Chart Collection for Morning Briefing

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February 12, 2018

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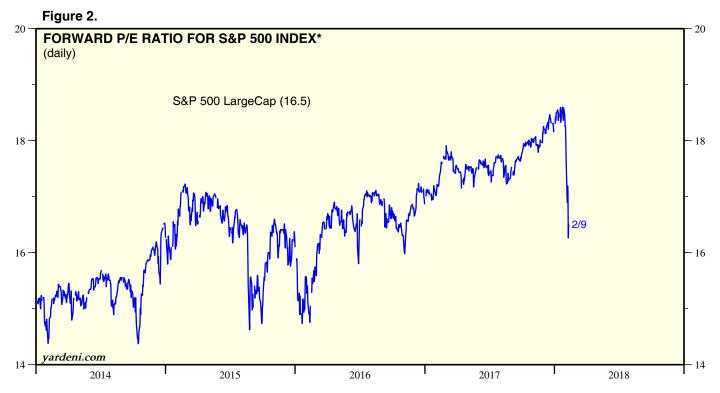
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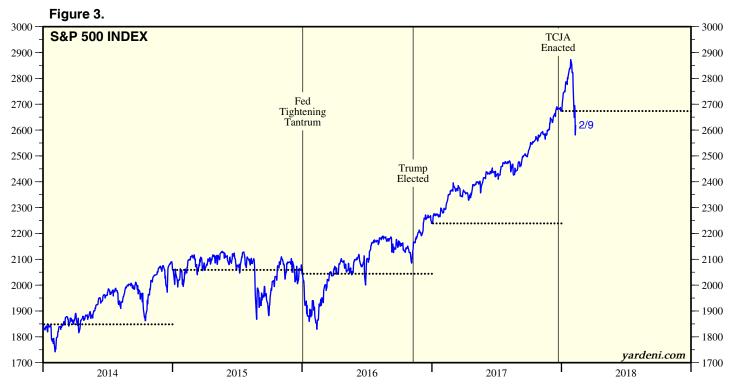
thinking outside the box



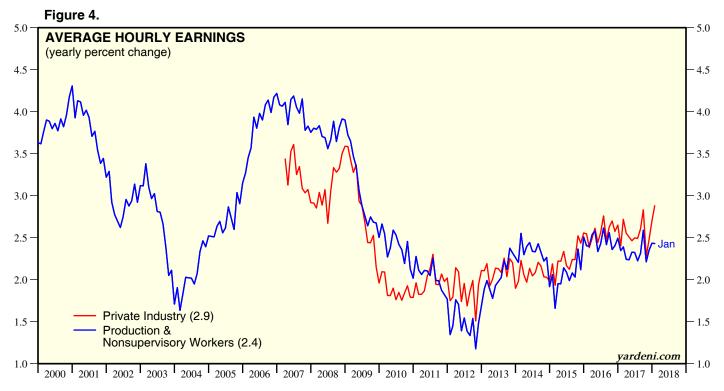
Note: Dotted lines show previous years' closing prices. Source: Standard & Poor's.



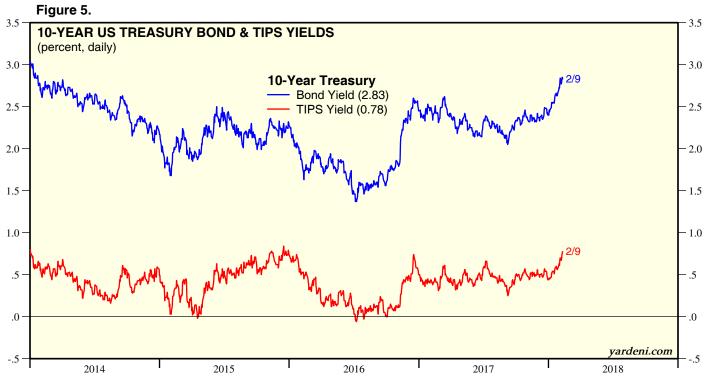
^{*} Price divided by 52-week forward consensus expected operating earnings per share. Source: Thomson Reuters I/B/E/S.



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



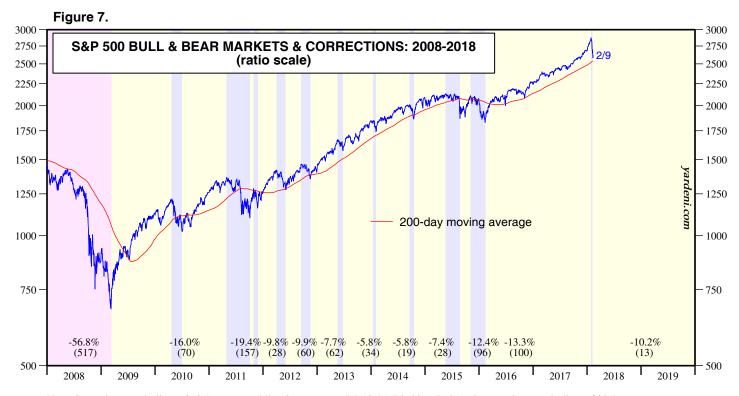
Source: Bureau of Labor Statistics.



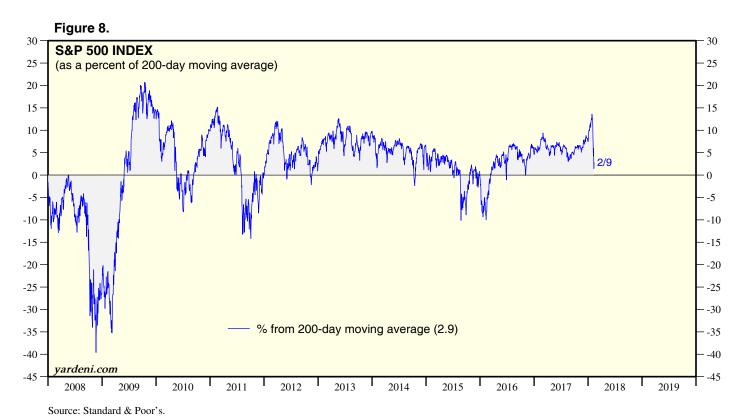
Source: Federal Reserve Board.

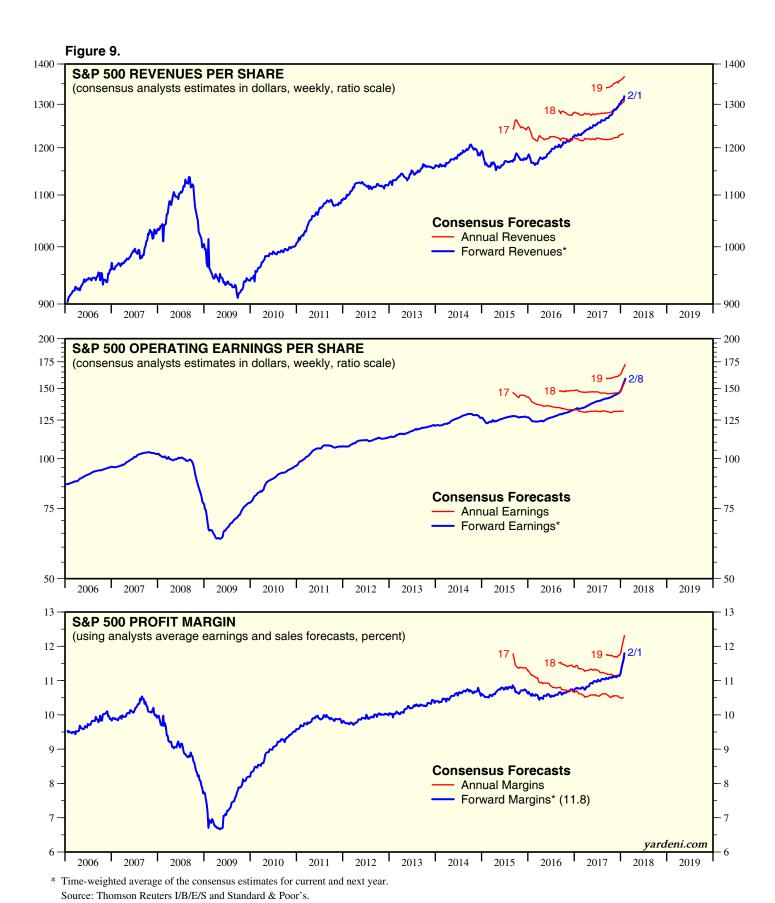


* Nominal minus TIPS yield. Source: Federal Reserve Board.

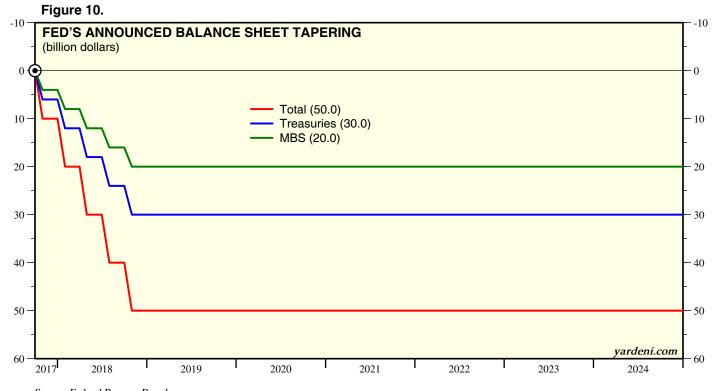


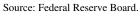
Note: Corrections are declines of 10% or more, while minor ones are 5%-10% (all in blue shades). Bear markets are declines of 20% or more (in red shades). Number of calendar days in parentheses. Source: Standard & Poor's.

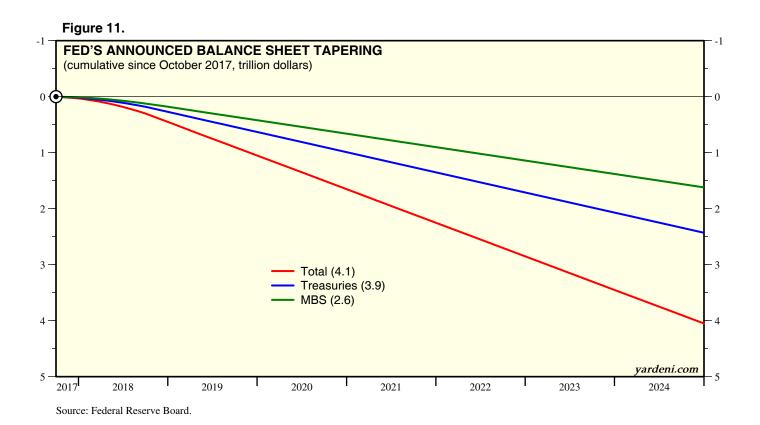


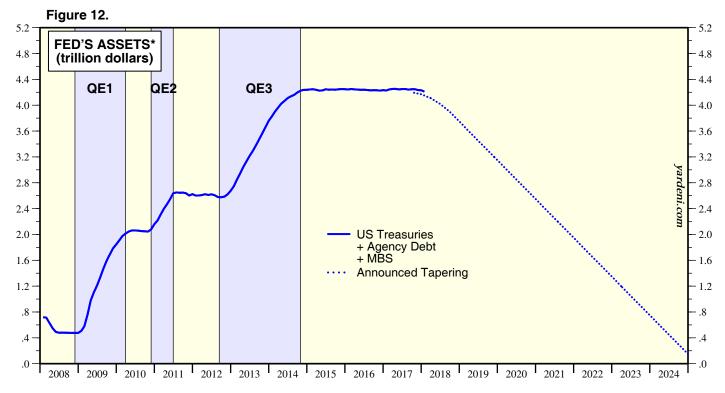


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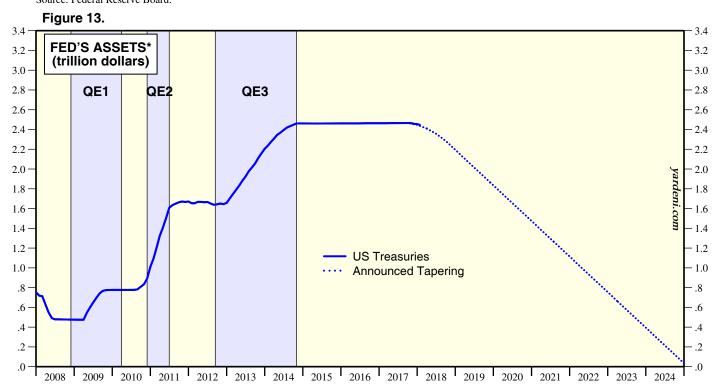
* Average of daily figures for weeks ending Wednesday.

Note: QE1 (11/25/08) = Fed starts buying \$1.24tn in mortgage securities. QE1 expanded (3/16/2009) = Fed starts buying \$300bn in Treasuries.

QE2 (11/3/10) = Fed starts buying \$600bn in Treasuries. QE3 (9/13/12) = Fed starts buying \$40bn/month in mortgage securities (open ended).

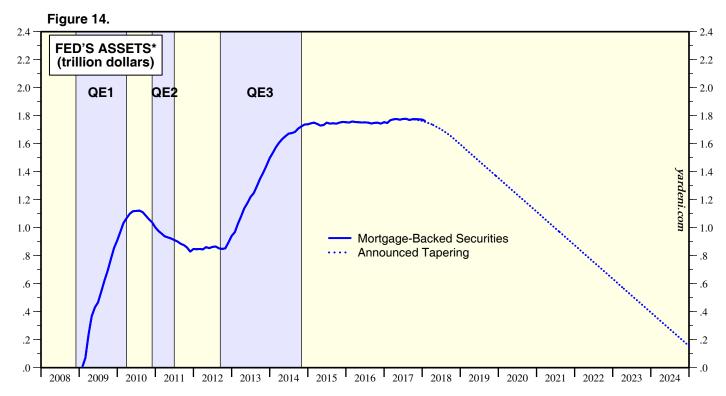
QE3 expanded (12/12/12) = Fed starts buying \$45bn/month in Treasuries.

Source: Federal Reserve Board.



Average of daily figures for weeks ending Wednesday.

Note: QE1 (11/25/08) = Fed starts buying \$1.24tn in mortgage securities. QE1 expanded (3/16/2009) = Fed starts buying \$300bn in Treasuries. QE2 (11/3/10) = Fed starts buying \$600bn in Treasuries. QE3 (9/13/12) = Fed starts buying \$40bn/month in mortgage securities (open ended). QE3 expanded (12/12/12) = Fed starts buying \$45bn/month in Treasuries. Source: Federal Reserve Board.



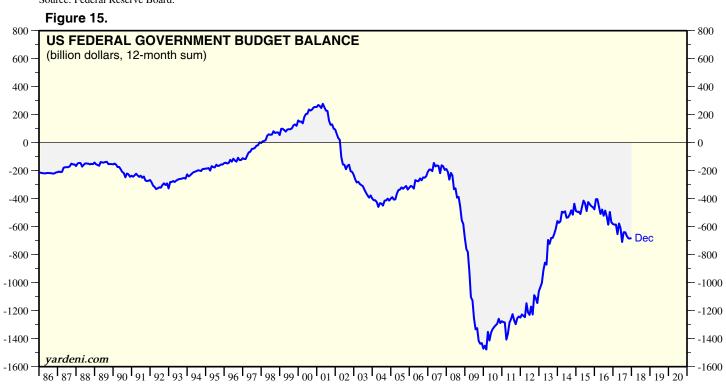
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Note: QE1 (11/25/08) = Fed starts buying \$1.24tn in mortgage securities. QE1 expanded (3/16/2009) = Fed starts buying \$300bn in Treasuries.

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QE3 expanded (12/12/12) = Fed starts buying \$45bn/month in Treasuries.

Source: Federal Reserve Board.



Source: US Treasury Department.

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