The Interest Rate Paradox

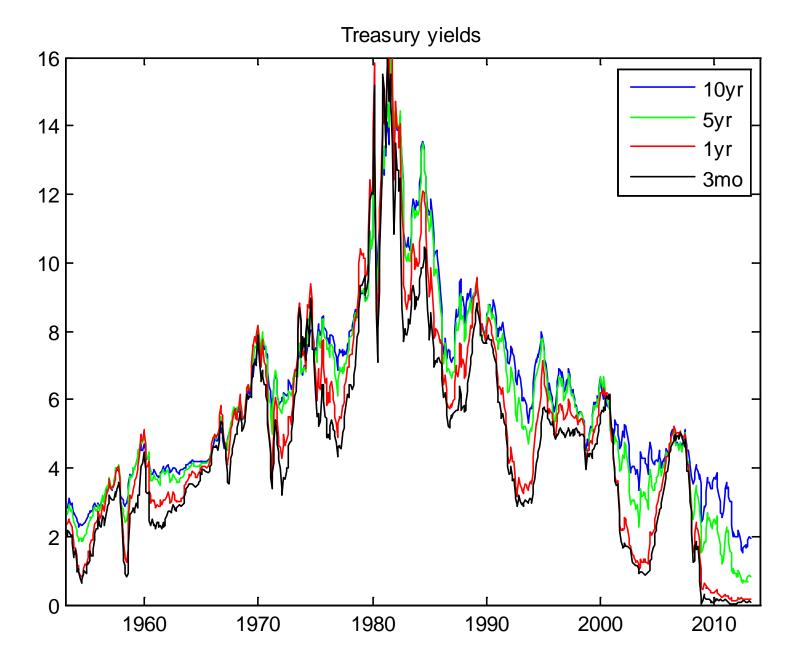
John H. Cochrane

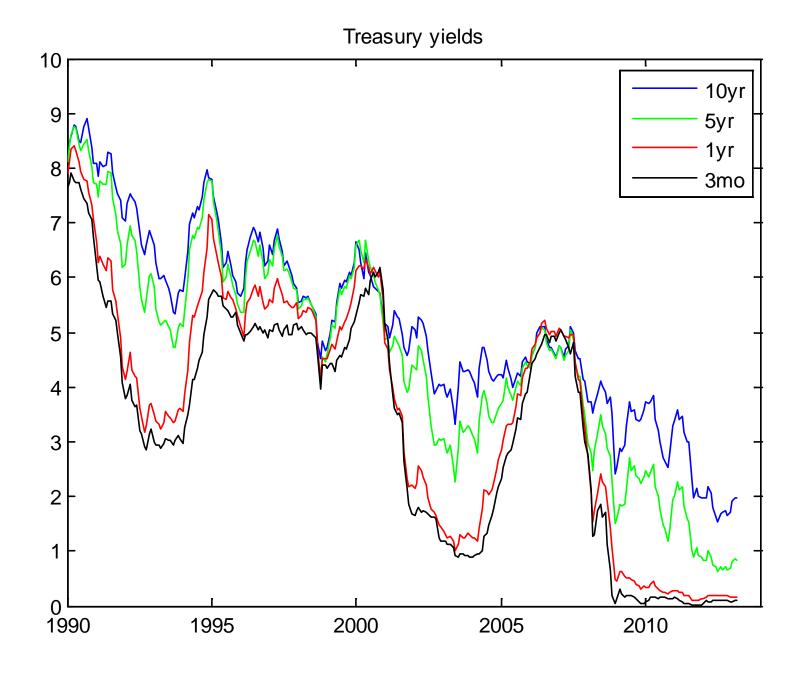
University of Chicago Booth School of Business, Hoover institution, Cato institute,

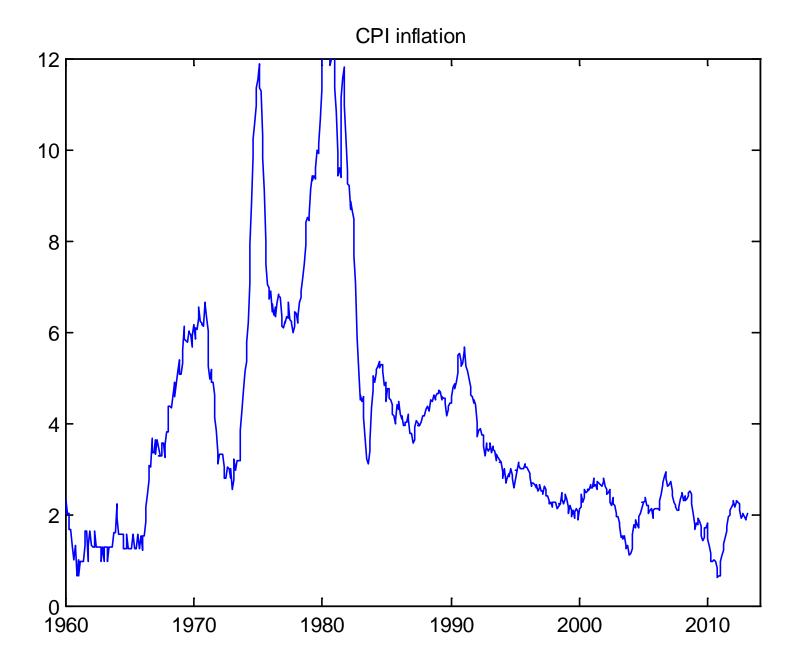
http://faculty.chicagobooth.edu/john.cochrane

"The Grumpy Economist" blog Johnhcochrane.blogspot.com









CBO

Revenue: \$2.5T

Expense: \$3.5T

Debt: \$16T

Promises:Gazillions

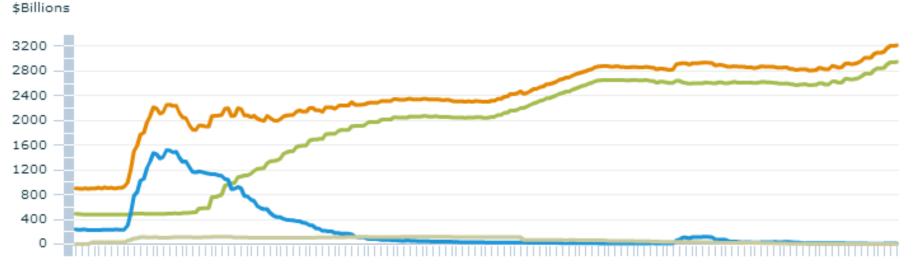
The 2012 Long-Term Budget Outlook



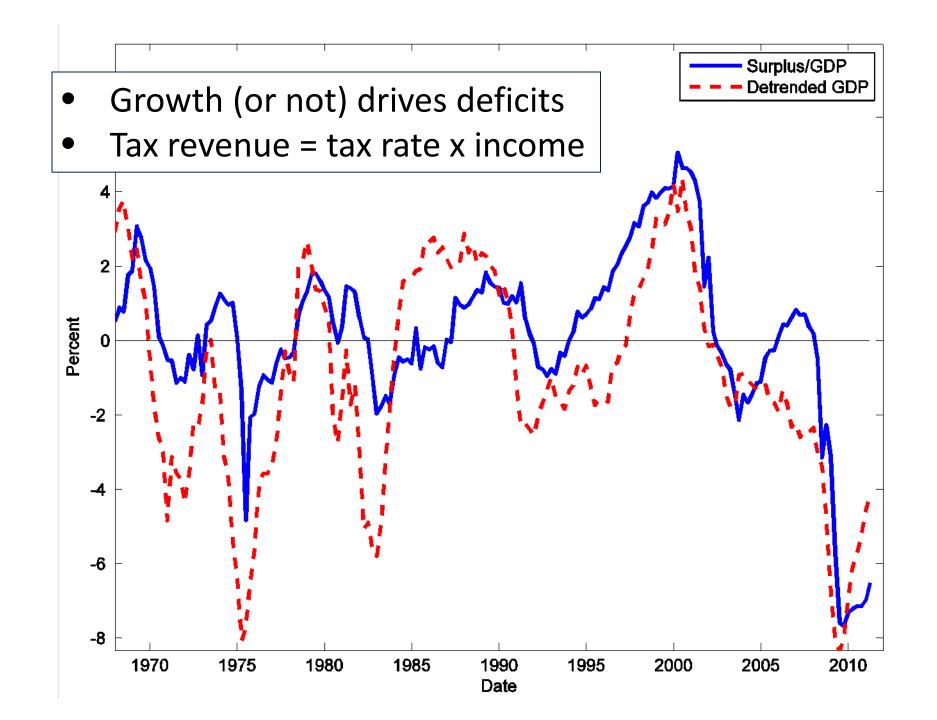




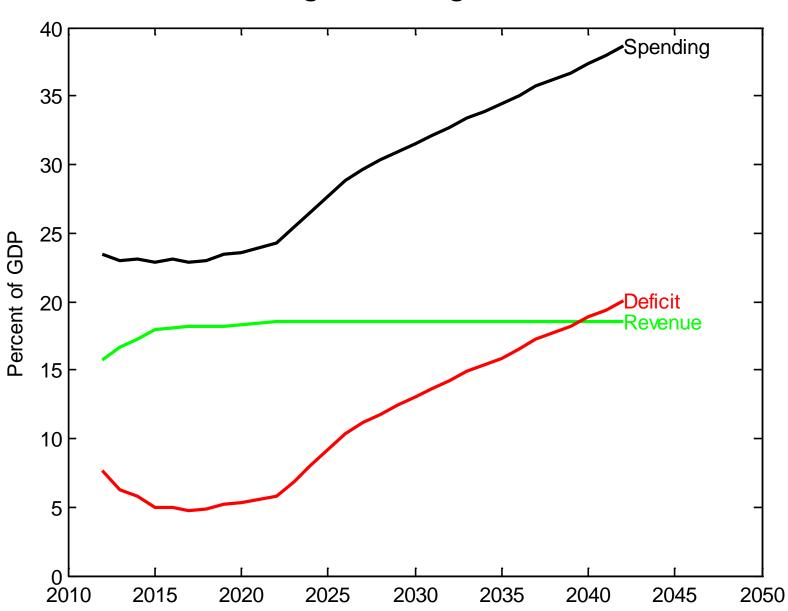
The increase in the size of the Federal Reserve's balance sheet has been accompanied by changes in the composition of the assets held over time. The level of securities held outright declined at the end of 2007 into 2008 as the Federal Reserve sold Treasury securities to accommodate the increase in credit extended through liquidity facilities. The level of securities holdings has risen significantly since 2009, principally reflecting purchases of Treasury, agency, and agency-guaranteed mortgage-backed securities under the large scale asset purchase programs announced by the FOMC. The various liquidity facilities wound down significantly over the course of 2009.



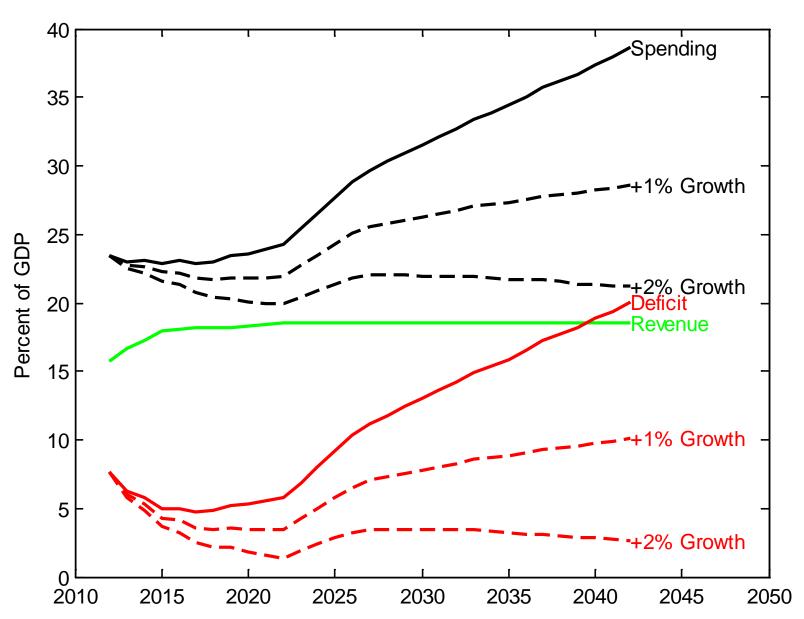
28-May-08 19-Nov-08 13-May-09 4-Nov-09 28-Apr-10 20-Oct-10 13-Apr-11 5-Oct-11 28-Mar-12 19-Sep-12 13-Mar-13



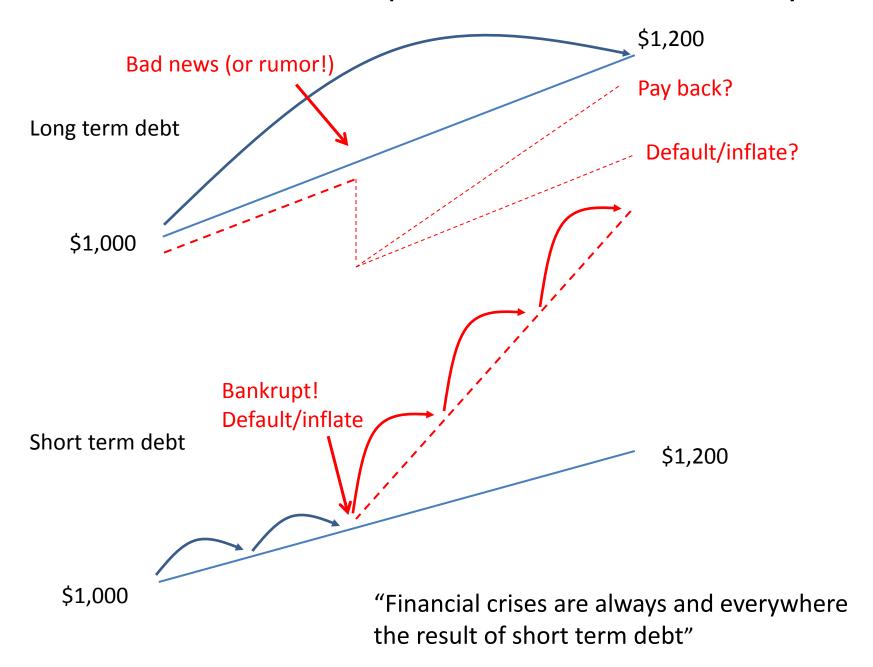
CBO Long Term Budget Outlook

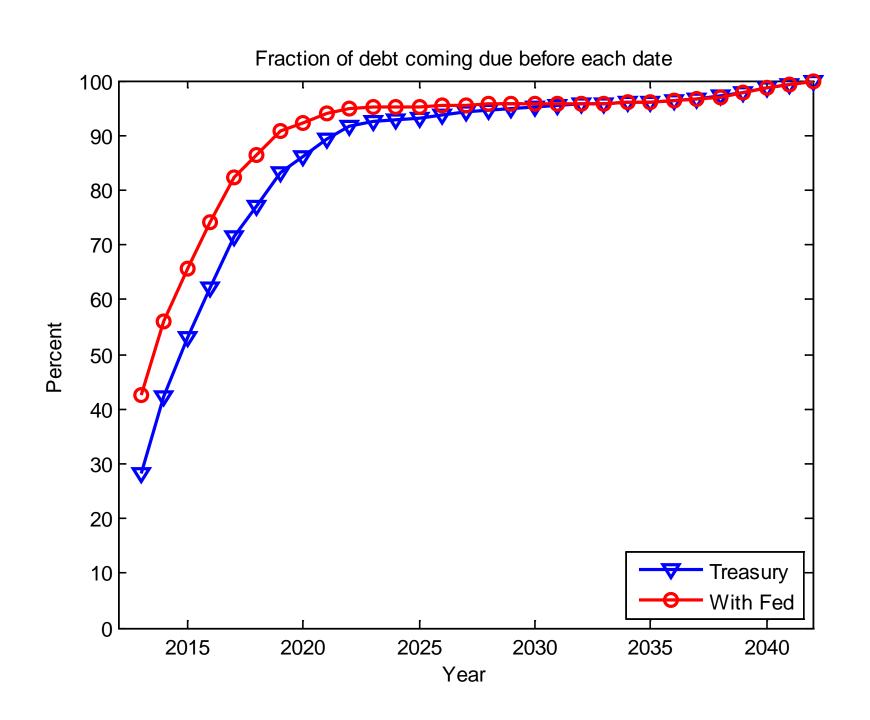


The Effect of Economic Growth on Deficits

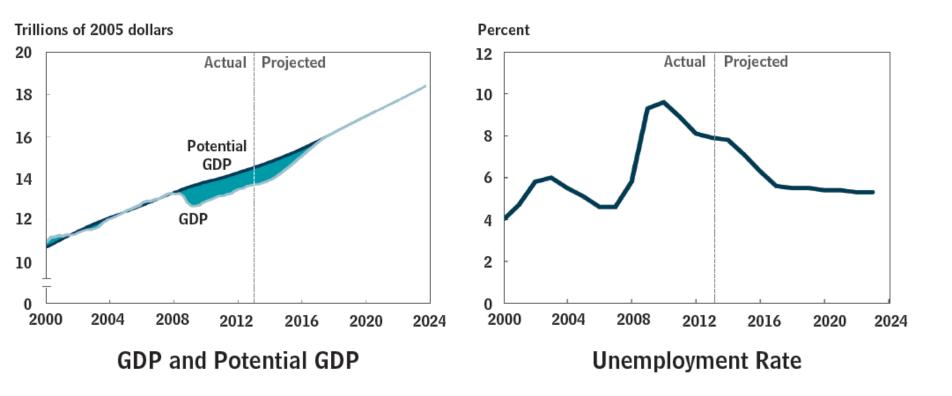


Short term debt: Future problems cause crisis today

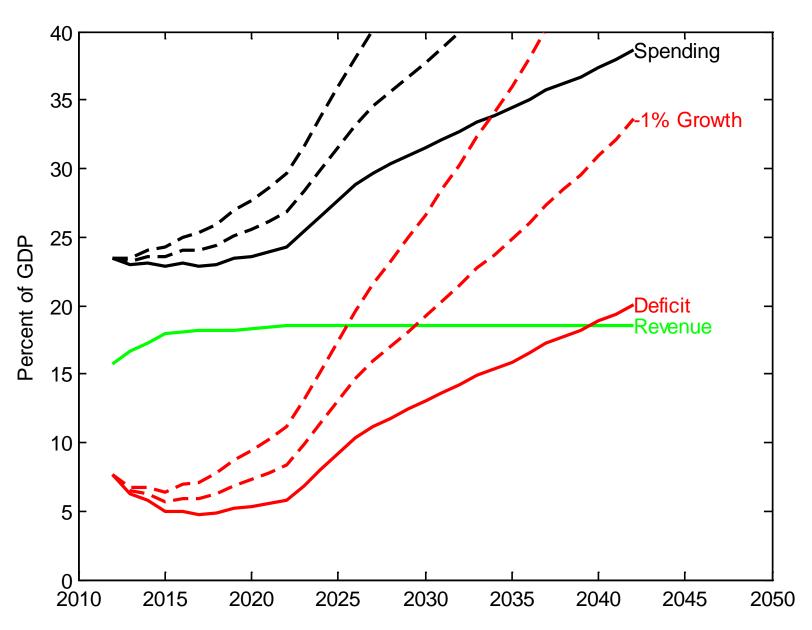


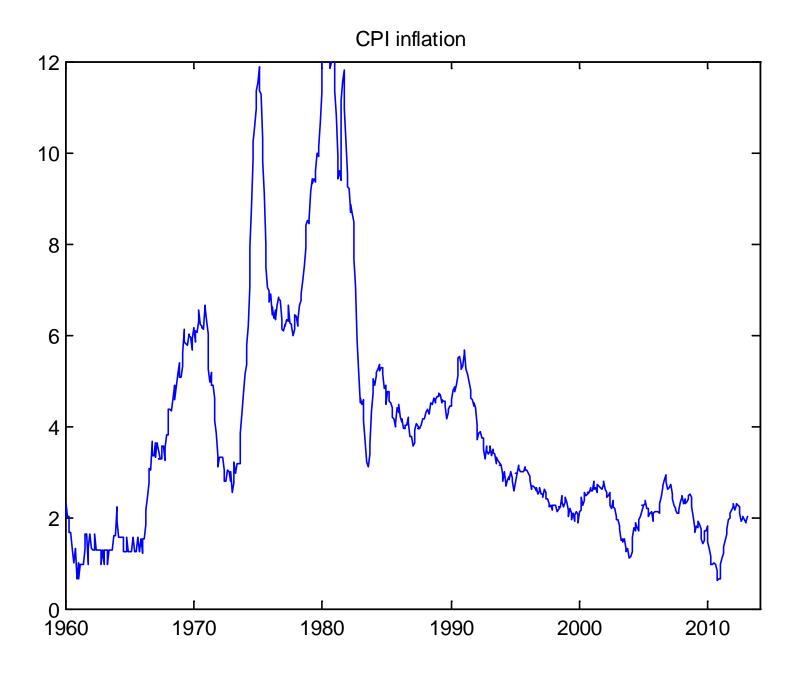


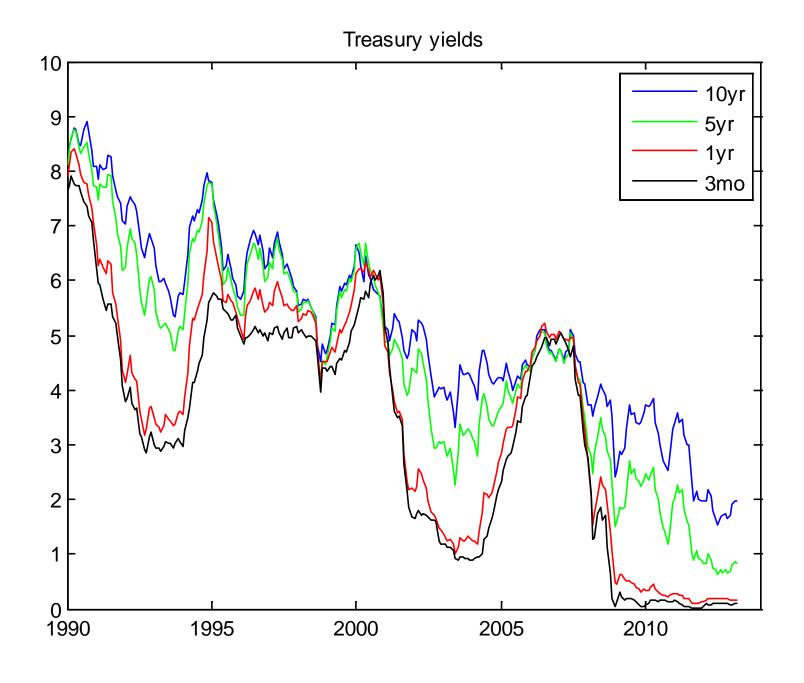
 But even the CBO's dire forecast assumes a return to growth! (and magical spending cuts)

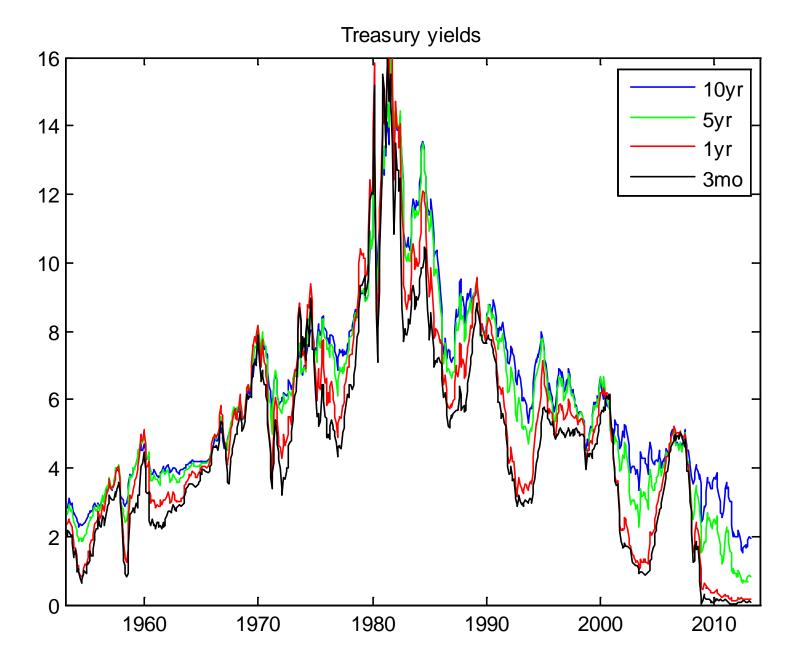


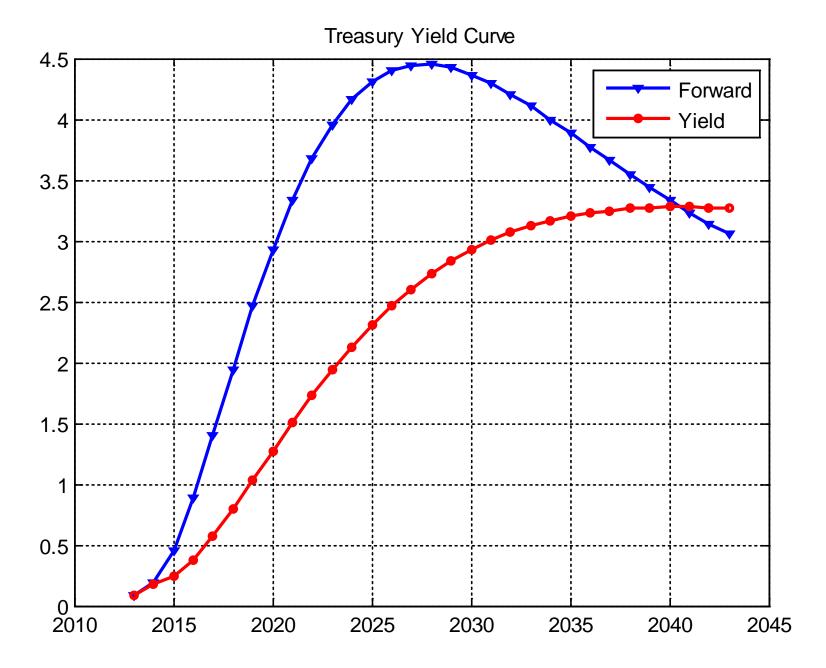
The Effect of Slower Growth on Deficits

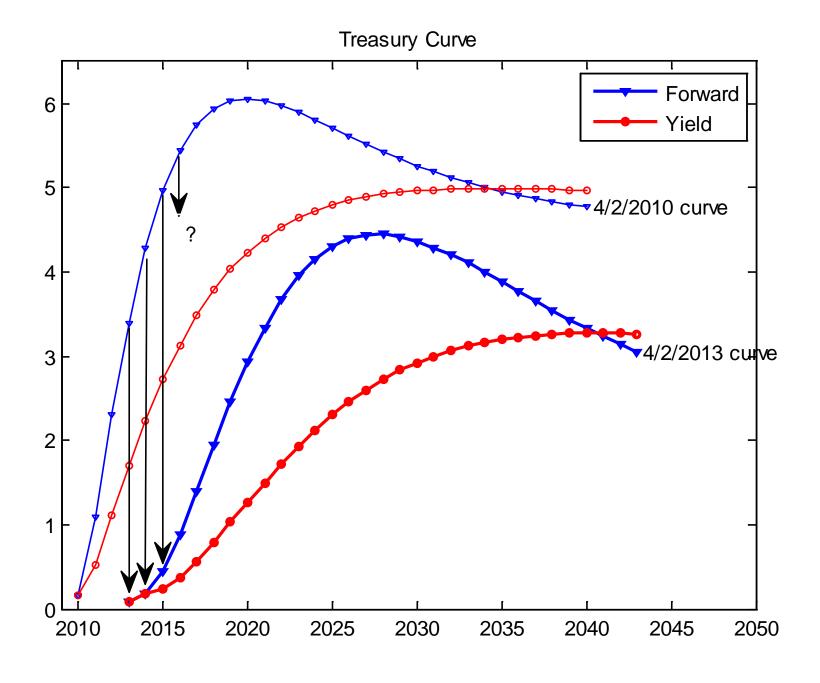


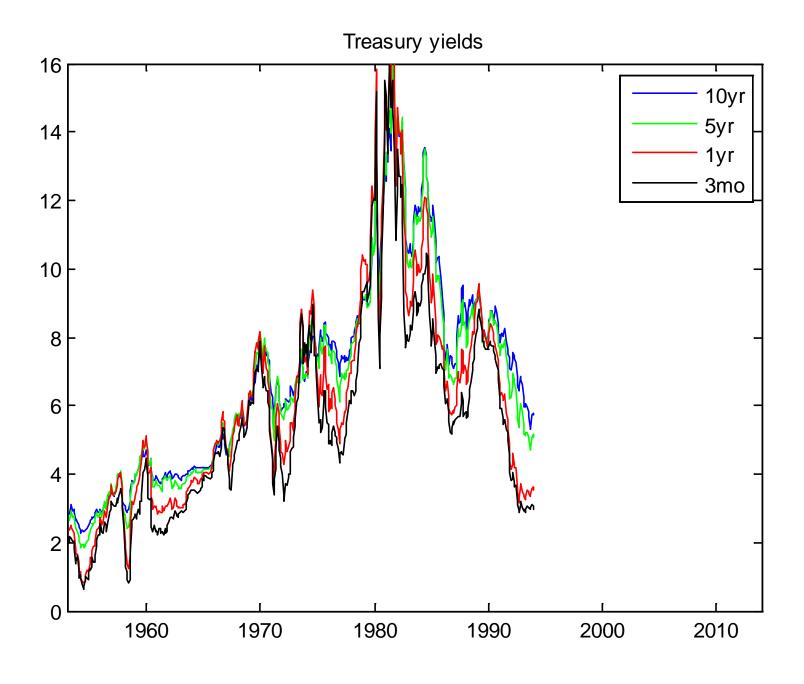












Scenarios

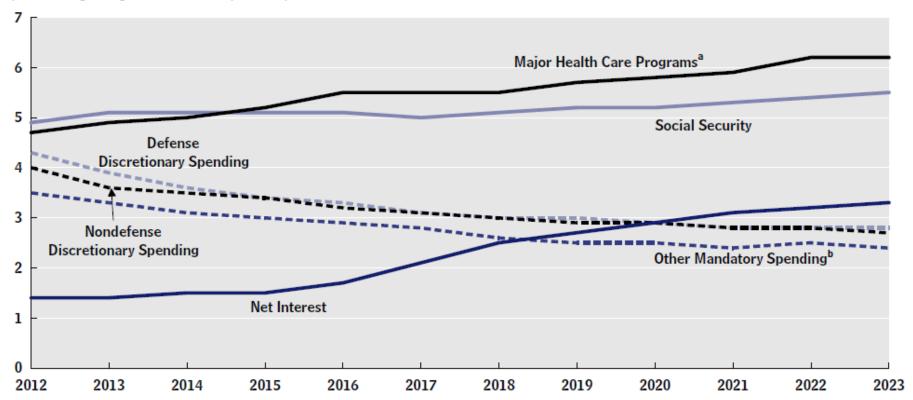
- **Consensus.** Economy improves slowly, slow tightening inflation "anchored." Enough entitlement reform to stop a crisis.
- Japan. 10-20 year stagnation, inflation to zero, rates stay zero, great time to hold long term bonds. Debt builds up to magical levels (200%+ GDP)
- Mild crisis. Inflation to 3-4%, Fed tries to tighten, can't from fiscal / bank/ political limits, stagflation breaks out.
- Severe crisis 1: Rates rise, debt spiral
- Severe crisis 2: Europe, state bankruptcy, etc. trigger "run on long sovereign debt" then "run on dollar."
- Miracle of common sense: Tax reform, entitlement reform, structural reform, return to strong growth, pay off debt, inflation stays low.
- Forward curve: Averages all these + risk premiums.
- What to do: Wise portfolio allocation starts with risk management not alpha.

The End

Figure 1-3.

Projected Spending in Major Budget Categories

(Percentage of gross domestic product)



Source: Congressional Budget Office.

- Includes Medicare (net of receipts from premiums), Medicaid, the Children's Health Insurance Program, and subsidies offered through new health insurance exchanges and related spending.
- b. Other than mandatory spending for major health care programs and Social Security.

Figure 2-4.

Actual Values and CBO's Projections of Key Economic Indicators

