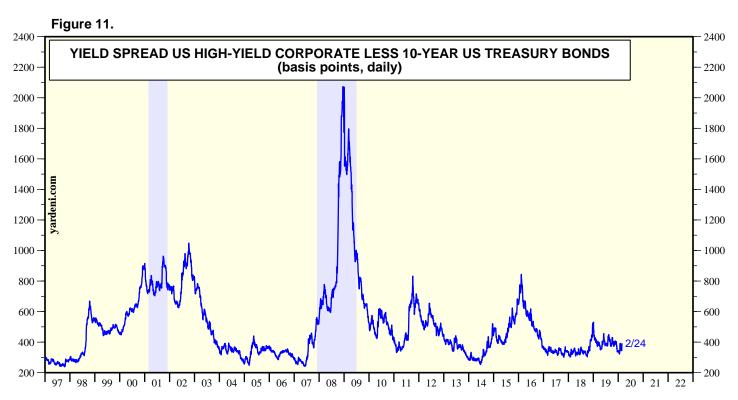
Source: Federal Reserve Board, Wall Street Journal, and Haver Analytics.



Source: Federal Reserve Board and Haver Analytics.

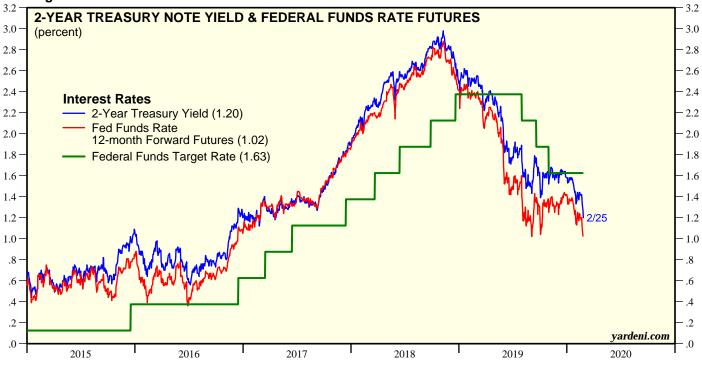


Source: Federal Reserve Board.



Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Source: Bank of America Merrill Lynch and Federal Reserve Board.





Source: US Treasury & Chicago Mercantile Exchange.

Figure 13.



Source: Federal Reserve Board.

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