## **Chart Collection for Morning Briefing**

Yardeni Research, Inc.

November 14, 2019

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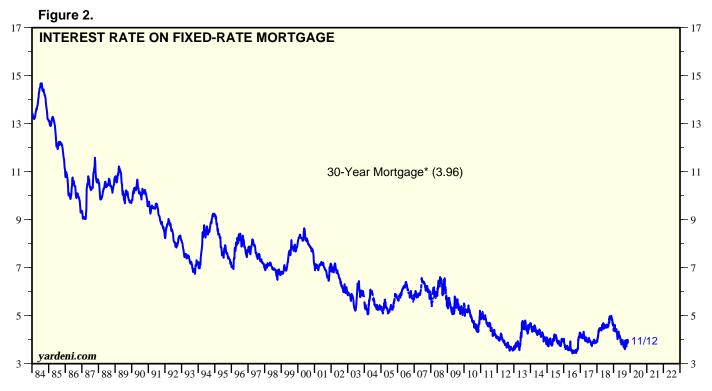
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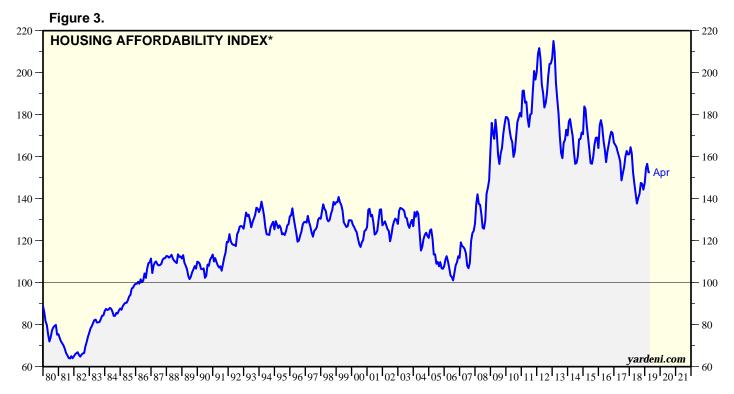
thinking outside the box



Source: National Association of Realtors.

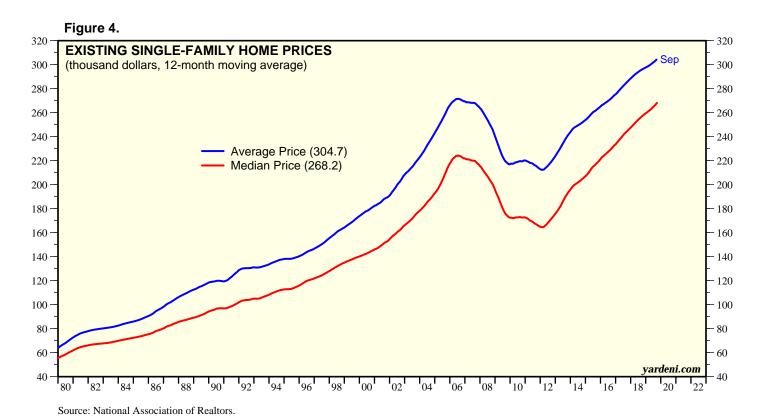


<sup>\*</sup> Average conventional 30-year commitment rate. Weekly data thru December 2003, daily thereafter. Source: FHLMC Primary Mortgage Market Survey.



\* Index=100 when median family income qualifies for an 80% mortgage on a median priced existing single-family home. Rising index indicates more buyers can afford to enter market.

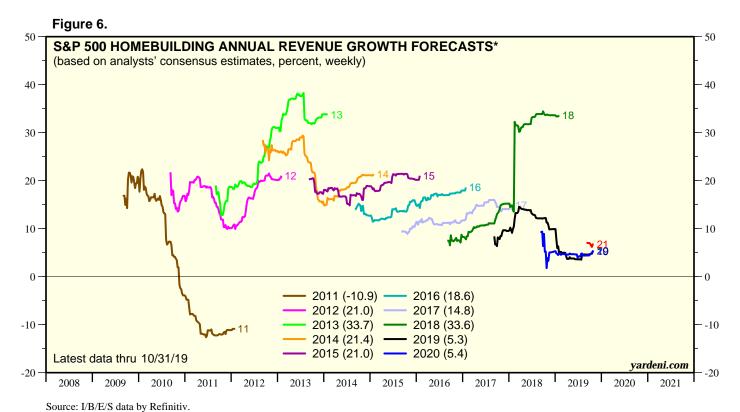
Source: National Association of Realtors.





<sup>\*</sup> Ratio scale.

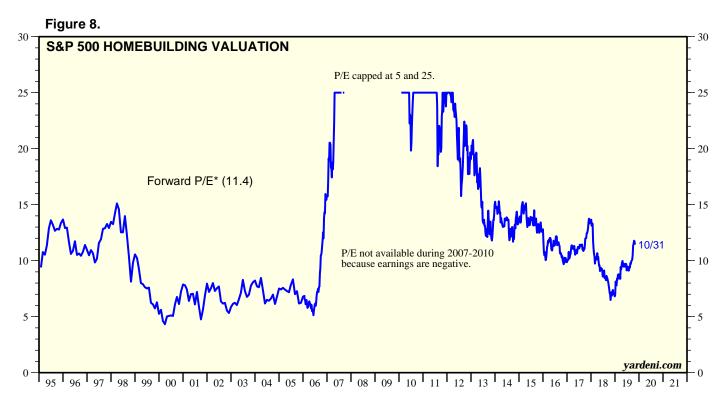
Source: Standard & Poor's and Haver Analytics.



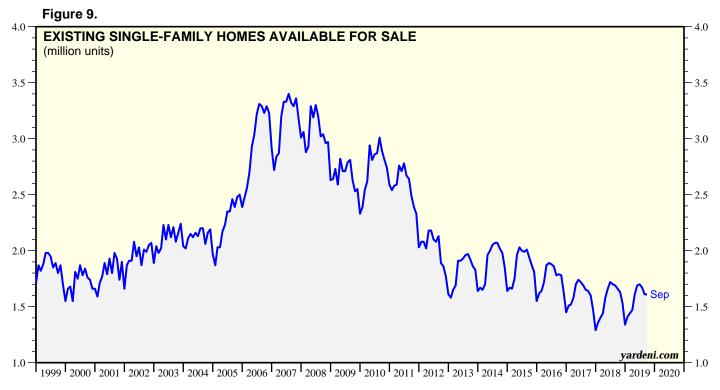




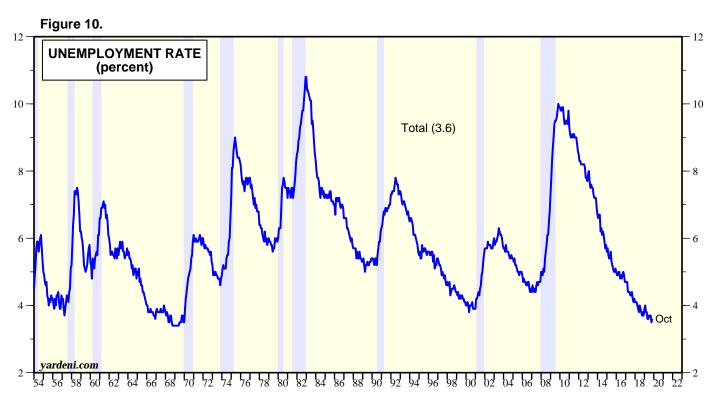
Source: I/B/E/S data by Refinitiv.



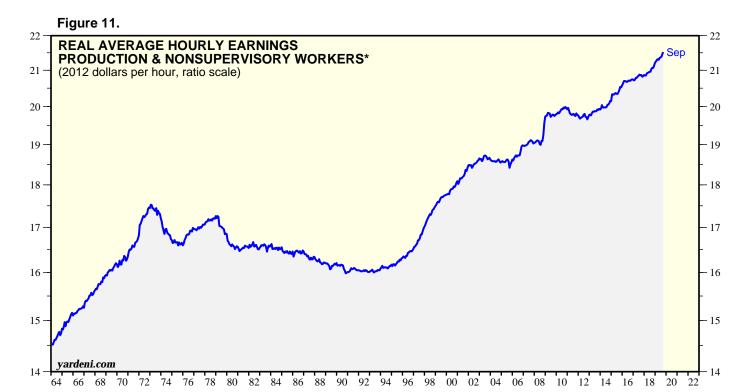
<sup>\*</sup> Price divided by forward consensus expected operating earnings per share. Source: I/B/E/S data by Refinitiv.



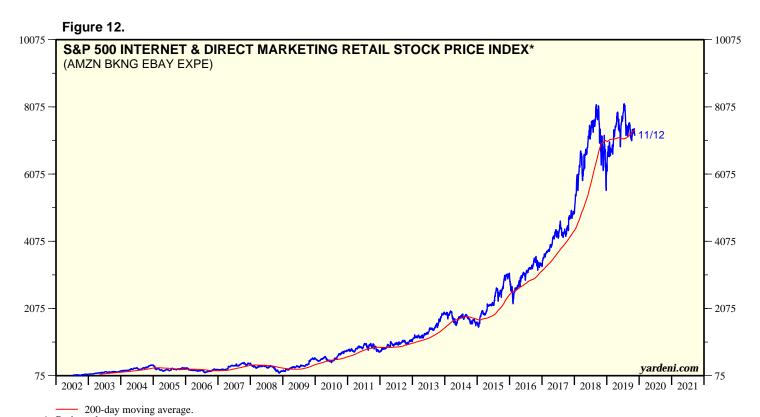
Source: National Association of Realtors.



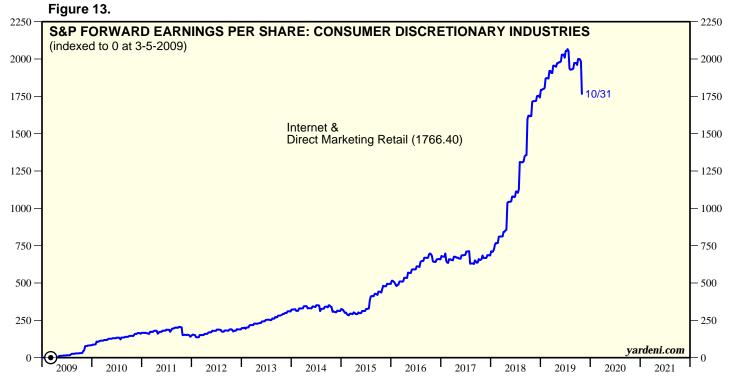
Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Source: Bureau of Labor Statistics.



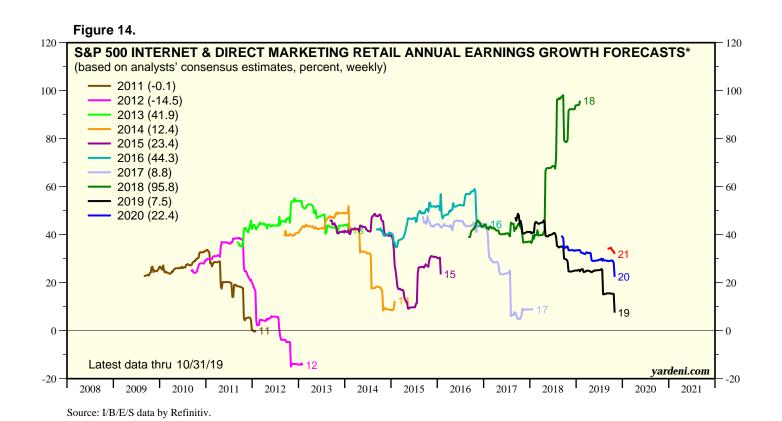
\* Average hourly earnings deflated by personal consumption expenditures deflator. Source: Bureau of Labor Statistics, Bureau of Economic Analysis, and Haver Analytics.



<sup>\*</sup> Ratio scale.
Source: Standard & Poor's and Haver Analytics.

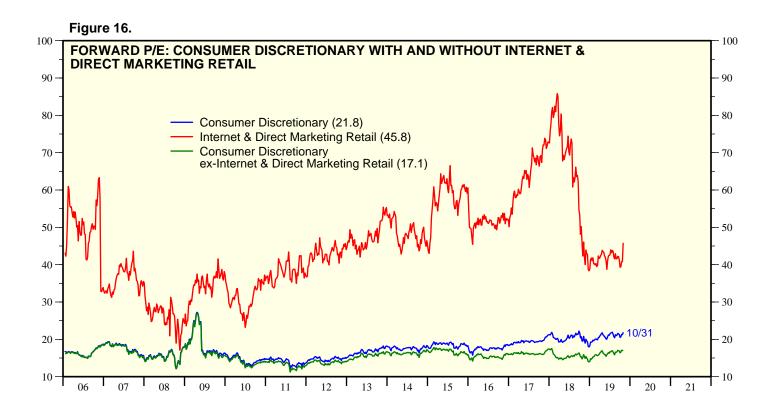


<sup>\*</sup> Time-weighted average of the consensus estimates for current year and next year. Source: I/B/E/S data by Refinitiv.





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



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