



Perspectives on Quantitative Easing in the United States

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Figure 1: Forecasts of Real GDP Growth in the U.S. 2016:Q2

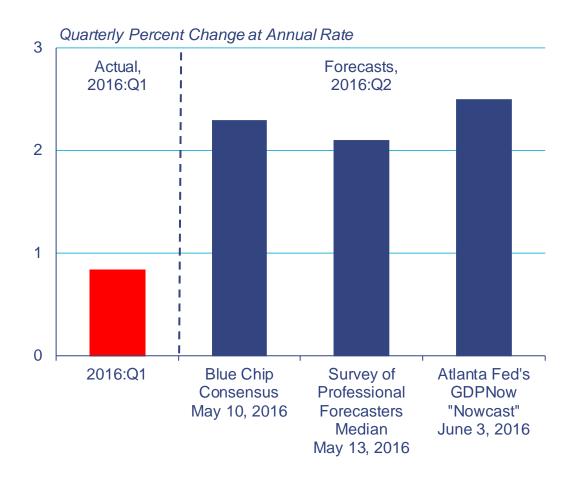




Figure 2: U.S. Retail Sales

January 2014 - April 2016

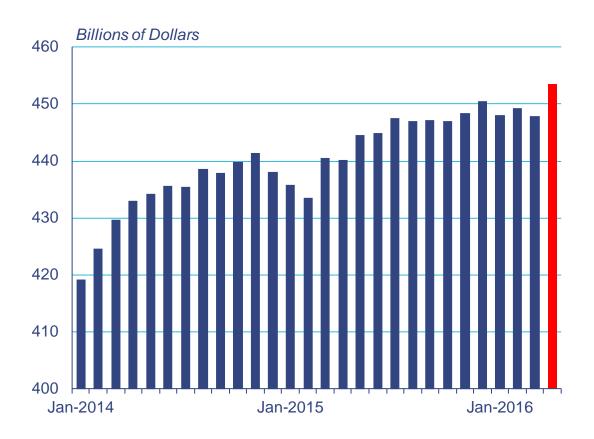




Figure 3: U.S. Civilian Unemployment Rate
January 2014 - May 2016 and Forecast for Year-end 2016

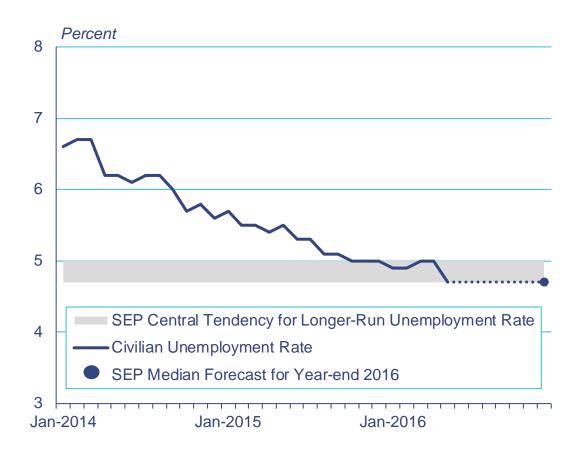
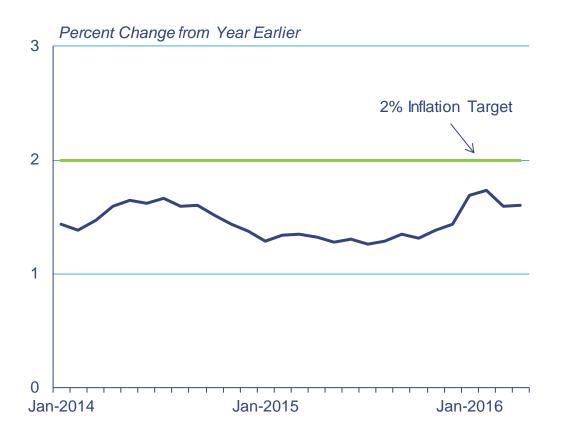




Figure 4: U.S. Inflation Rate: Change in Core Personal Consumption Expenditures Price Index

January 2014 - April 2016



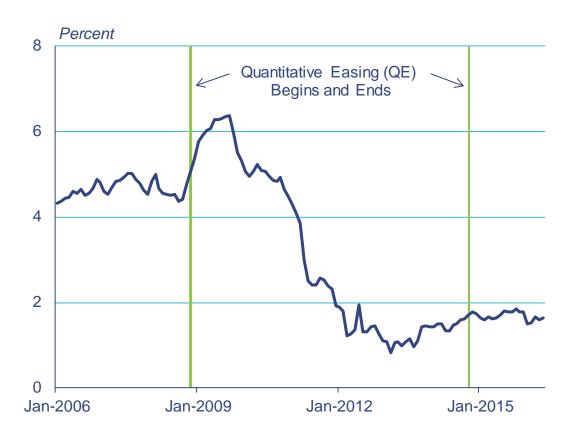
Note: Core PCE excludes food and energy.

Source: BEA, Haver Analytics



Figure 5: Real Rate on 48-Month New Auto Loan in the U.S.

January 2006 - May 2016

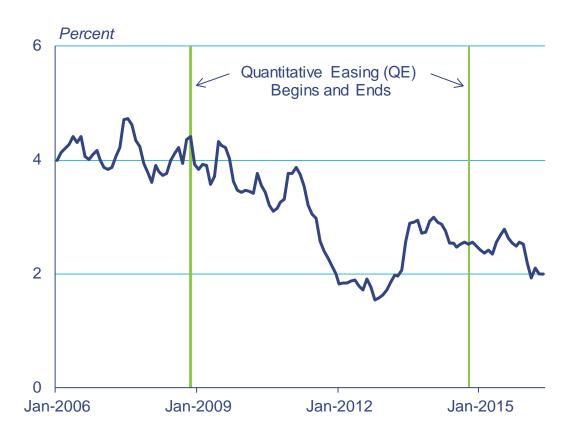


Note: The real auto loan rate is calculated by subtracting the core PCE inflation rate from the stated auto loan rate. The April core PCE inflation rate is used as an estimate for May.



Figure 6: Real Rate on 30-Year Fixed-Rate Mortgage Loan in the U.S.

January 2006 - May 2016



Note: The real mortgage rate is calculated by subtracting the core PCE inflation rate from the stated mortgage rate. The April core PCE inflation rate is used as an estimate for May.



Figure 7: Real Corporate Bond Yields on 10-Year AAA and AA Industrials in the U.S.

January 2006 - May 2016



Note: The real bond yields are calculated by subtracting the core PCE inflation rate from the stated bond yields. The April core PCE inflation rate is used as an estimate for May.



Figure 8: Foreign Exchange Rate: Japanese Yen Per U.S. Dollar

January 2, 2014 - June 2, 2016

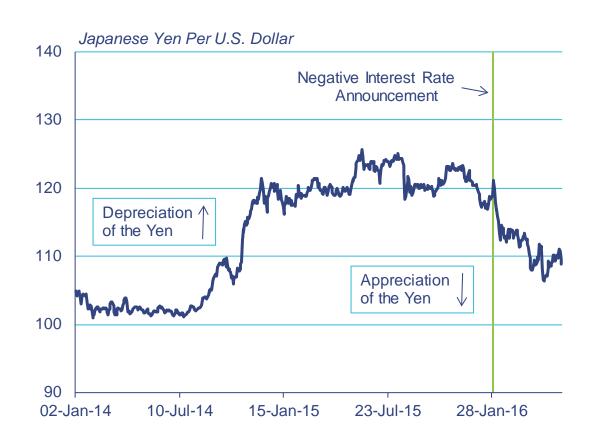




Figure 9: Real Rate on 35-Year Fixed-Rate Mortgage Loan in Japan

January 7, 2014 - June 2, 2016



The "Flat 35" is the fixed-rate mortgage that the Japan Housing Finance Agency (JHF) offers to borrowers through collaboration with private financial Institutions.

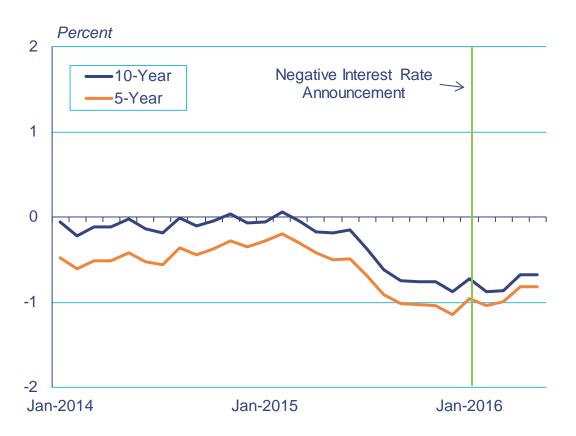
Note: Japan's real mortgage rate is calculated using Japan's CPI less Fresh Food and Energy, adjusted for the consumption tax increase, as calculated by the Bank of Japan. The April CPI figure is used as an estimate for May and June.

Source: Bank of Japan, Japan Housing Finance Agency, Bloomberg Finance L.P.



Figure 10: Real AA+, AA, and AA- Corporate Bond Yields in Japan

January 2014 - May 2016



Note: Japan's real corporate bond yields are calculated using Japan's CPI less Fresh Food and Energy, adjusted for the consumption tax increase, as calculated by the Bank of Japan. The April CPI figure is used as an estimate for May.

Source: Bank of Japan, Bloomberg Finance L.P.



Figure 11: Bank Stock Prices in Japan

January 6, 2014 - June 2, 2016





Figure 12: Call Market Volume in Japan

January 6, 2014 - June 2, 2016

