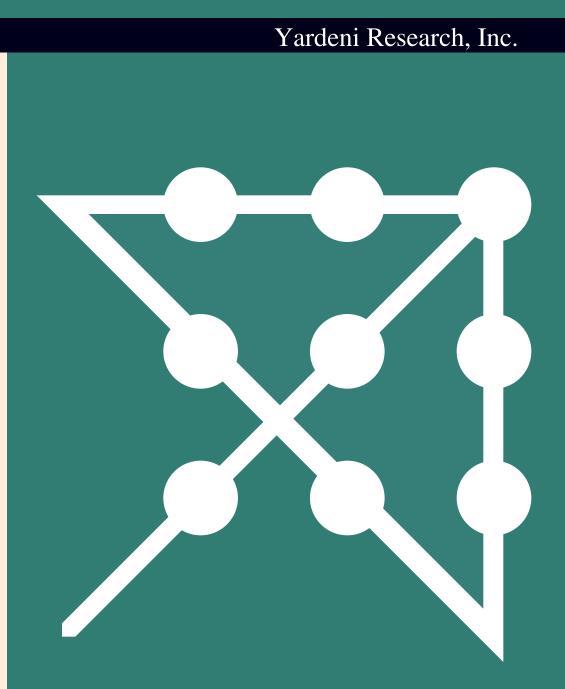
## Chart Collection for Morning Briefing



thinking outside the box

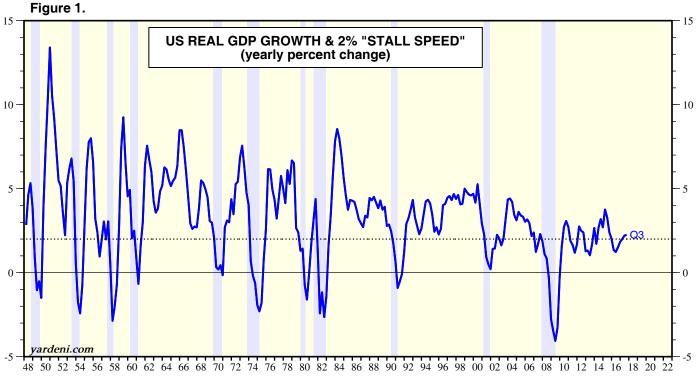
November 16, 2017

## Dr. Edward Yardeni

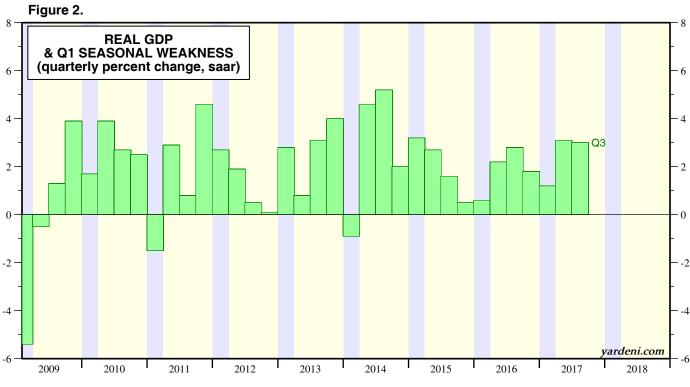
516-972-7683 eyardeni@yardeni.com

## Mali Quintana 480-664-1333 aquintana@yardeni.com

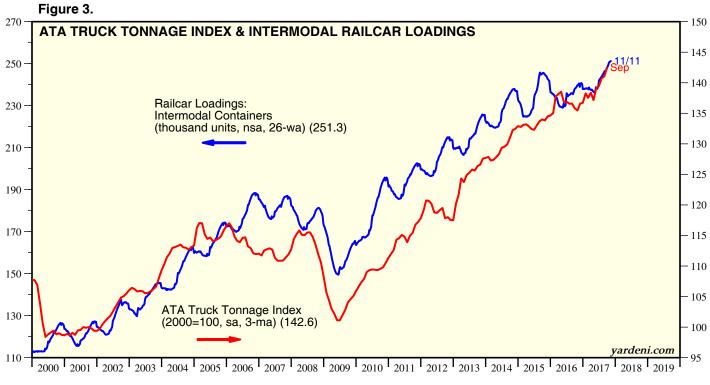
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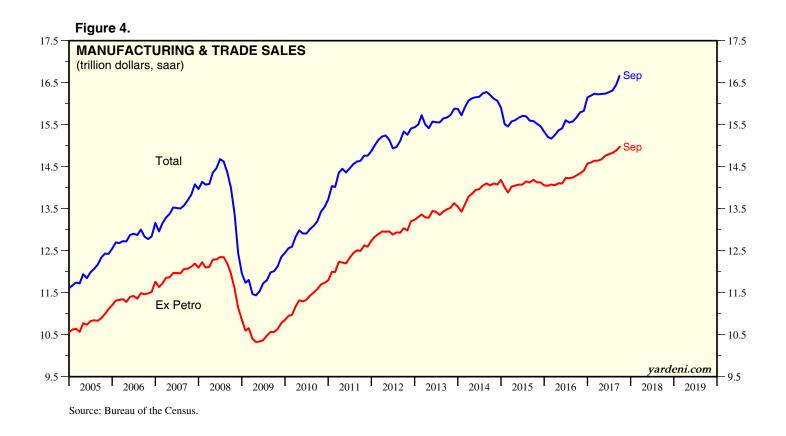
Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Dotted line is 2% "stall speed." Source: Bureau of Economic Analysis.

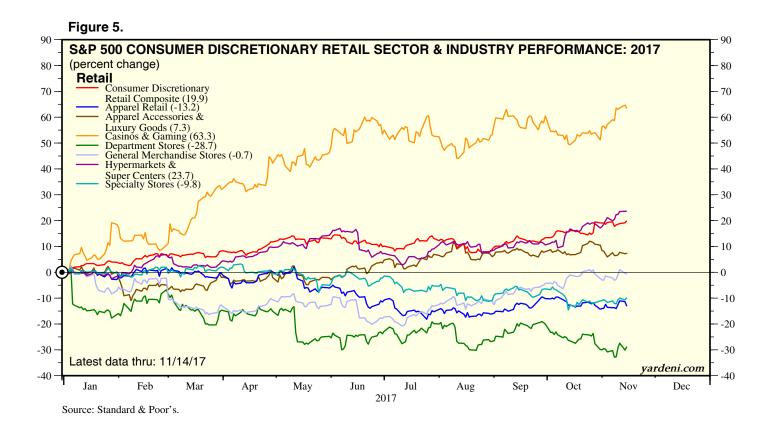


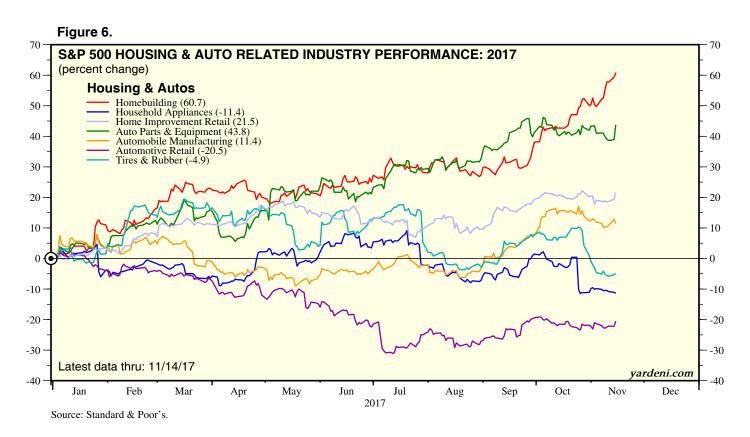
Note: Blue shaded areas denote first quarter of each year. Source: Bureau of Economic Analysis.

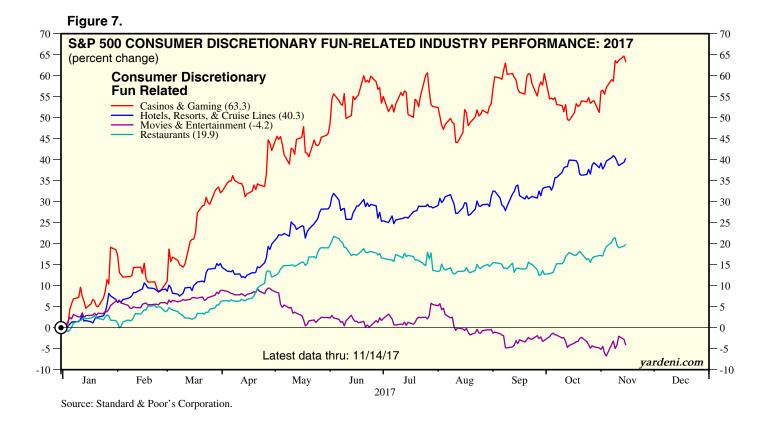


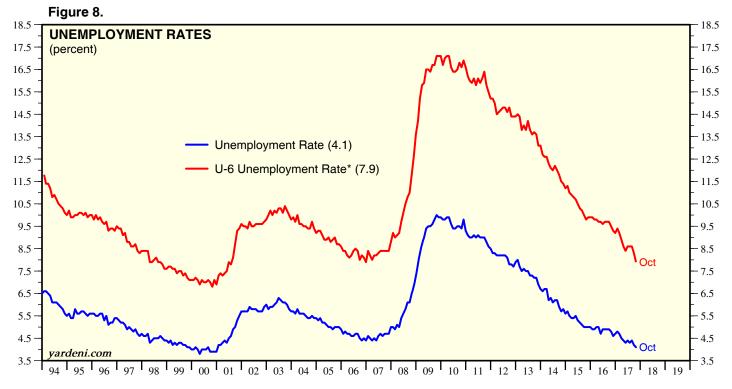
Source: American Trucking Association and Atlantic Systems.



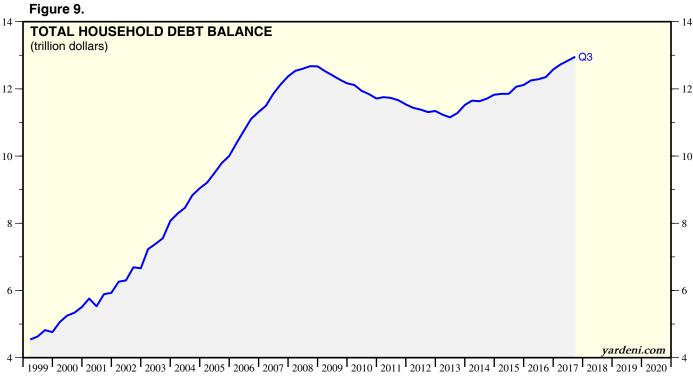




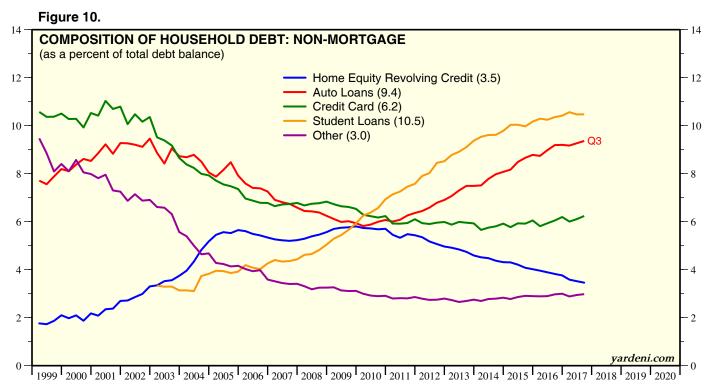




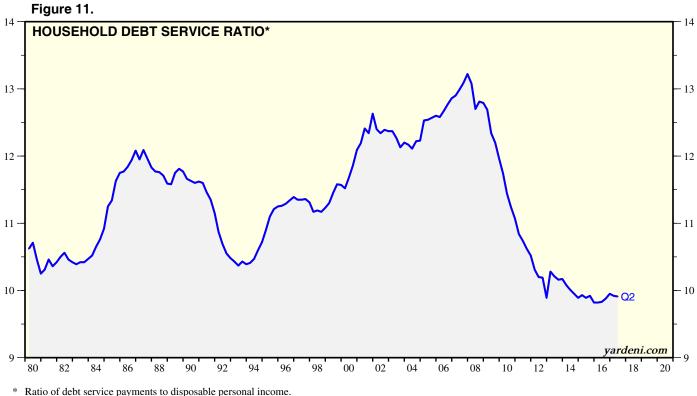
\* Total unemployed, plus all persons marginally attached to the labor force, plus total employed part time for economic reasons, as a percent of the civilian labor force plus all persons marginally attached to the labor force. Source: Bureau of Labor Statistics.



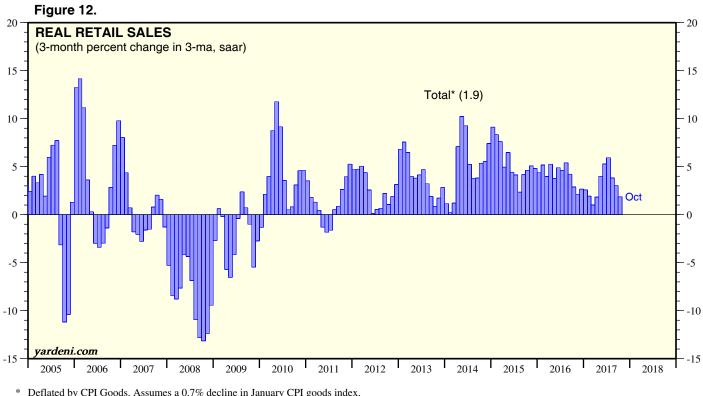
Source: New York Fed Credit Panel.



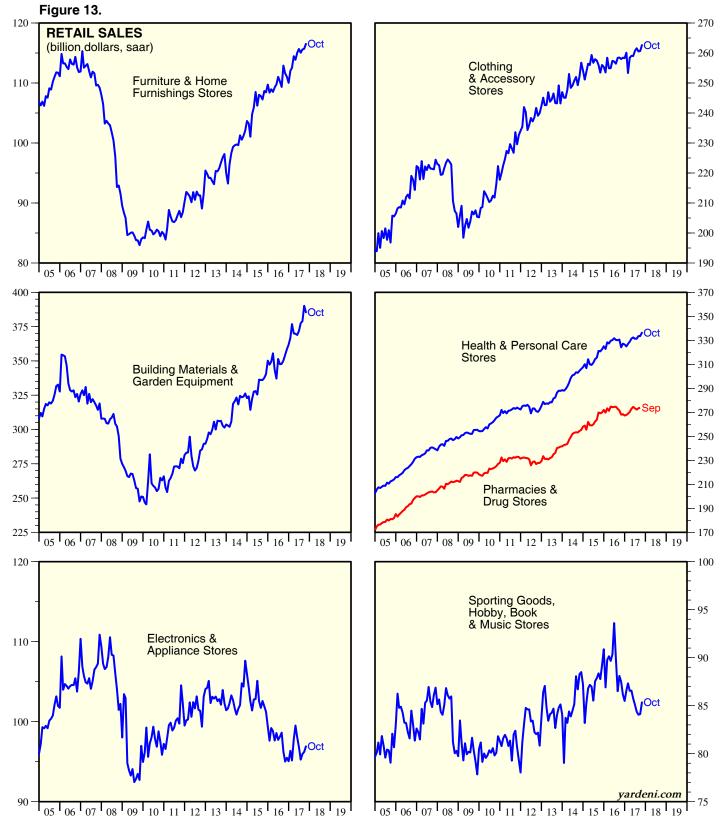
Source: New York Fed Credit Panel.



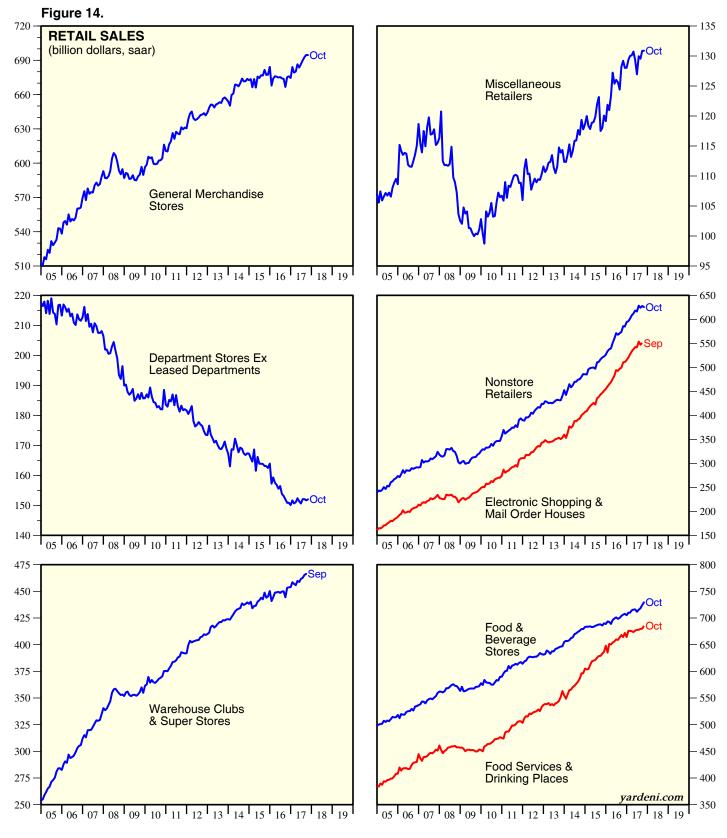
Ratio of debt service payments to disposable personal income. Source: Federal Reserve Board.



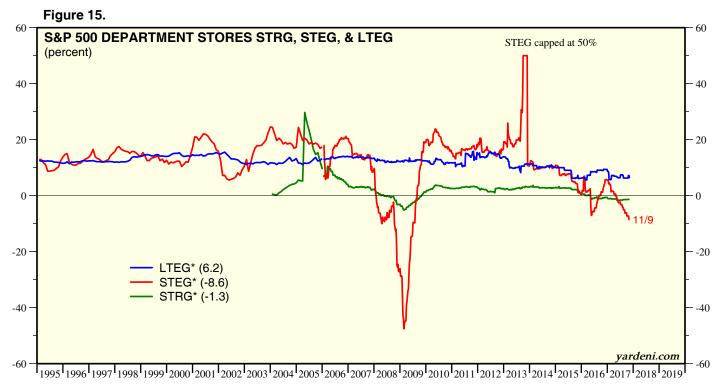
Deflated by CPI Goods. Assumes a 0.7% decline in January CPI goods index. Source: Census Bureau and Bureau of Labor Statistics.



Source: US Department of Commerce, Bureau of the Census.

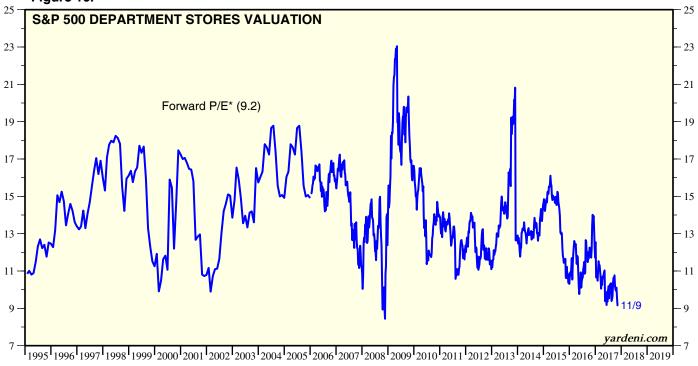


Source: US Department of Commerce, Bureau of the Census.



Note: STEG is year-ahead forward consensus expected short-term earnings growth. STRG is year-ahead forward consensus expected short-term revenue growth. LTEG is five-year consensus expected long-term earnings growth. Monthly data through 2005, weekly thereafter. Source: Thomson Reuters I/B/E/S.

## Figure 16.



\* Price divided by forward consensus expected earnings per share. Monthly through December 2005, then weekly. Source: Thomson Reuters I/B/E/S.

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