Chart Collection for Morning Briefing

Yardeni Research, Inc.

December 4, 2018

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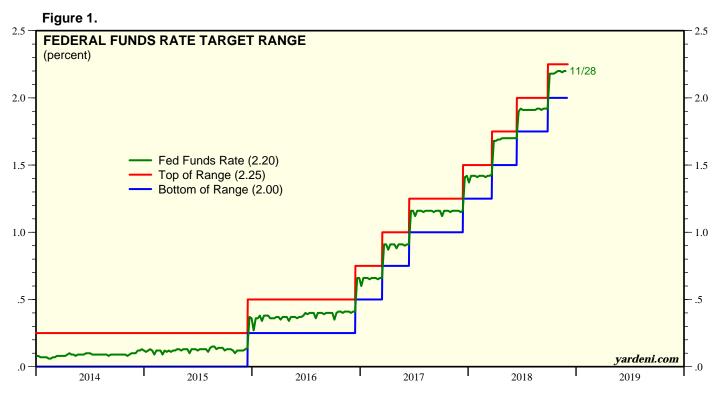
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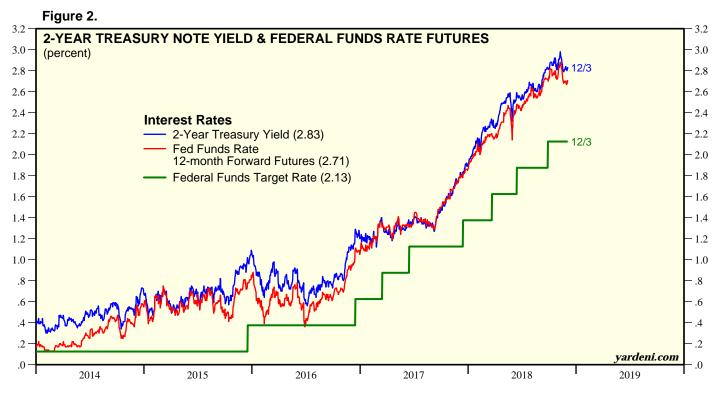
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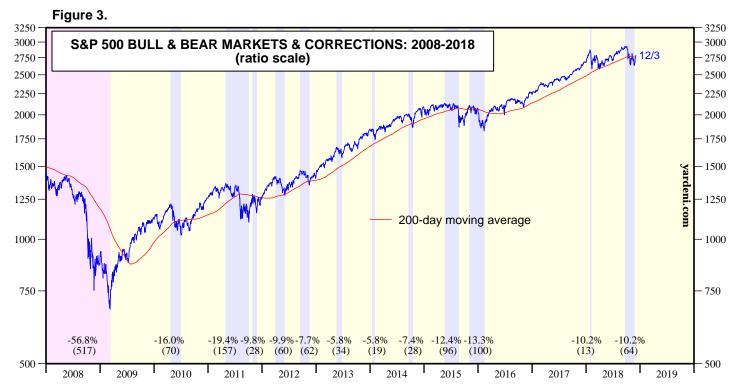
thinking outside the box



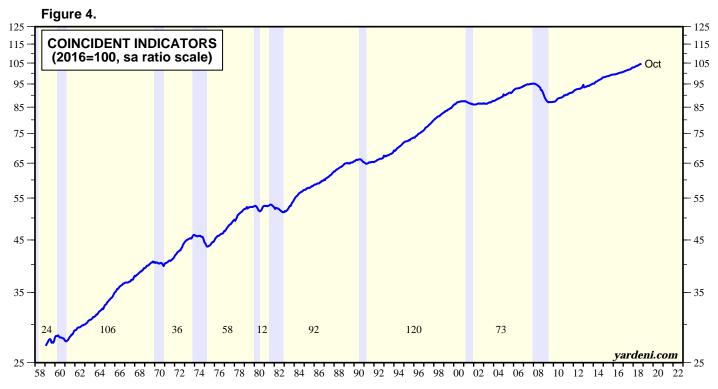




Source: US Treasury & Chicago Mercantile Exchange.

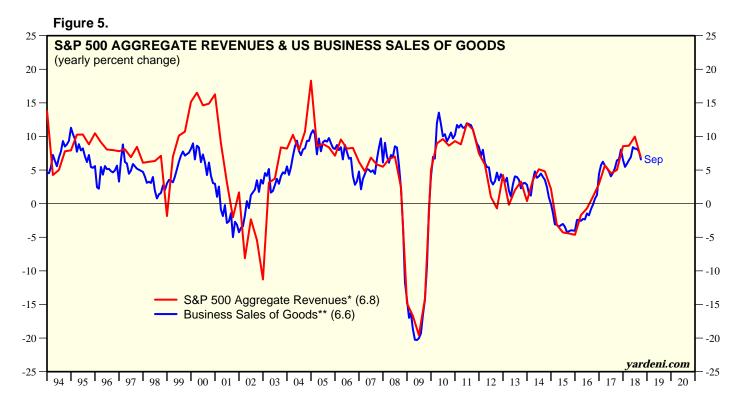


Note: Corrections are declines of 10% or more, while minor ones are 5%-10% (all in blue shades). Bear markets are declines of 20% or more (in red shades). Number of calendar days in parentheses. Source: Standard & Poor's.



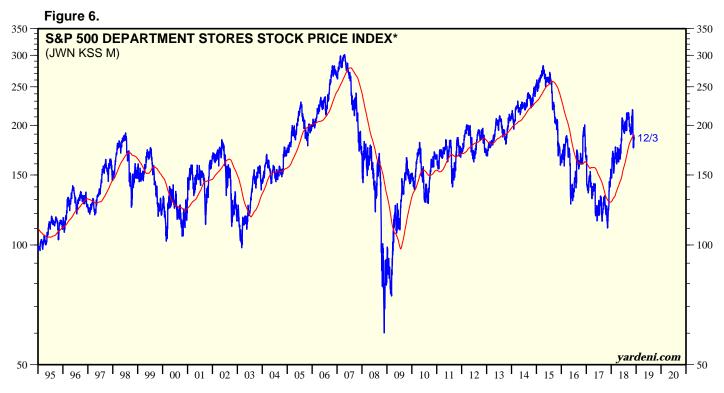
Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Numbers above time line reflect number of months of expansion.

Source: Bureau of Economic Analysis.



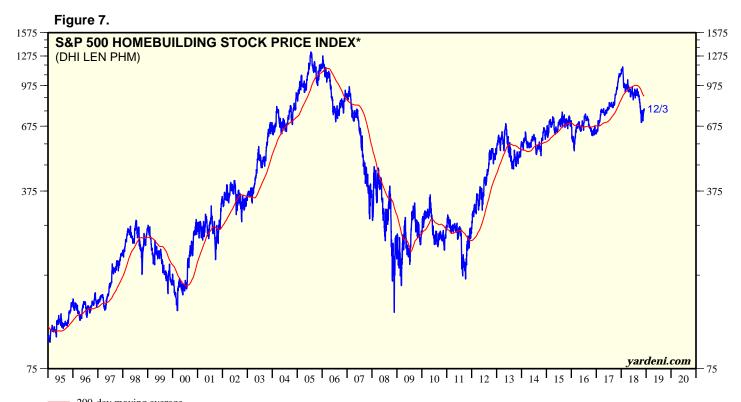
^{*} Revenues are derived by multiplying S&P 500 revenues per share by the S&P 500 divisor for each quarter.

** Manufacturing and trade sales. Source: Census Bureau and Standard & Poor's.

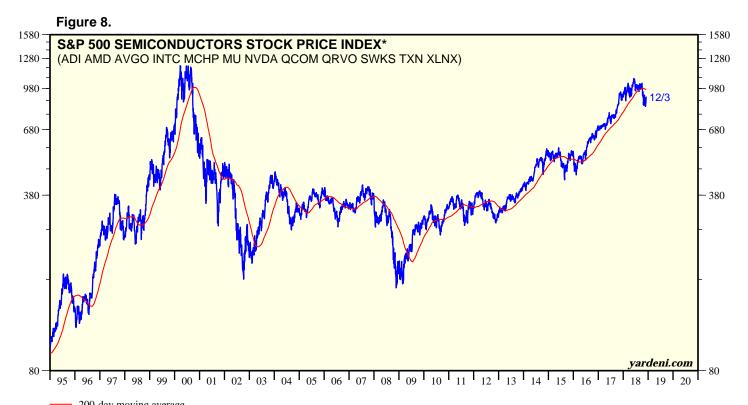


²⁰⁰⁻day moving average.

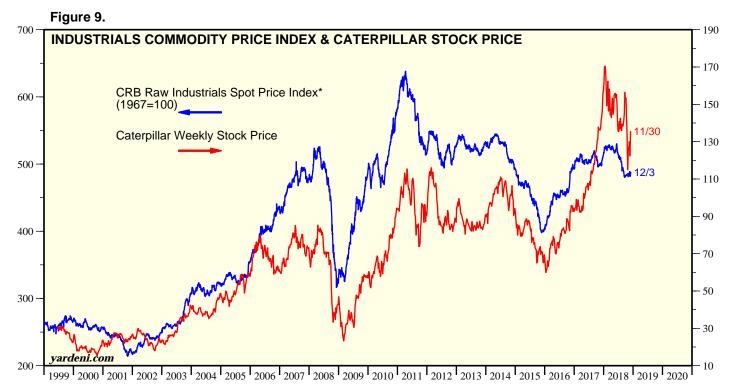
^{*} Ratio scale.
Source: Standard & Poor's and Haver Analytics.



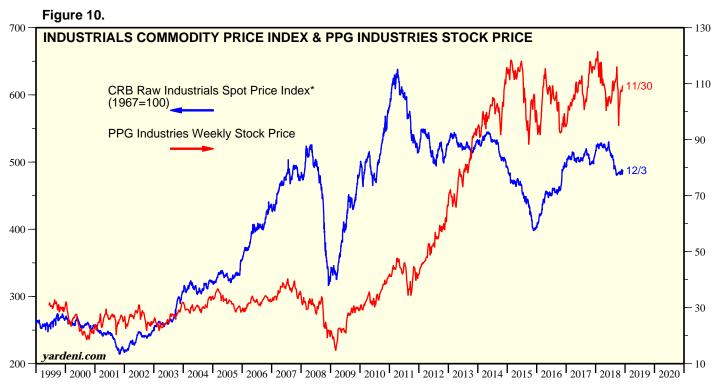
 ²⁰⁰⁻day moving average.
 Ratio scale.
 Source: Standard & Poor's and Haver Analytics.



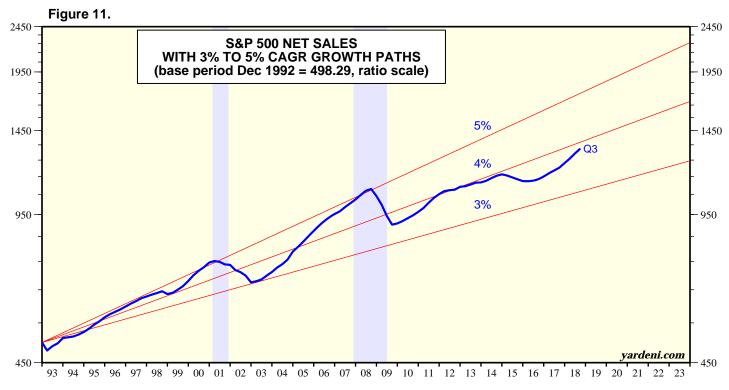
 ²⁰⁰⁻day moving average.
 Ratio scale.
 Source: Standard & Poor's and Haver Analytics.



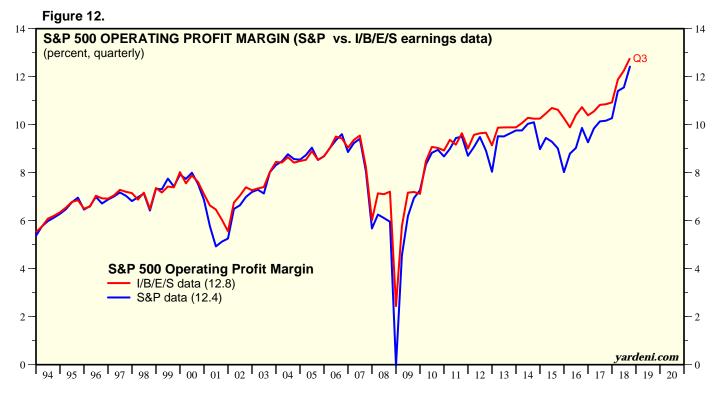
^{*} Includes copper scrap, lead scrap, steel scrap, tin, zinc, burlap, cotton, print cloth, wool tops, hides, rosin, rubber, and tallow. Source: Haver Analytics and Thomson Reuters I/B/E/S.



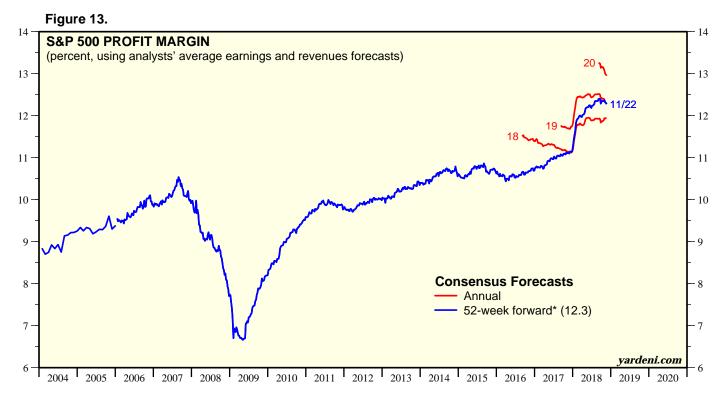
^{*} Includes copper scrap, lead scrap, steel scrap, tin, zinc, burlap, cotton, print cloth, wool tops, hides, rosin, rubber, and tallow. Source: Haver Analytics and Thomson Reuters I/B/E/S.



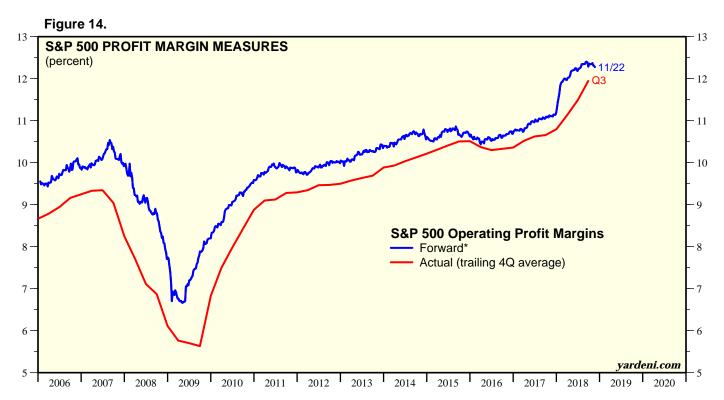
Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Source: Standard & Poor's.



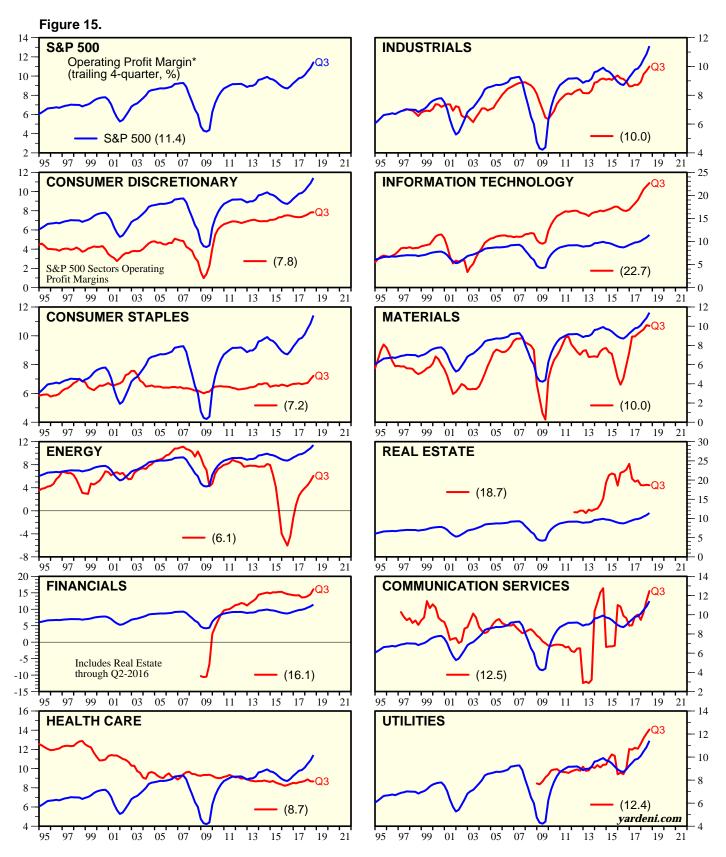
Source: Standard & Poor's (revenues and operating EPS) and I/B/E/S data by Refinitiv (operating EPS).



^{*} Time-weighted average of the consensus estimates for current year and next year. Monthly through December 2005, then weekly. Source: I/B/E/S data by Refinitiv.



^{*} Forward earnings divided by forward revenues. Source: I/B/E/S data by Refinitiv and Standard & Poor's.



^{*} Operating margin in percent and based on trailing 4-quarter EPS and sales. Source: Standard & Poor's.

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