Chart Collection for Morning Briefing

Yardeni Research, Inc.

January 16, 2019

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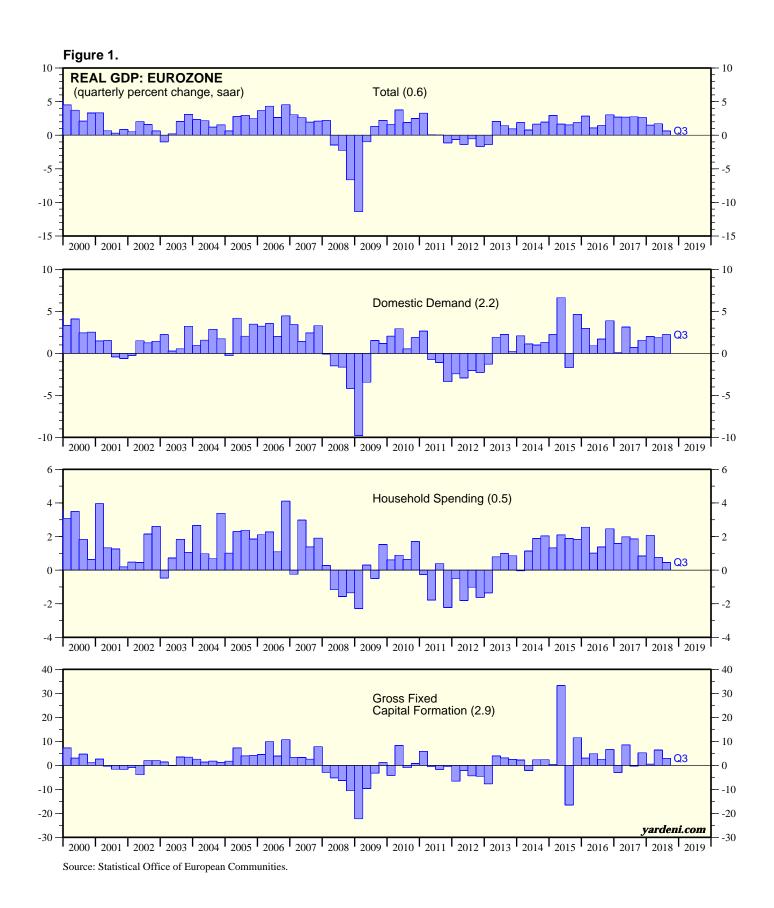
Mali Quintana

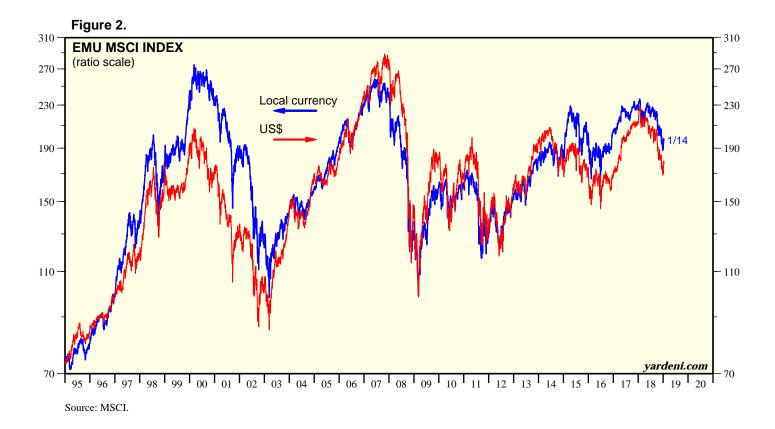
480-664-1333 aquintana@yardeni.com

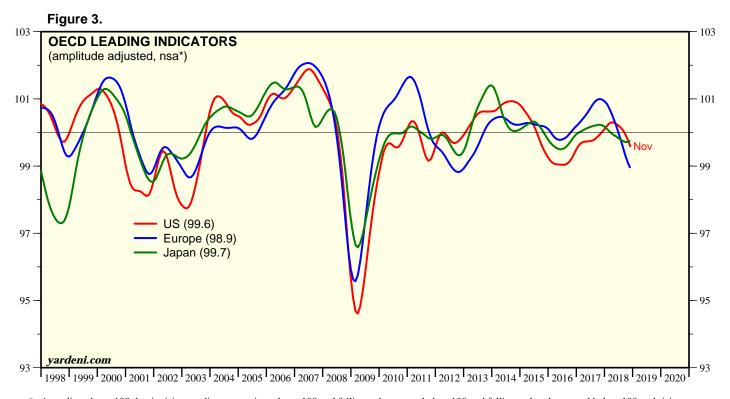
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thinking outside the box

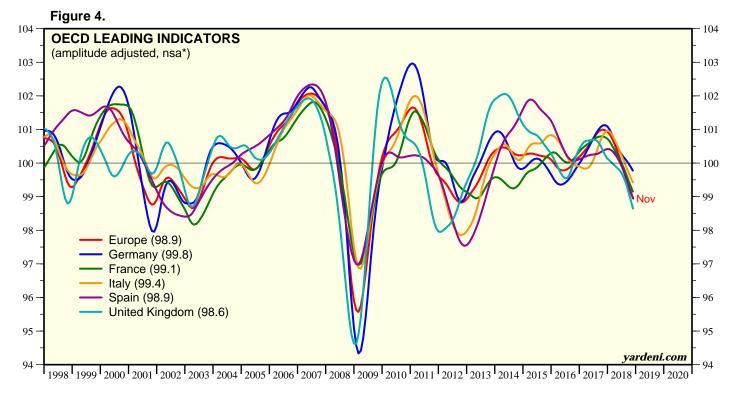






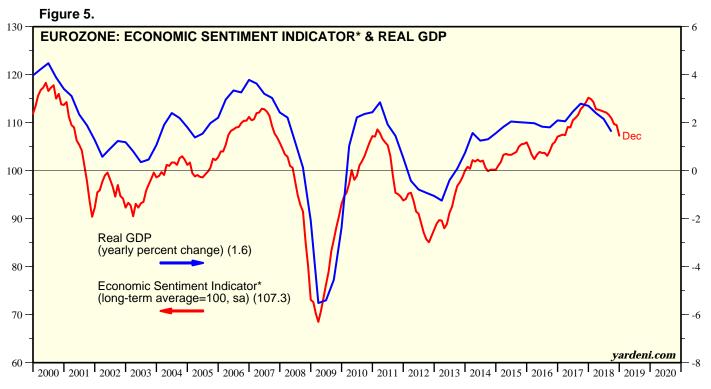
^{*} A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery.

Source: OECD and Haver Analytics.



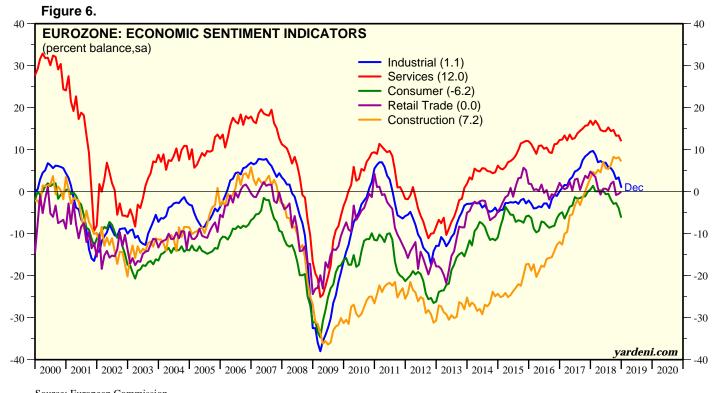
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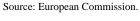
Source: OECD and Haver Analytics.

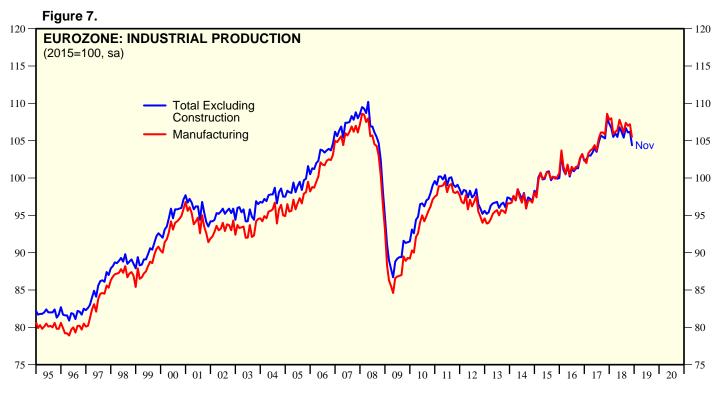


^{*} The overall economic sentiment indicator (ESI) is derived from the industrial (weight 40%), service (30%), consumer (20%), construction (5%), and retail trade (5%) confidence indicators.

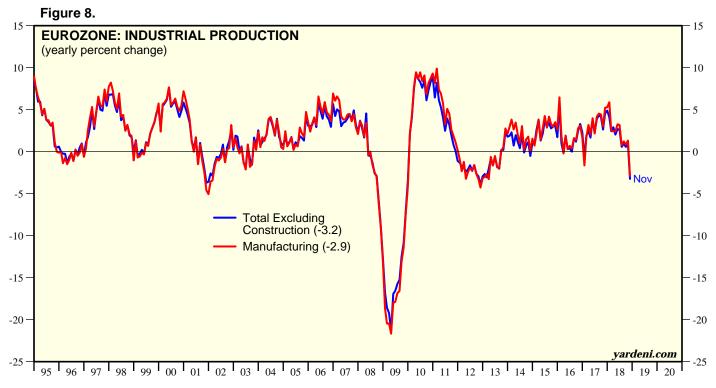
Source: Statistical Office of the European Communities, European Commission, and Haver Analytics.



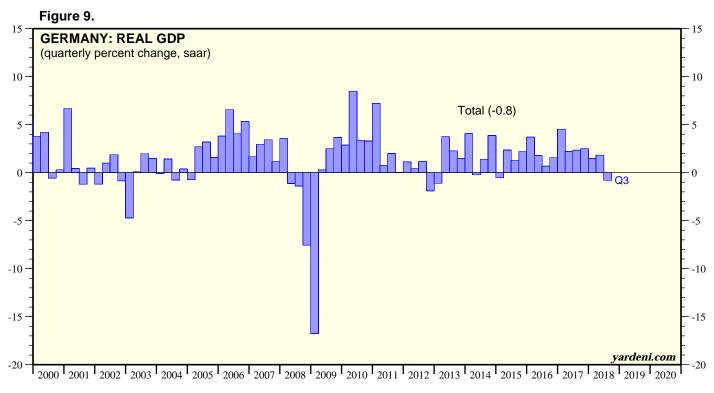




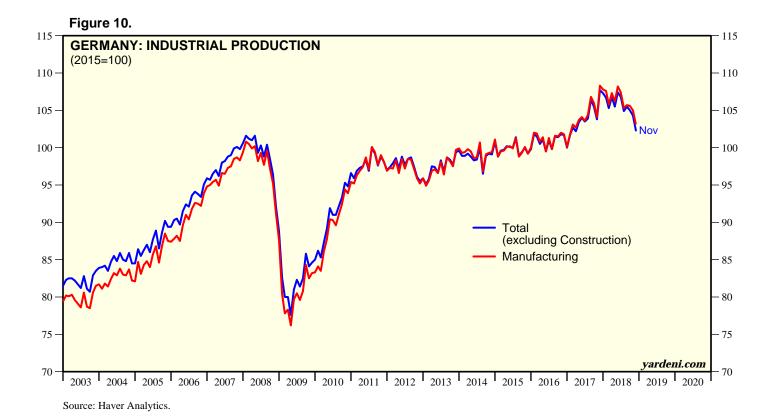
Source: Statistical Office of European Communities.

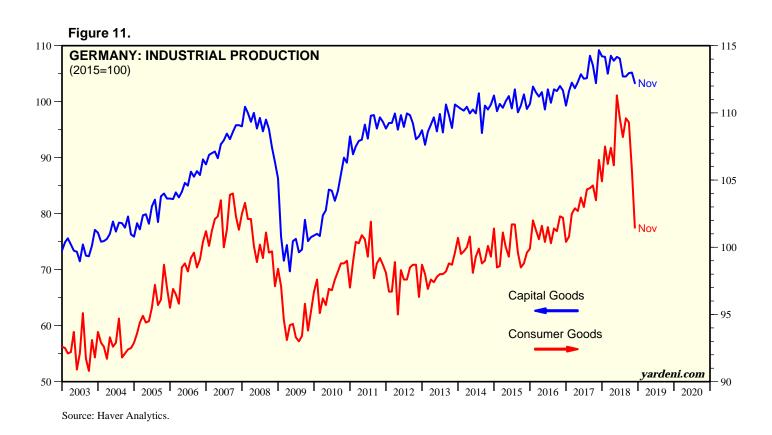


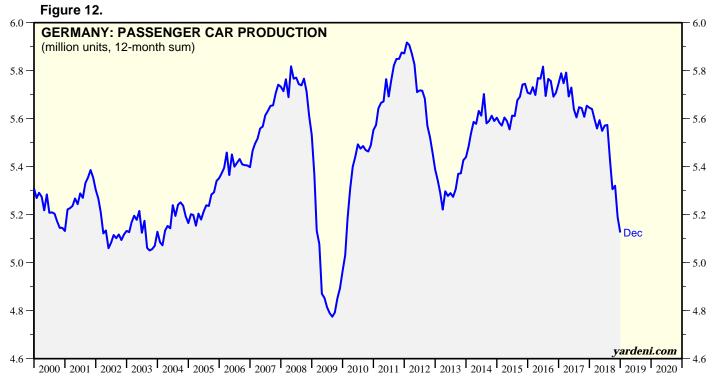
Source: Statistical Office of European Communities.



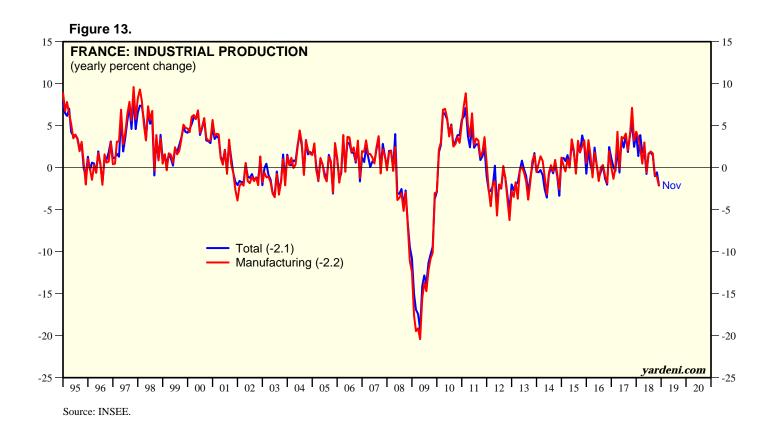
Source: Deutsche Bundesbank and Haver Analytics.

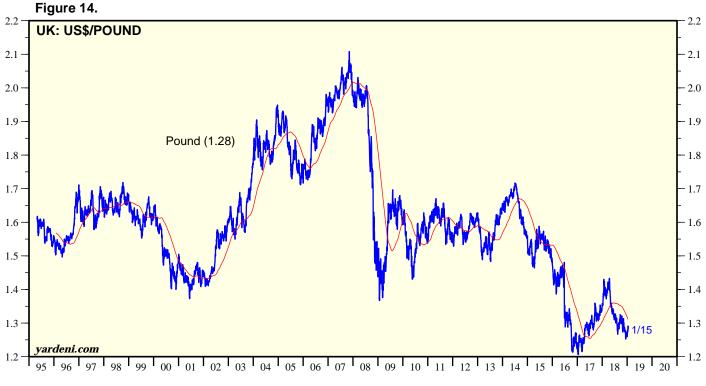




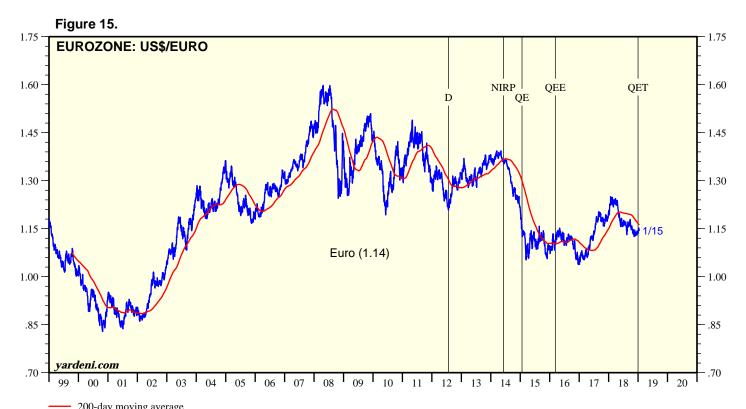


Source: Verband der automobilindustrie.

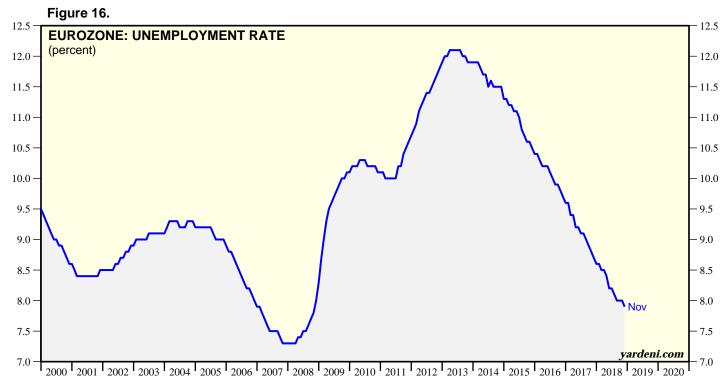




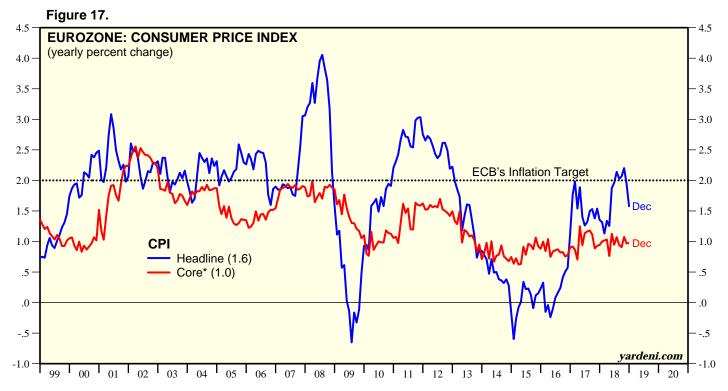
200-day moving average Source: Haver Analytics.



— 200-day moving average D = ECB President Mario Draghi pledged to do "whatever it takes" to defend the euro (7/26/12). NIRP = negative interest-rate policy (6/5/2014). QE (1/22/15). QEE = expansion and extension of QE (3/10/16, corporate bond purchases started 6/1/16). QET = QE terminated (12/31/18). Source: Haver Analytics.



Source: Statistical Office of the European Communities.



Excluding energy, food, alcohol, and tobacco.
 Source: Statistical Office of the European Communities.

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