Chart Collection for Morning Briefing

Yardeni Research, Inc.

November 20, 2019

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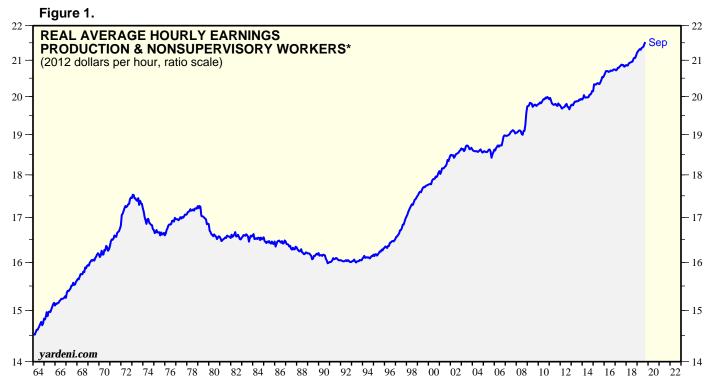
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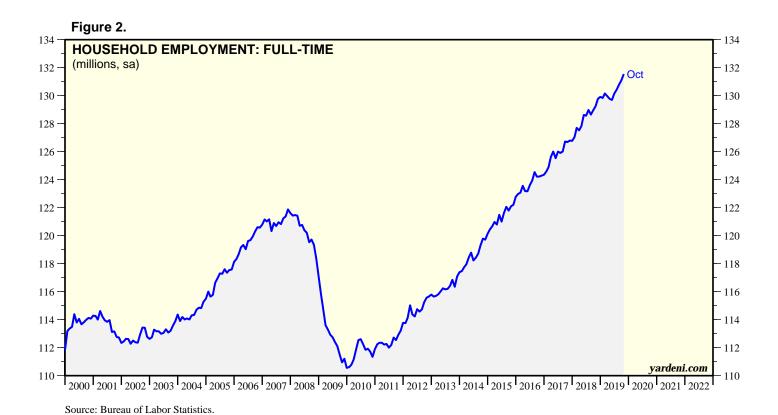
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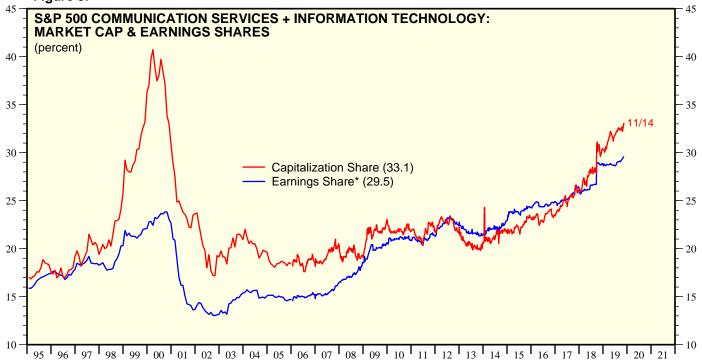
thinking outside the box



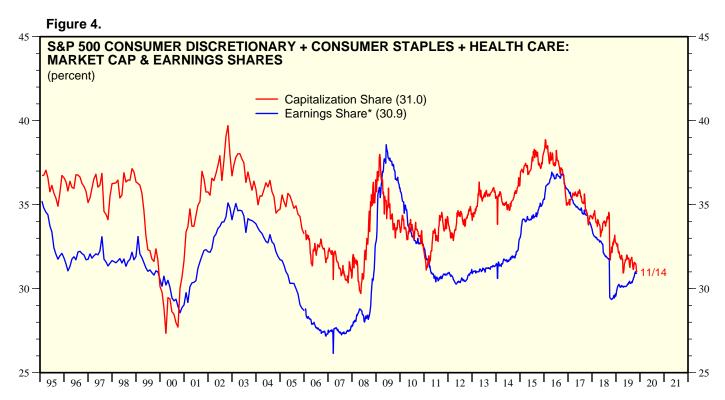
Average hourly earnings deflated by personal consumption expenditures deflator.
 Source: Bureau of Labor Statistics, Bureau of Economic Analysis, and Haver Analytics.



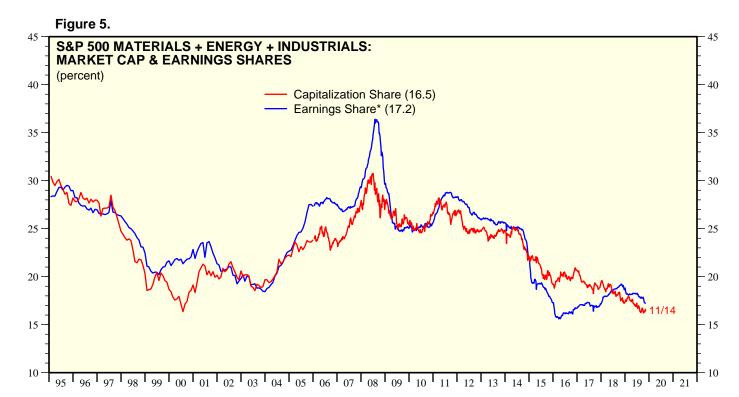




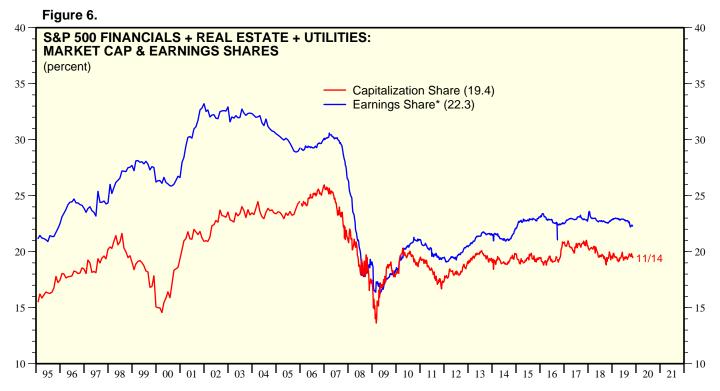
* Using consensus 12-month forward earnings forecasts. Monthly through 2006, then weekly. Source: I/B/E/S data by Refinitiv.



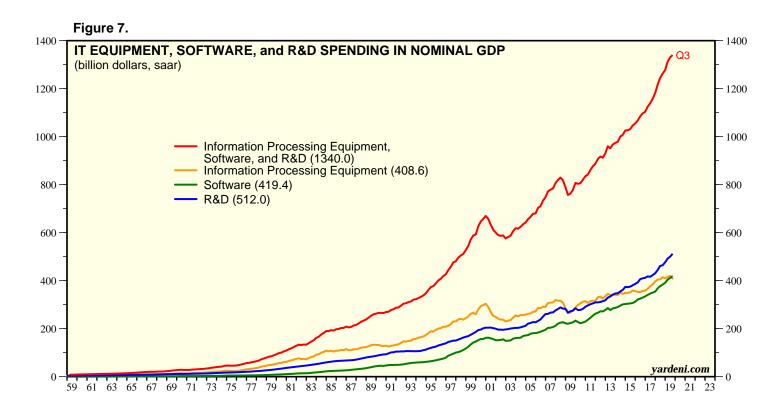
Using consensus 12-month forward earnings forecasts. Monthly through 2006, then weekly. Source: I/B/E/S data by Refinitiv.

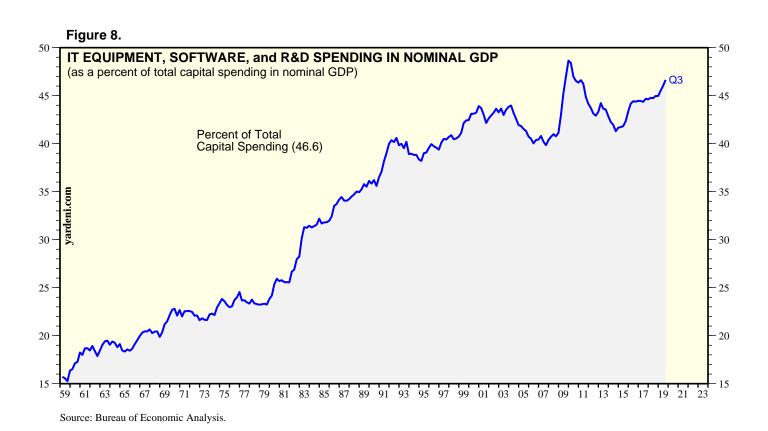


* Using consensus 12-month forward earnings forecasts. Monthly through 2006, then weekly. Source: I/B/E/S data by Refinitiv.

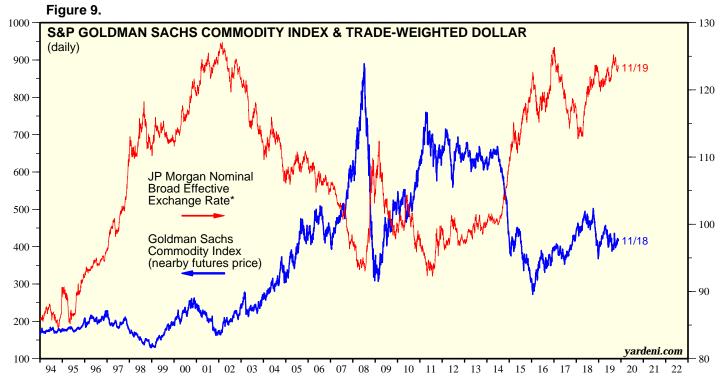


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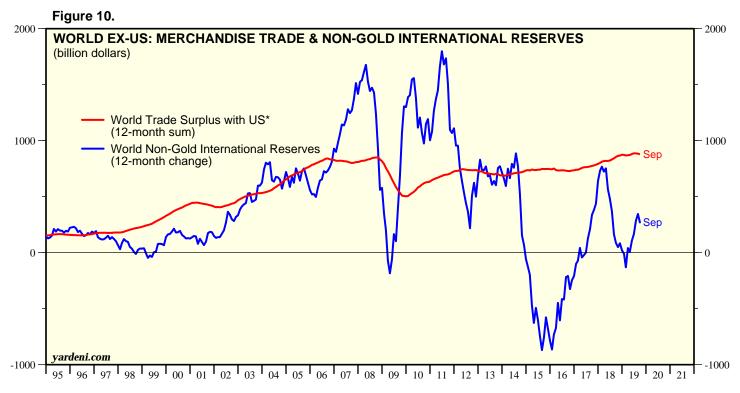




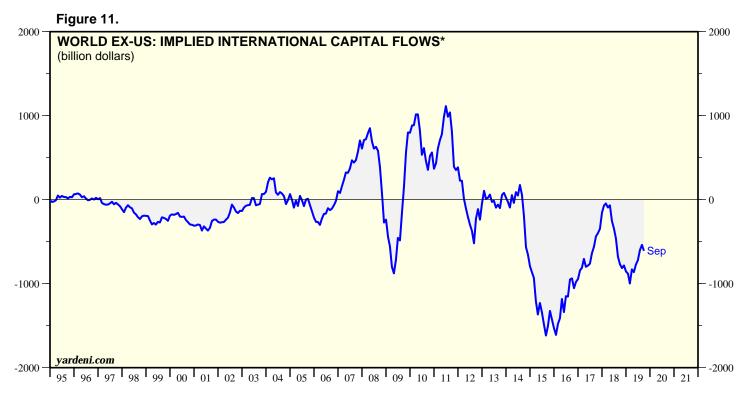
Source: Bureau of Economic Analysis.



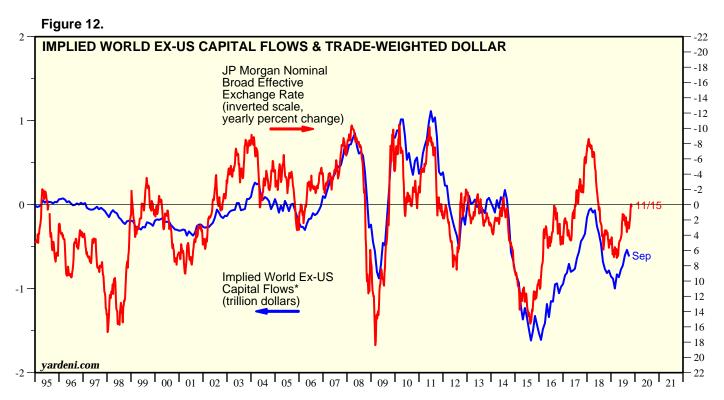
Source: Standard & Poor's, JP Morgan, and Haver Analytics.



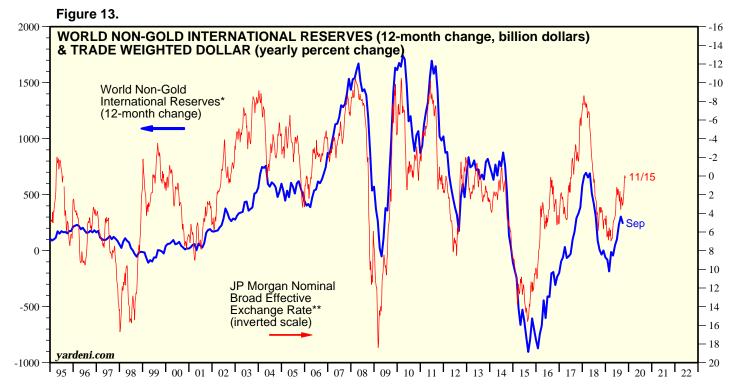
US trade deficit multiplied by -1.0.
 Source: IMF and Haver Analytics.



^{* 12-}month change in non-gold international reserves minus 12-month sum of the merchandise trade surplus with US (i.e., US trade deficit multiplied by -1.0). Source: IMF and Haver Analytics.

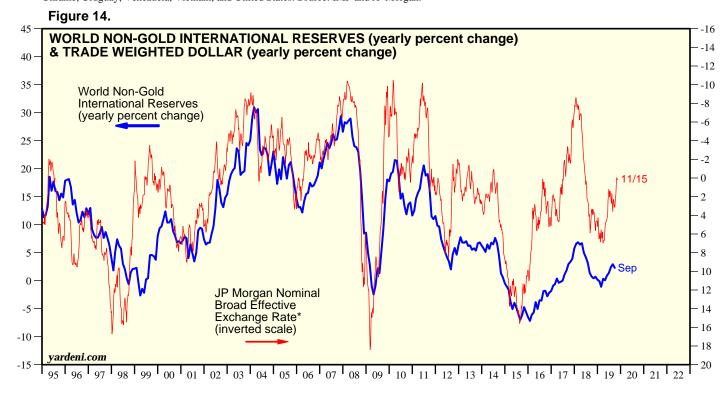


^{* 12-}month change in non-gold international reserves minus 12-month sum of the merchandise trade surplus (deficit). US trade deficit multiplied by -1.0. Source: International Monetary Fund and JP Morgan.



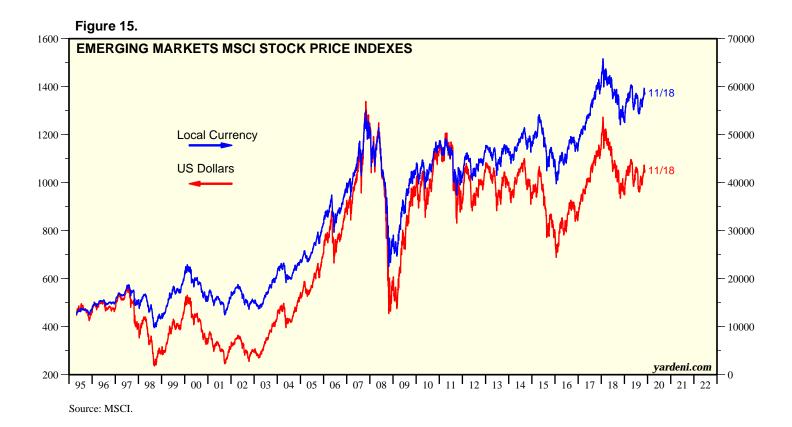
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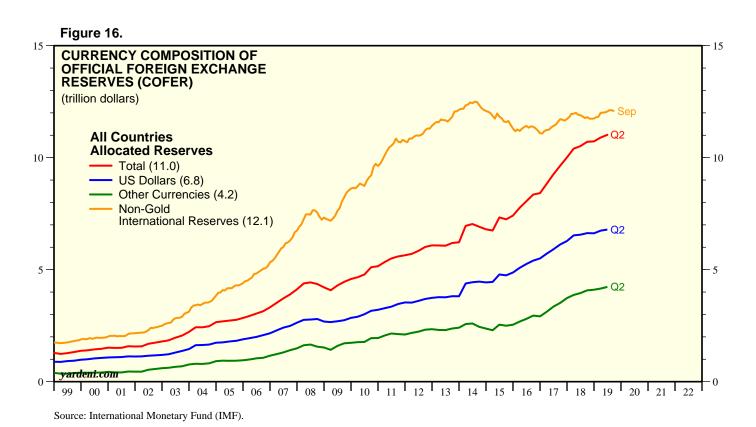
** Argentina, Australia, Brazil, Bulgaria, Canada, Chile, China, Colombia, Croatia, Czech Republic, Denmark, Ecuador, Egypt, France, Germany, Hong Kong, Hungary, Japan, India, Indonesia, Israel, Italy, Korea, Kuwait, Malaysia, Mexico, Morocco, New Zealand, Nigeria, Norway, Pakistan, Panama, Peru, Philippines, Poland, Romania, Russia, Saudi Arabia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Kingdom, Ukraine, Uruguay, Venezuela, Vietnam, and United States. Source: IMF and JP Morgan.

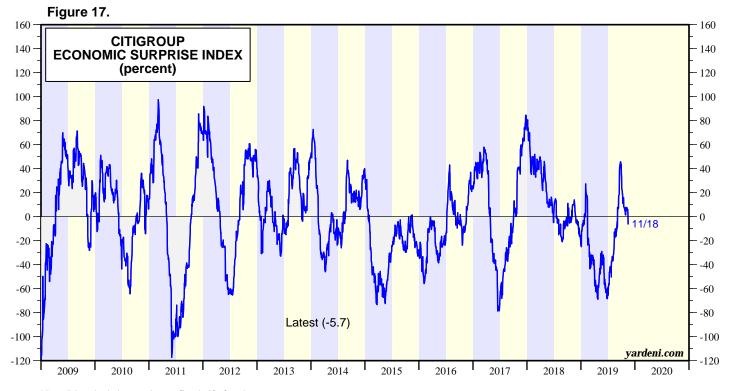


^{*} Argentina, Australia, Brazil, Bulgaria, Canada, Chile, China, Colombia, Croatia, Czech Republic, Denmark, Ecuador, Egypt, France, Germany, Hong Kong, Hungary, Japan, India, Indonesia, Israel, Italy, Korea, Kuwait, Malaysia, Mexico, Morocco, New Zealand, Nigeria, Norway, Pakistan, Panama, Peru, Philippines, Poland, Romania, Russia, Saudi Arabia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Kingdom, Ukraine, Uruguay, Venezuela, Vietnam, and United States.

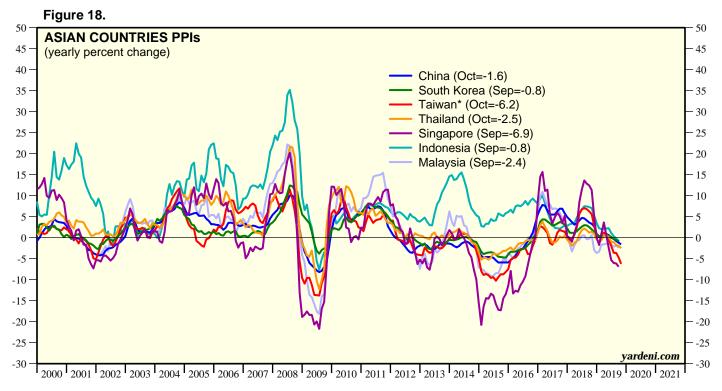
Source: IMF and JP Morgan.







Note: Blue shaded areas denote first half of each year. Source: Citigroup.



* Wholesale Price Index. Source: Haver Analytics. Copyright (c) Yardeni Research, Inc. 2019. All rights reserved. The information contained herein has been obtained from sources believed to be reliable, but is not necessarily complete and its accuracy cannot be guaranteed. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness, or correctness of the information and opinions contained herein. The views and the other information provided are subject to change without notice. All reports and podcasts posted on www.yardeni.com, blog.yardeni.com, and YRI's Apps are issued without regard to the specific investment objectives, financial situation, or particular needs of any specific recipient and are not to be construed as a solicitation or an offer to buy or sell any securities or related financial instruments. Past performance is not necessarily a guide to future results. Company fundamentals and earnings may be mentioned occasionally, but should not be construed as a recommendation to buy, sell, or hold the company's stock. Predictions, forecasts, and estimates for any and all markets should not be construed as recommendations to buy, sell, or hold any security--including mutual funds, futures contracts, and exchange traded funds, or any similar instruments.

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