Chart Collection for Morning Briefing

Yardeni Research, Inc.

August 22, 2019

Dr. Edward Yardeni

516-972-7683 eyardeni@yardeni.com

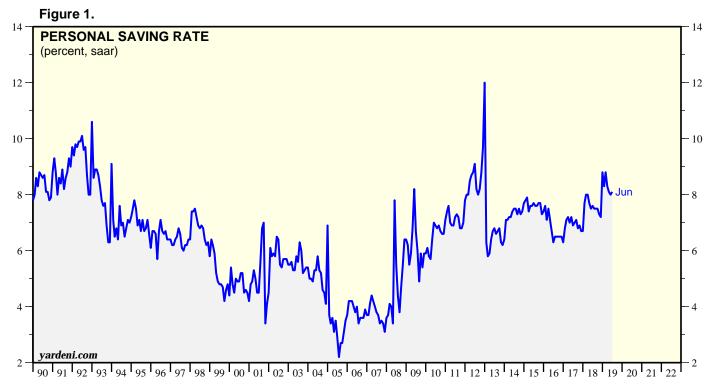
Mali Quintana

480-664-1333 aquintana@yardeni.com

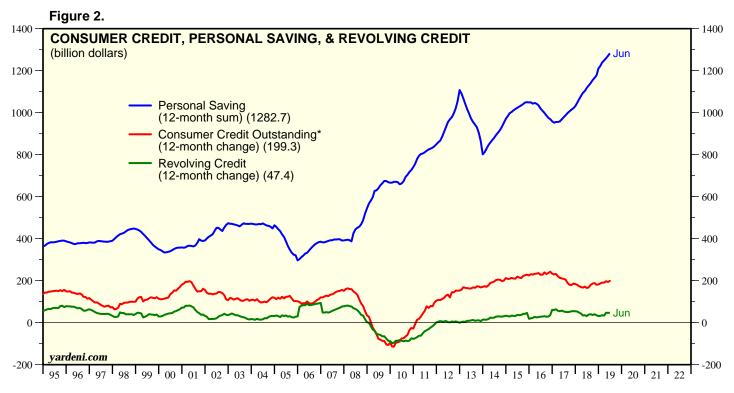
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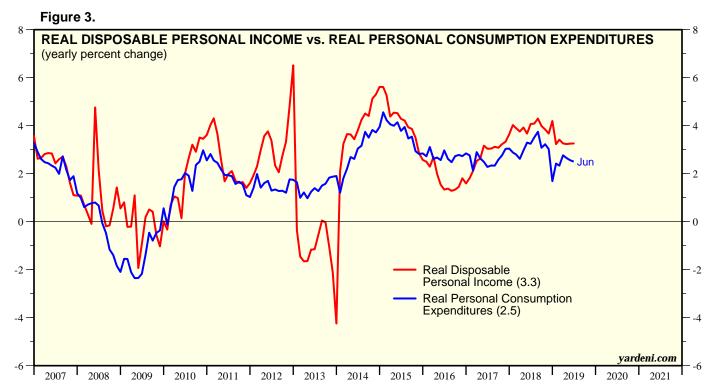
thinking outside the box



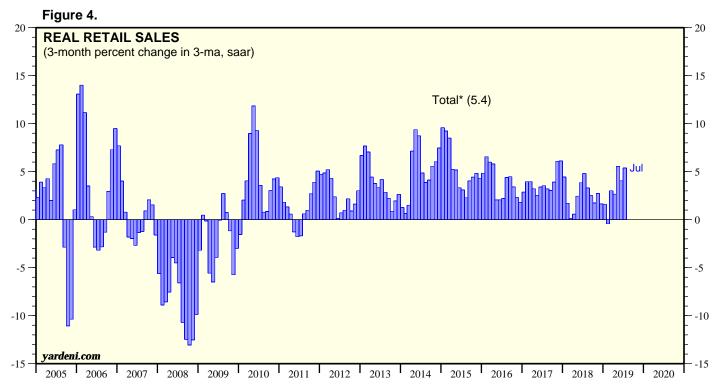
Source: Bureau of Economic Analysis and Haver Analytics.



^{*} Break-adjusted level series are calculated by Haver Analytics using the level data and the break-adjusted percent changes reported by the FRB. Source: Federal Reserve Board and Bureau of Economic Analysis.

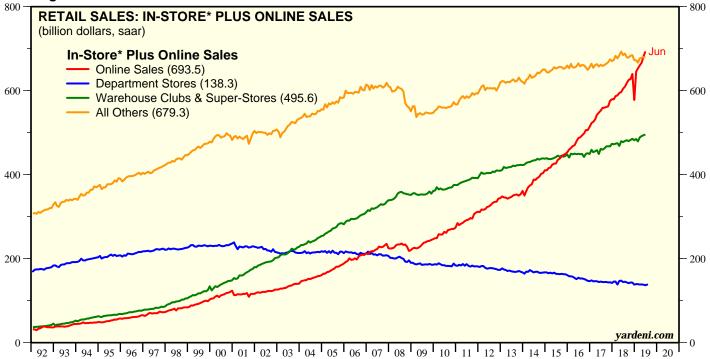


Source: US Department of Labor, Bureau of Labor Statistics.



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

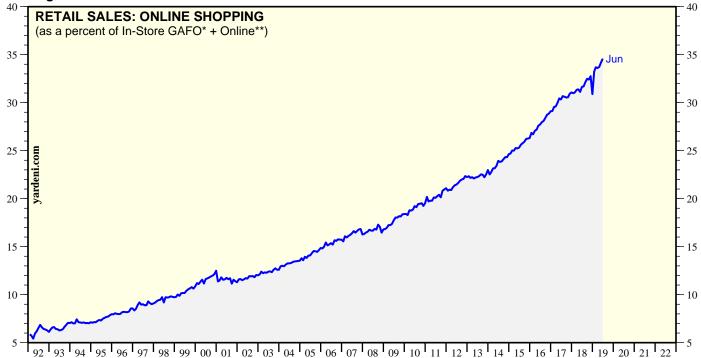




* GAFO (general merchandise, apparel and accessories, furniture, and other sales) includes retailers that specialize in department-store types of merchandise such as furniture & home furnishings, electronics & appliances, clothing & accessories, sporting goods, hobby, book, and music, general merchandise, office supply, stationery, and gift stores.

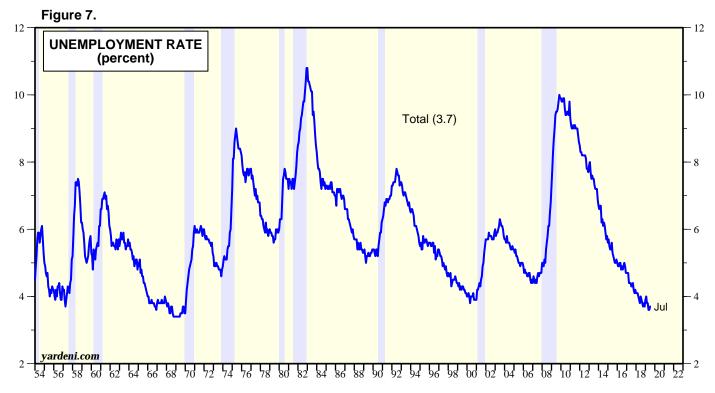
Source: Census Bureau and Haver Analytics.



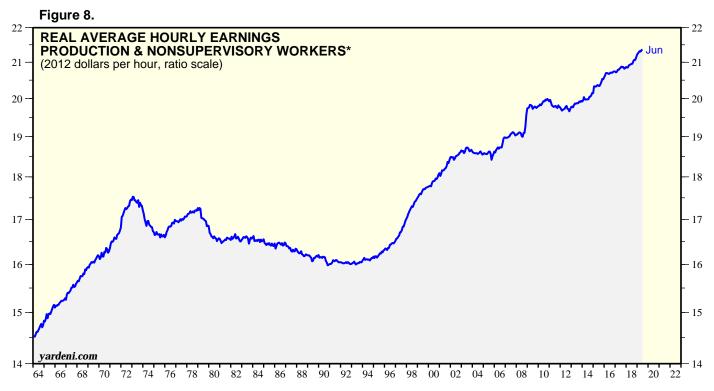


^{*} GAFO (general merchandise, apparel and accessories, furniture, and other sales) includes retailers that specialize in department-store types of merchandise such as furniture & home furnishings, electronics & appliances, clothing & accessories, sporting goods, hobby, book, and music, general merchandise, office supply, stationery, and gift stores.

** Electronic shopping and mail order houses. Source: Census Bureau and Haver Analytics.



Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Source: Bureau of Labor Statistics.

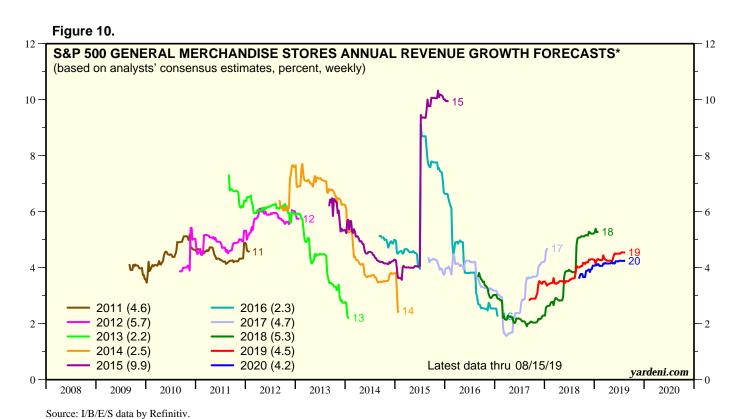


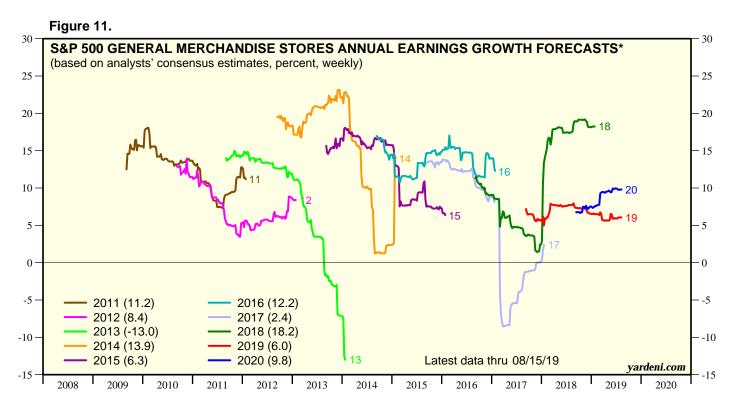
Average hourly earnings deflated by personal consumption expenditures deflator.
 Source: Bureau of Labor Statistics, Bureau of Economic Analysis, and Haver Analytics.



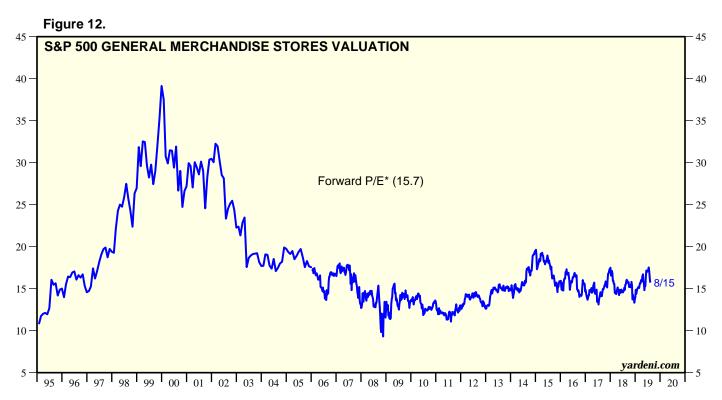
²⁰⁰⁻day moving average.* Ratio scale.

Source: Standard & Poor's and Haver Analytics.

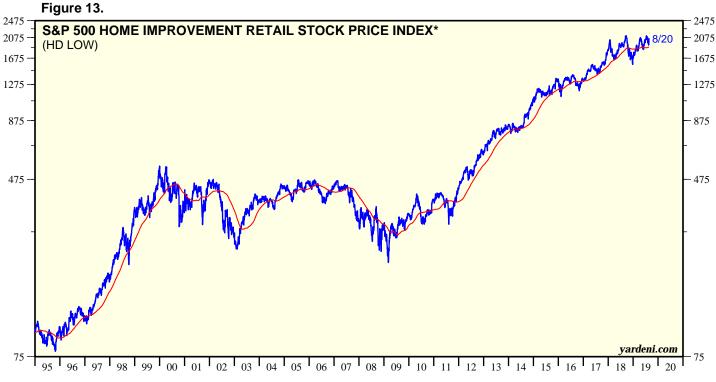




Source: I/B/E/S data by Refinitiv.

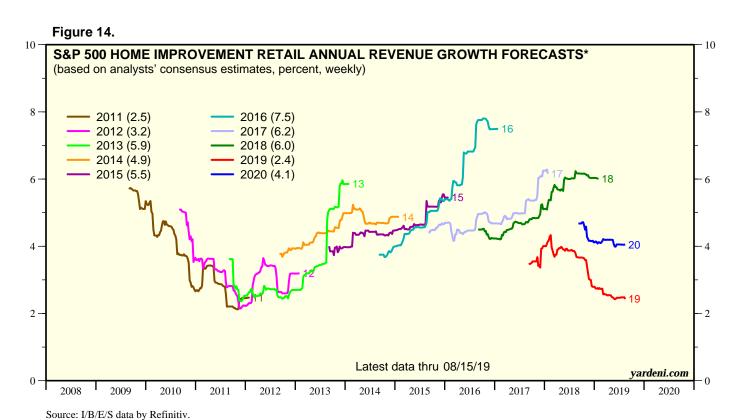


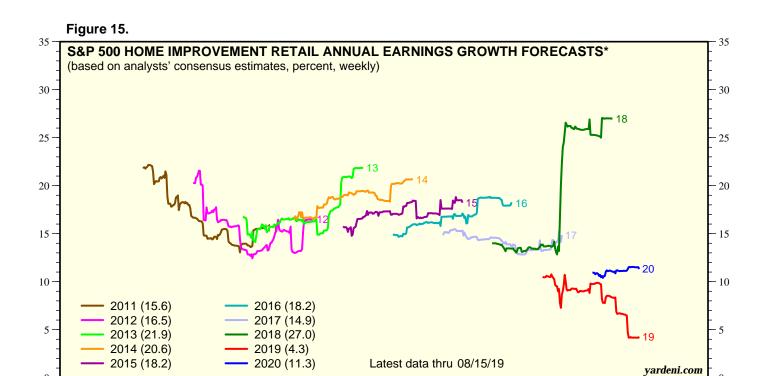
^{*} Price divided by forward consensus expected earnings per share. Monthly through December 2005, then weekly. Source: I/B/E/S data by Refinitiv.



____ 200-day moving average.

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





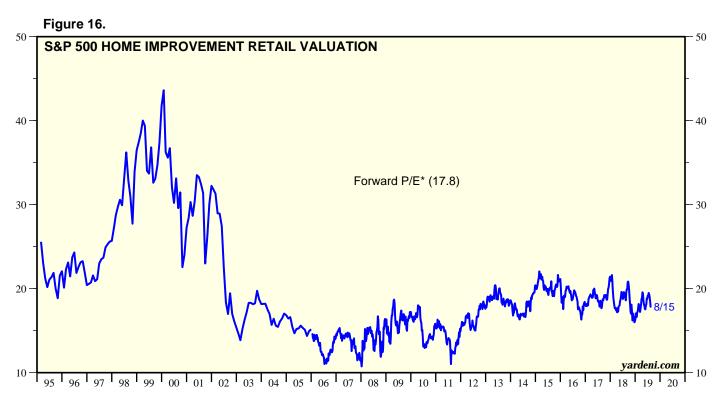
2014

2015

2016

2012

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



^{*} Price divided by forward consensus expected operating earnings per share. Source: I/B/E/S data by Refinitiv.

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