Chart Collection for Morning Briefing

Yardeni Research, Inc.

August 1, 2018

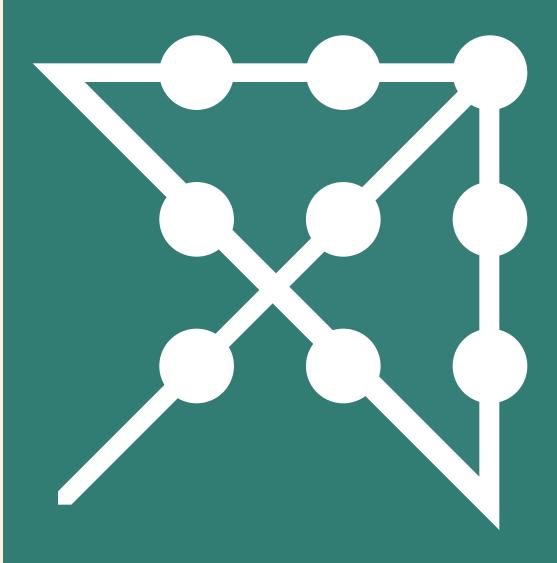
Dr. Edward Yardeni

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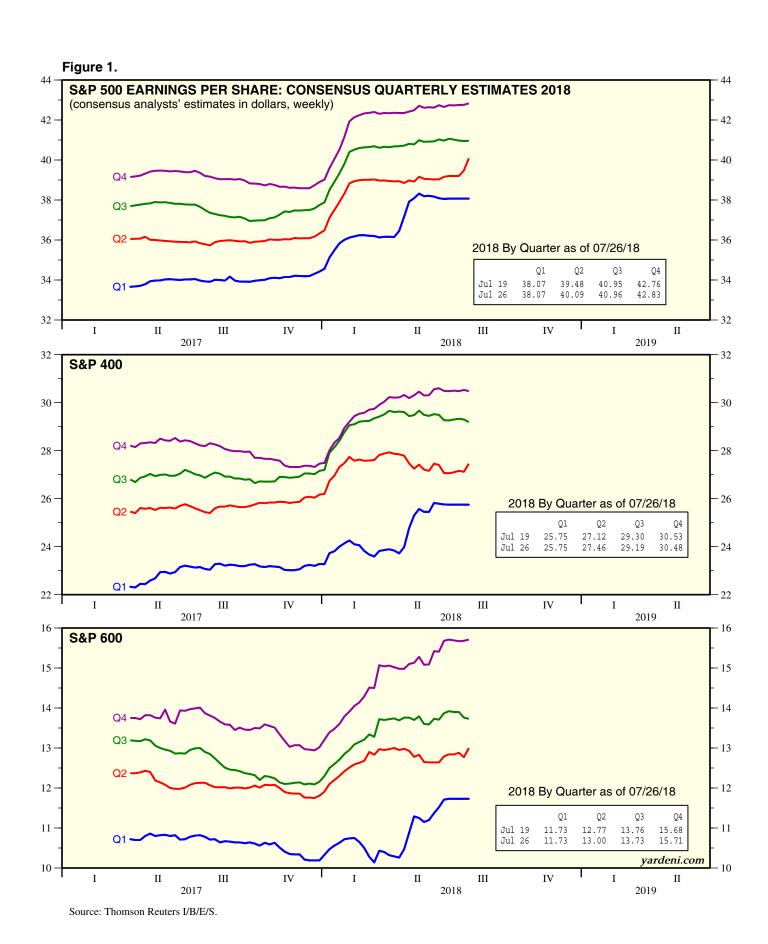
Mali Quintana

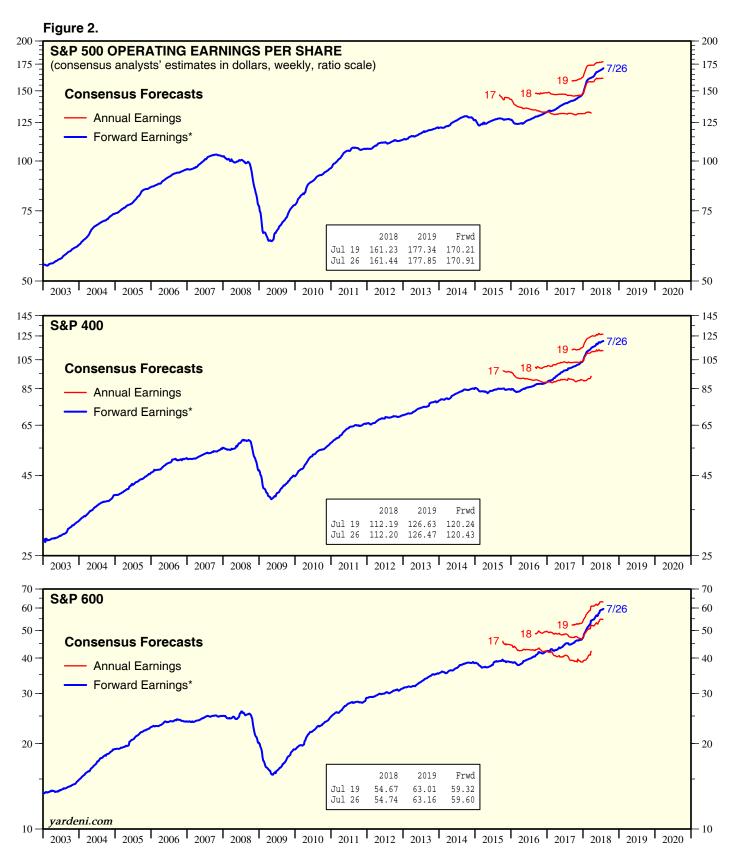
480-664-1333 aquintana@yardeni.com

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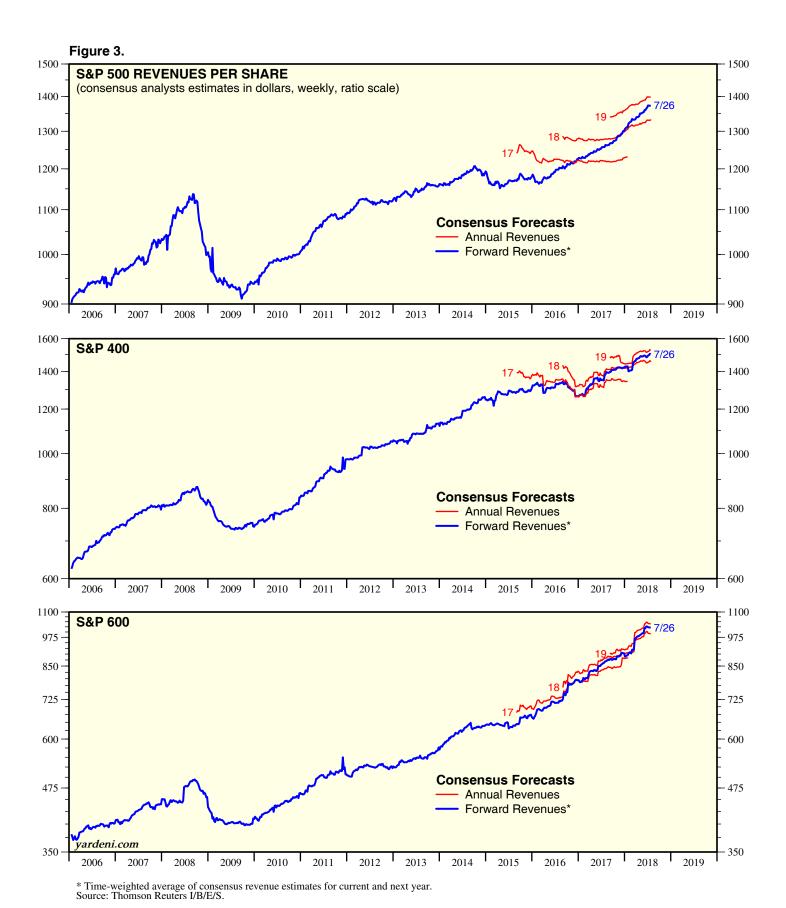


thinking outside the box

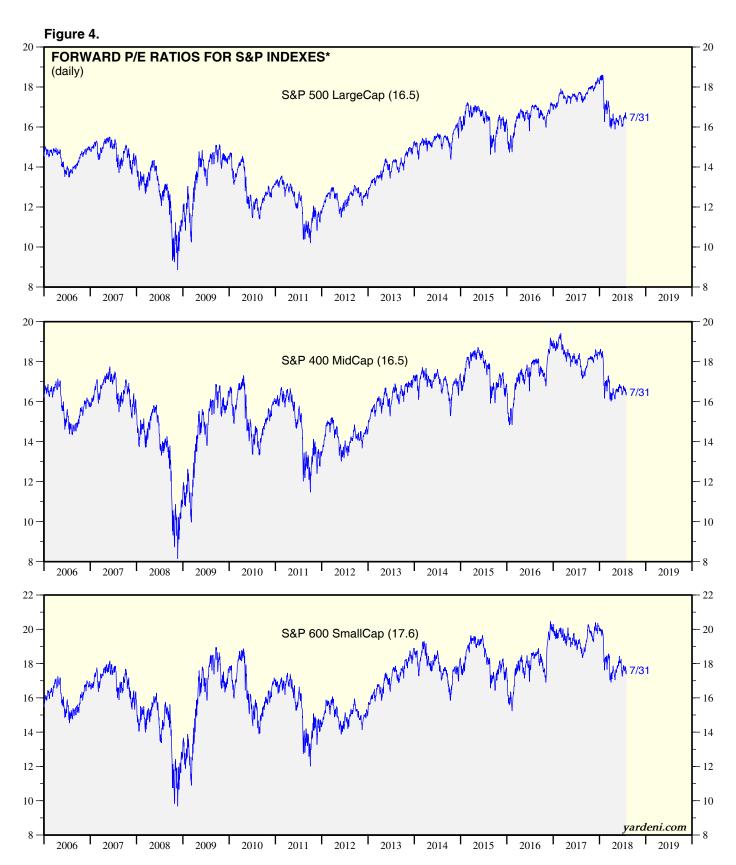




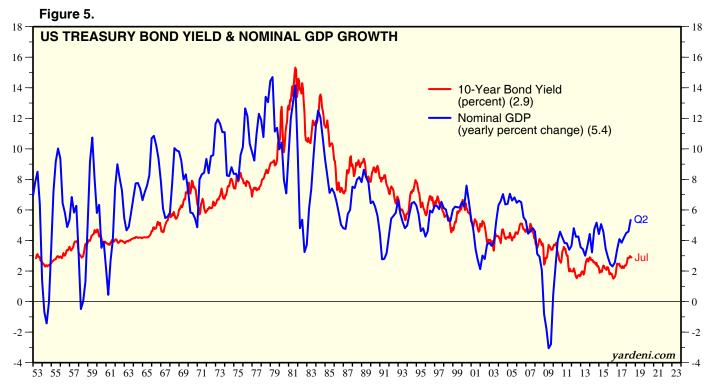
 $[\]ast$ Time-weighted average of consensus estimates for current and next year. Source: Thomson Reuters I/B/E/S.



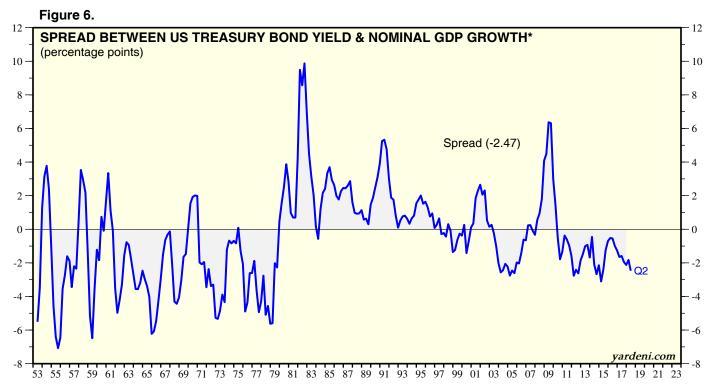
Page 5 / August 1, 2018 / Chart Collection for Morning Briefing



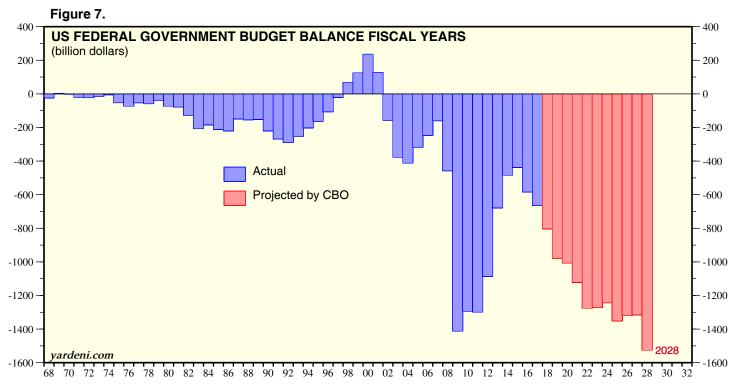
^{*} Price divided by 52-week forward consensus expected operating earnings per share. Source: Thomson Reuters I/B/E/S.



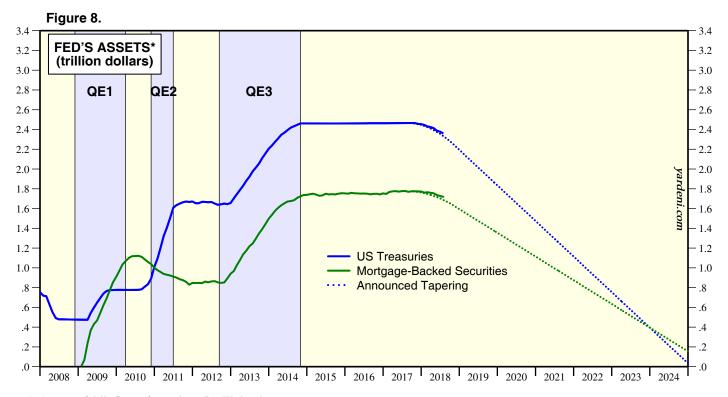
Source: Bureau of Economic Analysis and Federal Reserve Board.



^{*} US Treasury 10-year bond yield minus yearly percent change in nominal GDP. Source: Bureau of Economic Analysis and Federal Reserve Board.



Source: Congressional Budget Office.



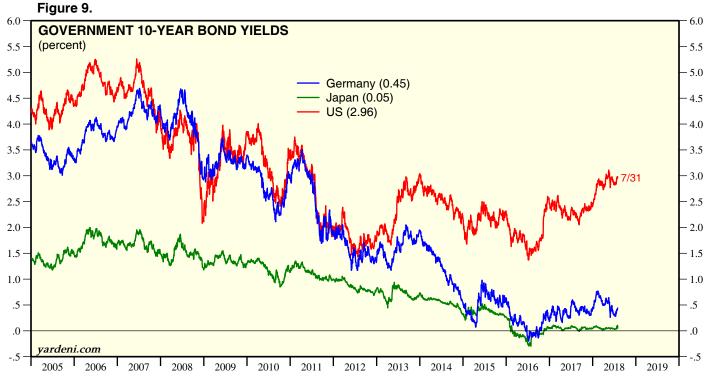
Average of daily figures for weeks ending Wednesday.

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.

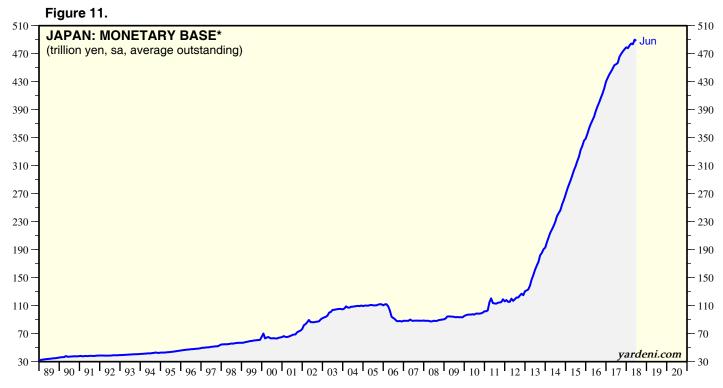
Source: Federal Reserve Board.



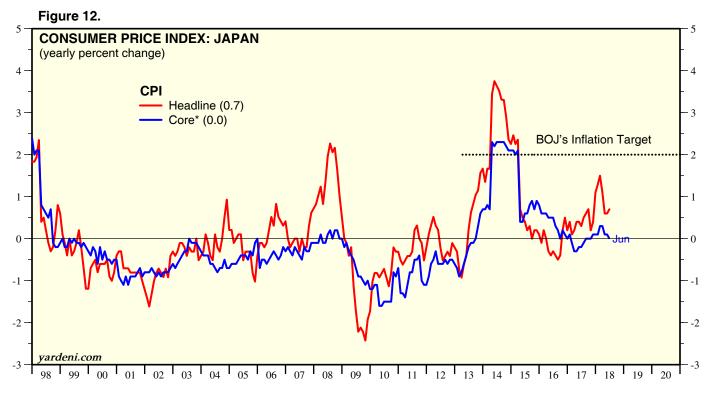
Source: Haver Analytics.



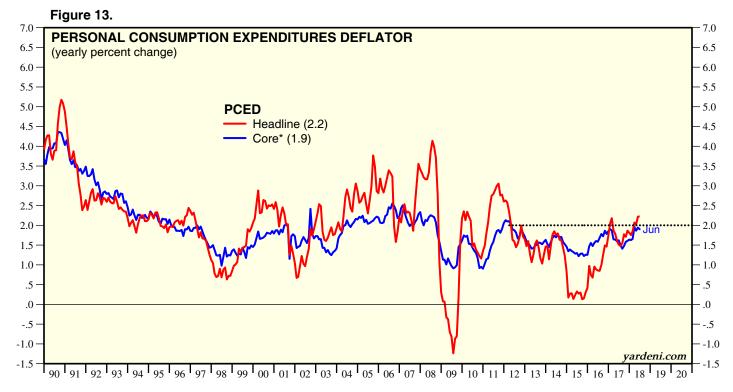
^{*} Ifo introduced new series, which include services for the first time, drastically reducing the weight of the manufacturing sector within the measures. Source: Ifo-Institut Fur Wirtschaftsforschung.



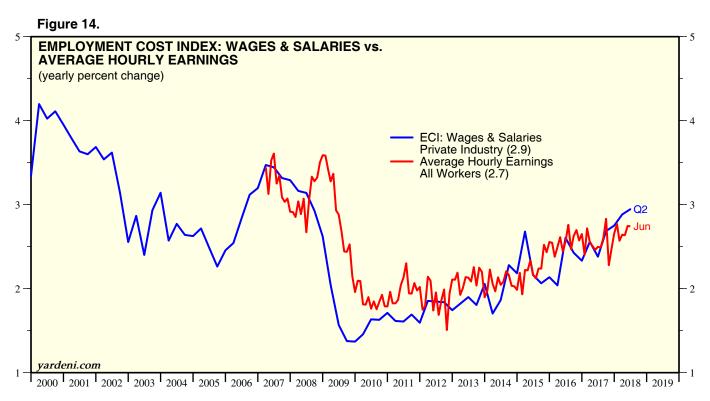
^{*} Adjusted for change in reserve requirements. Source: Bank of Japan.



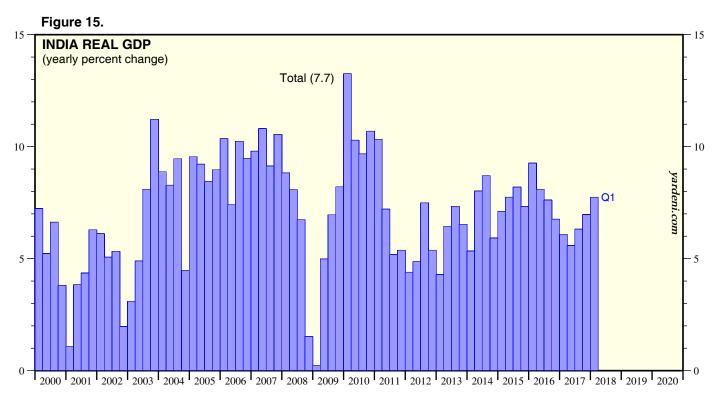
^{*} Excluding energy, food, alcohol. Source: Ministry of Internal Affairs and Communications.



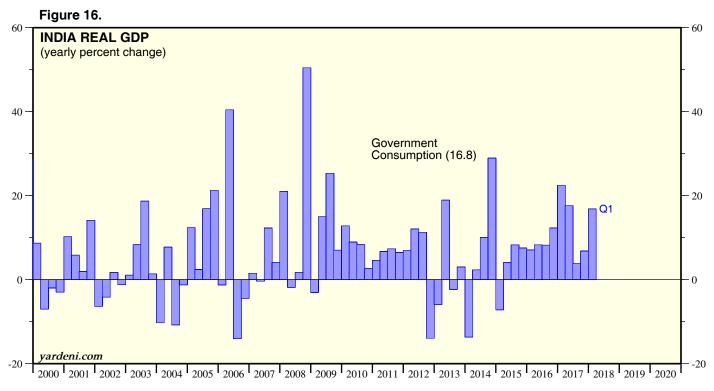
* Excluding food and energy prices. Note: Dotted line is the Fed's official target set during January 2012. Source: Bureau of Economic Analysis.



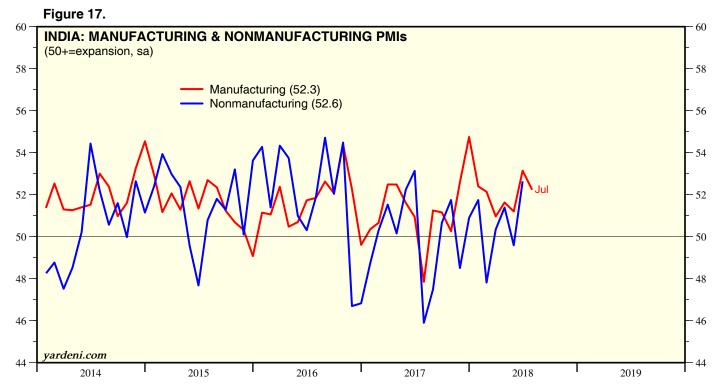
Source: Bureau of Labor Statistics.



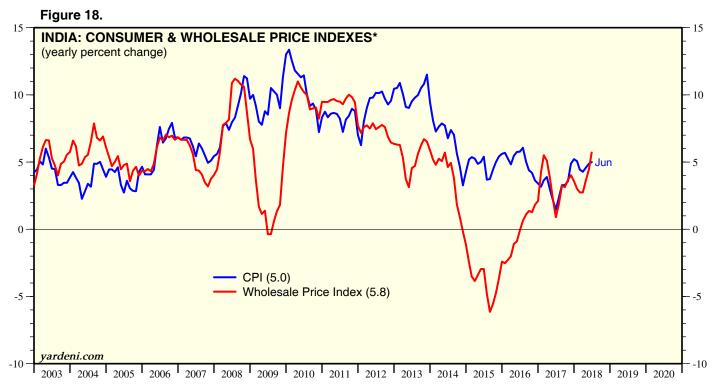
Source: Central Statistical Organization of India.



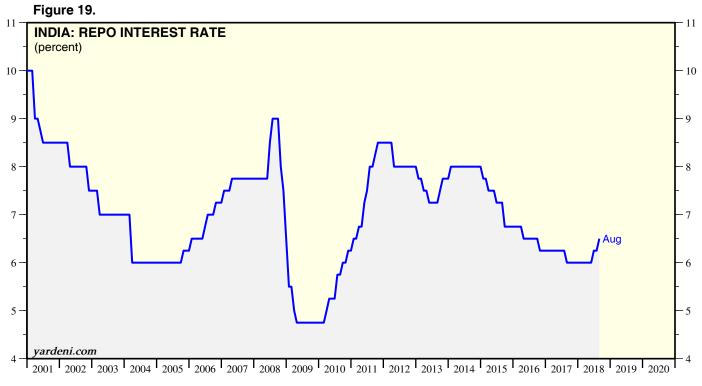
Source: Central Statistical Organization of India.



Source: HSBC/Markit.



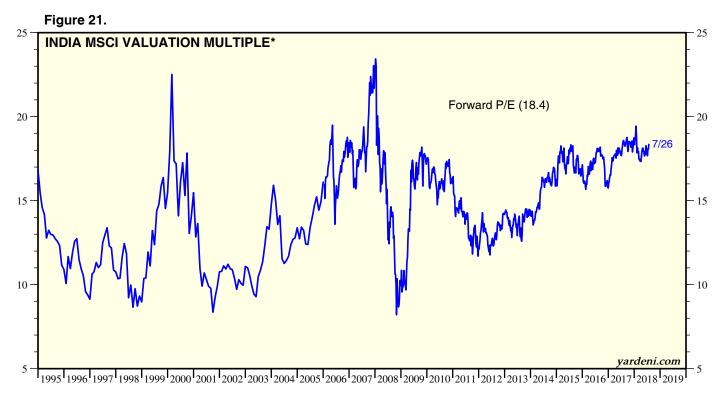
Official data start in Q1 2011. For the purpose of empirical analysis, backcasted data prior to 2011 were generated by the RBI but these backcasted data should not be seen as official price indexes.Source: Ministry of Commerce and Industry.



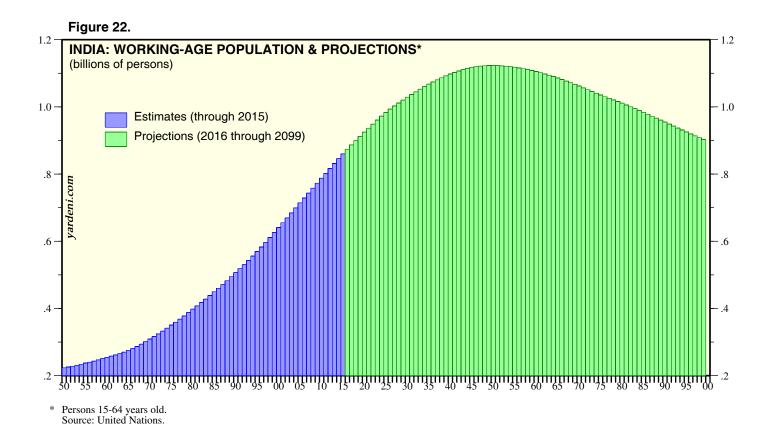
Source: Reserve Bank of India.



— 200-day moving average. Source: Morgan Stanley Capital International and Haver Analytics.



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



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