



What Are the Chances?

A quick glance through newspapers and economics web sites yields any number of assessments about the probability that the economy is in or will enter a recession. How are such probabilities calculated? Some are likely back-of-the-envelope calculations; however, several academic researchers have devoted considerable time toward discerning recessions in as timely and accurate a fashion as possible.

One such group of researchers is the National Bureau of Economic Research (NBER) Business Cycle Dating Committee. They report (with some delay) the months when the economy entered and left a recession and are seen by many as the final authority on the timing of business cycle turning points. The committee defines a recession as “a significant decline in economic activity spread across the economy, lasting more than a few months.” Because gross domestic product (GDP) data are released quarterly and subject to revisions, they also examine a variety of monthly economic indicators. The five most heavily weighted indicators are real GDP, real personal income less transfer payments, payroll employment, industrial production, and real sales of the manufacturing and wholesale-retail trade sectors.¹

Econometricians attempt to assess whether the economy is in recession before the NBER releases its turning points. They construct models predicated on the notion that the economy has two unobservable distinct states—expansion and recession. For example, Marcelle Chauvet and James Hamilton use the most recent revisions of GDP, including the advance estimate for the most recent quarter, to obtain an index that reflects the likelihood that the previous quarter was in recession. According to their model, a recession begins when the index rises above 65 percent and ends when it falls below 35 percent. After the advance second-quarter GDP estimate was released in July, the recession probability index for 2007:Q1 was 26.2 percent, up from 16.9 percent for 2006:Q4, but still not at recession level.²

Using a similar method, Marcelle Chauvet and Jeremy Piger construct a monthly recession probability series: They use the same main indicators as the NBER, with the exception of real GDP, and estimate each probability by using all available

manufacturing and trade sales data along with employment, industrial production, and personal income less transfer payments (the sales data are released a month later). Their probability of recession has been around 1 percent since October 2005.³

To compare the different recession probabilities, we plotted the former series along with the quarterly averages of the latter series, as well as the NBER turning points. As the chart shows, the resulting probabilities from both statistical methods spike around the time of the NBER’s recession dates. Because the data they use are similar, the Chauvet-Piger method more closely fits the NBER turning points. However, small disparities between the results of each method persist. It may be that only when these recession probabilities are very high—say, above 65 percent—can we have confidence in a model’s accuracy.

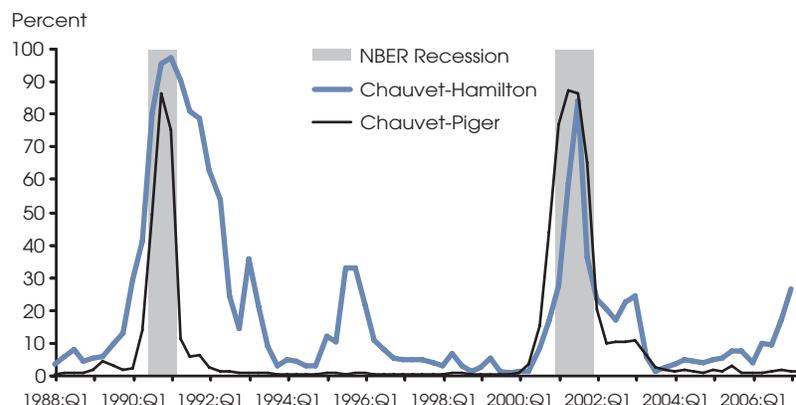
—Kristie M. Engemann and Michael T. Owyang

¹Business Cycle Dating Committee, NBER. “The NBER’s Business-Cycle Dating Procedure,” released October 21, 2003.

²Chauvet, Marcelle and Hamilton, James D. “Dating Business Cycle Turning Points.” NBER Working Paper No. 11422, June 2005; and blog post by James Hamilton, July 27, 2007, www.econbrowser.com/archives/2007/07/recession_proba_2.html.

³Chauvet, Marcelle and Piger, Jeremy. “A Comparison of the Real-Time Performance of Business Cycle Dating Methods.” *Journal of Business and Economic Statistics*, forthcoming; and www.uoregon.edu/~jpiger/us_recession_probs.htm.

Recession Probabilities



SOURCE: James D. Hamilton, www.econbrowser.com; Jeremy Piger, www.uoregon.edu/~jpiger/us_recession_probs.htm.

Views expressed do not necessarily reflect official positions of the Federal Reserve System.

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Conventions used in this publication:

1. Shaded areas indicate recessions, as determined by the National Bureau of Economic Research.
2. *Percent change* refers to simple percent changes. *Percent change from year ago* refers to the percent change from the same month or quarter during the previous year. *Compounded annual rate of change* shows what the growth rate would be over an entire year if the same simple percent change continued for four quarters or twelve months. The compounded annual rate of change of x between the previous quarter $t-1$ and the current quarter t is: $[(x_t/x_{t-1})^4 - 1] \times 100$. For monthly data replace 4 with 12.
3. All data with significant seasonal patterns are adjusted accordingly, unless labeled NSA.

We welcome your comments addressed to:

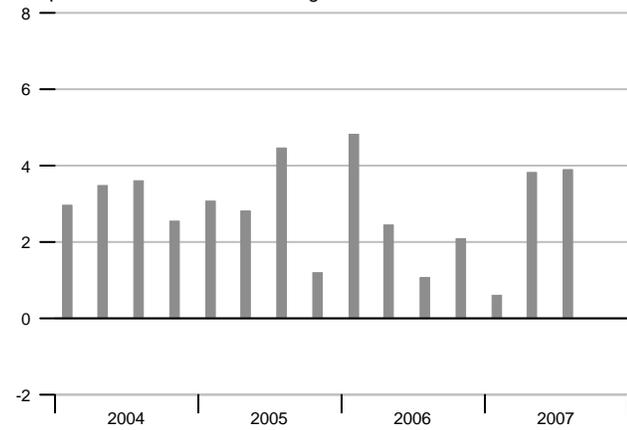
Editor, *National Economic Trends*
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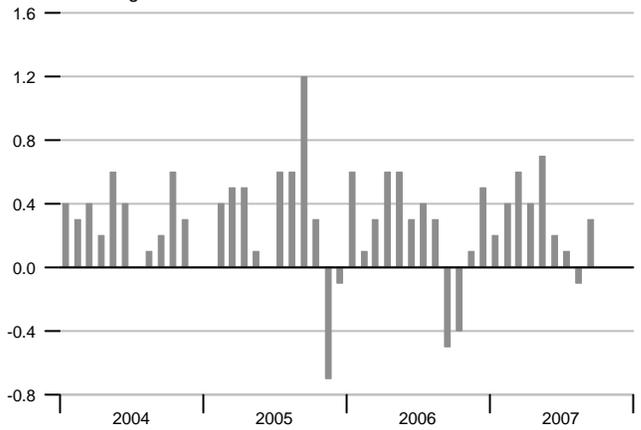
Real GDP Growth

Compounded annual rates of change



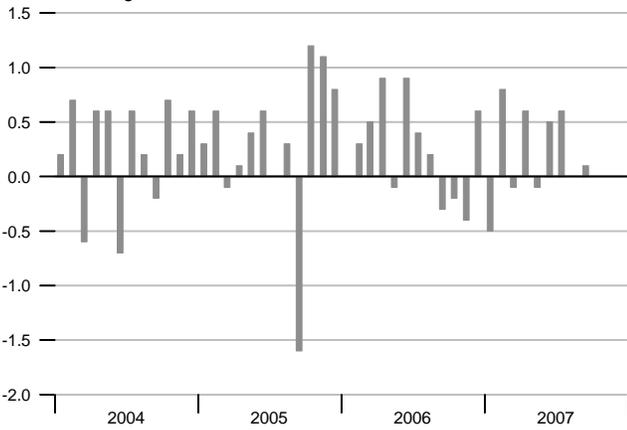
Consumer Price Index

Percent change



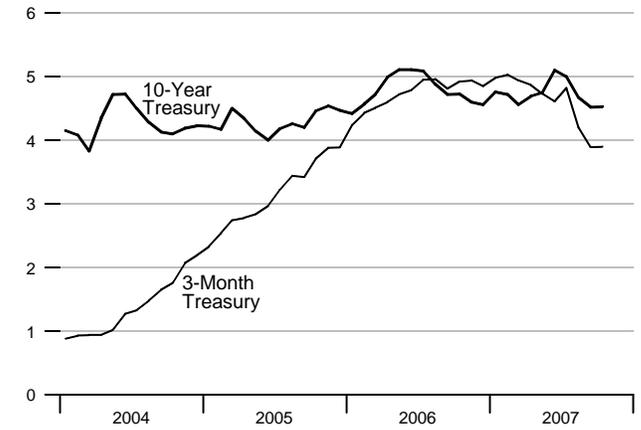
Industrial Production

Percent change



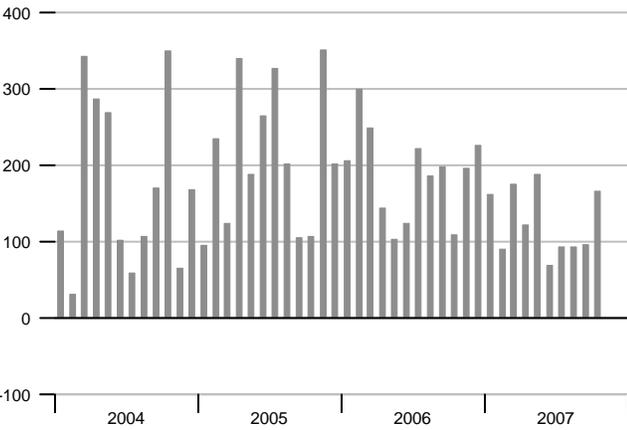
Interest Rates

Percent



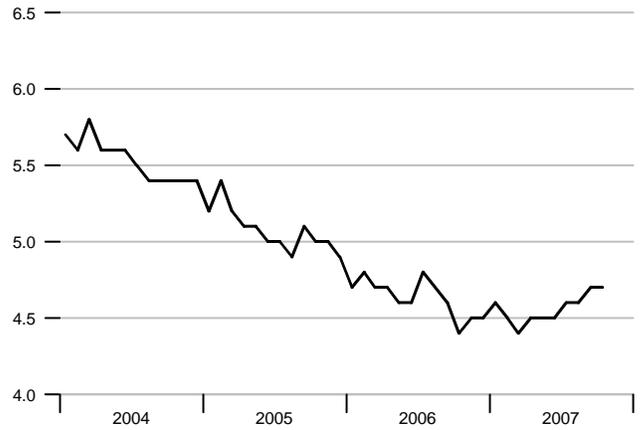
Change in Nonfarm Payrolls

Thousands



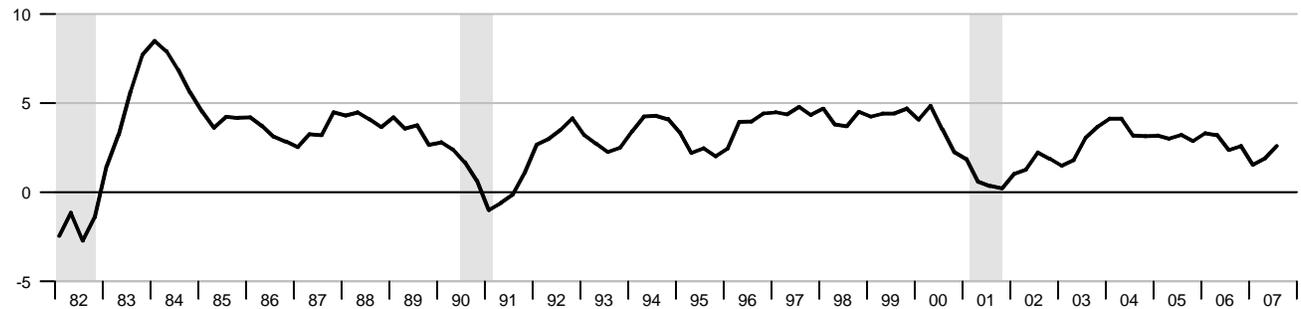
Unemployment Rate

Percent of labor force



Real Gross Domestic Product

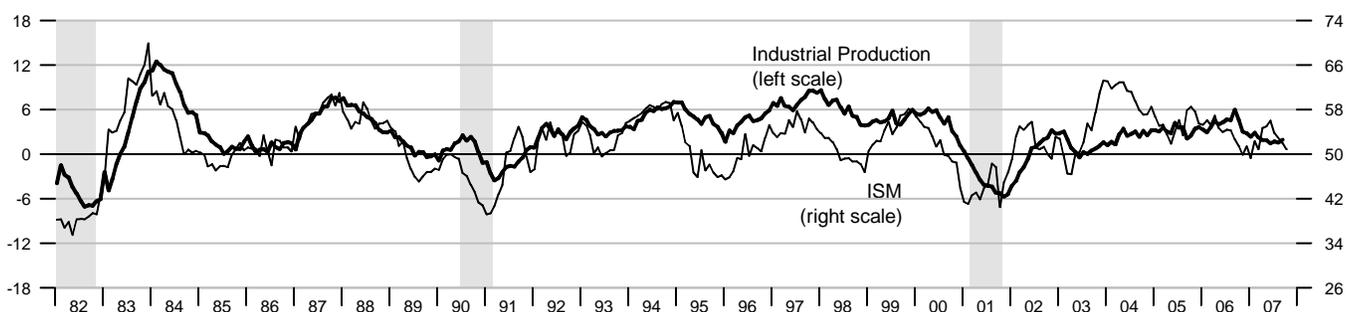
Percent change from year ago



Industrial Production and Institute for Supply Management (ISM) Indexes

Percent change from year ago

Index



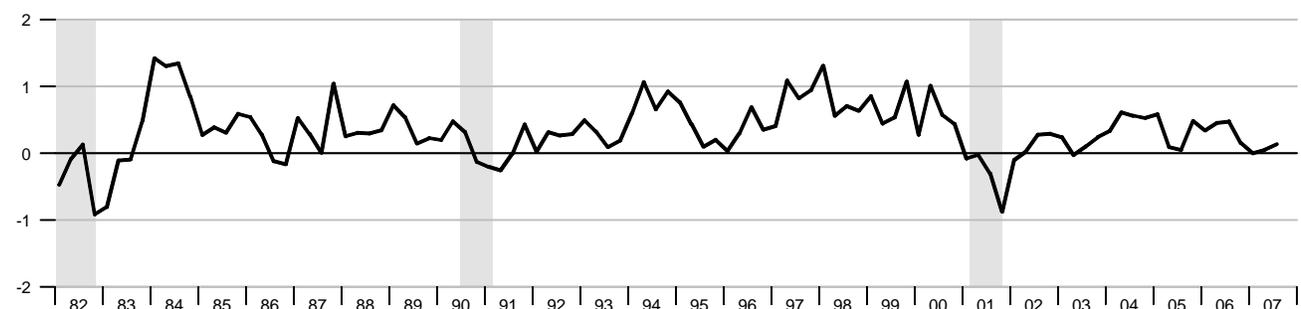
Aggregate Private Nonfarm Hours

Percent change from year ago

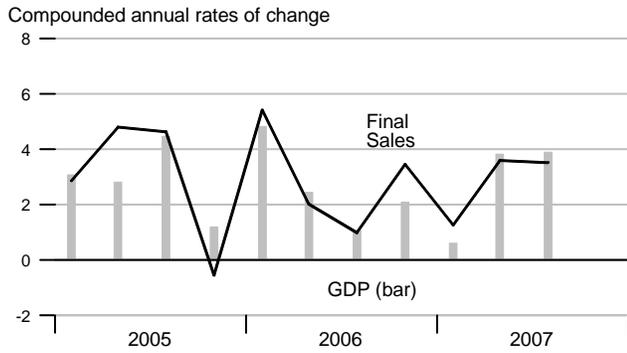


Real Change in Private Inventories

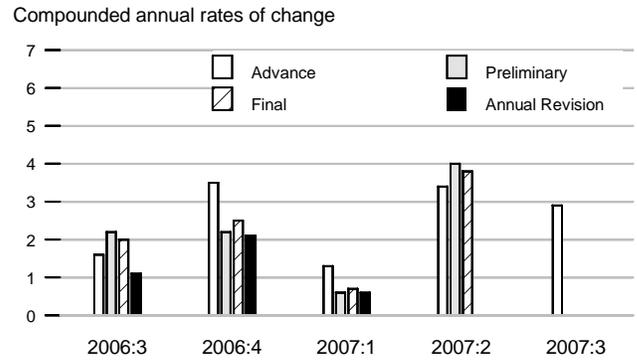
Percent of GDP



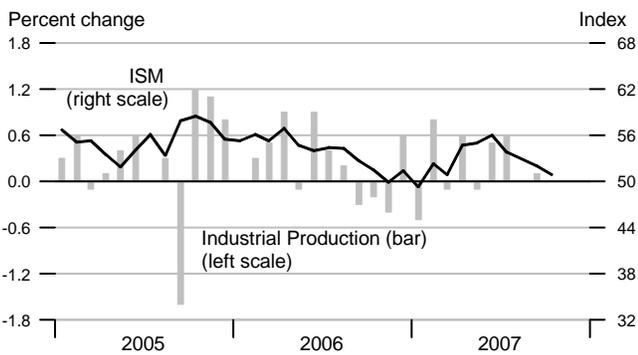
Real Final Sales and GDP



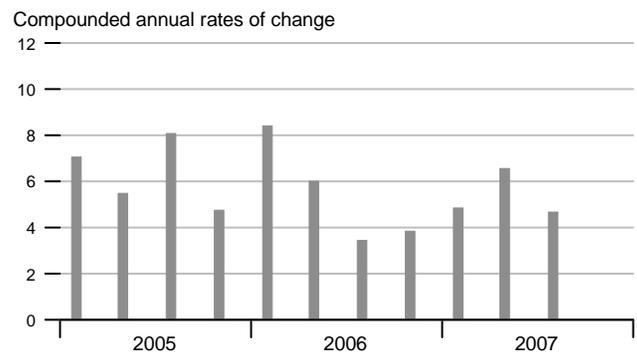
Real GDP Revisions



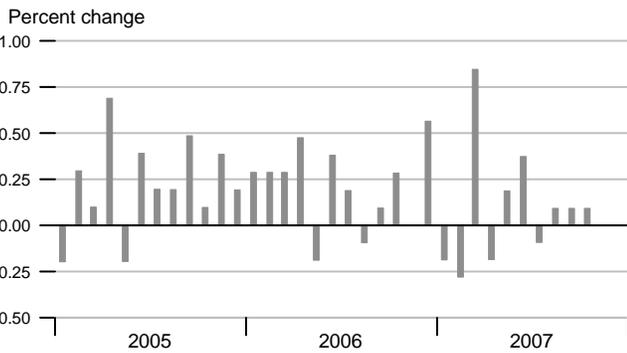
Industrial Production and ISM Index



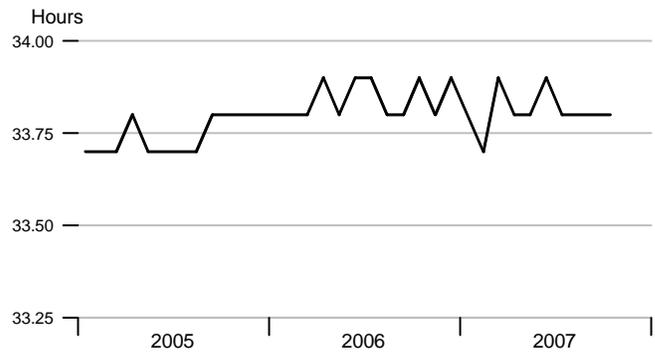
Nominal Gross Domestic Product



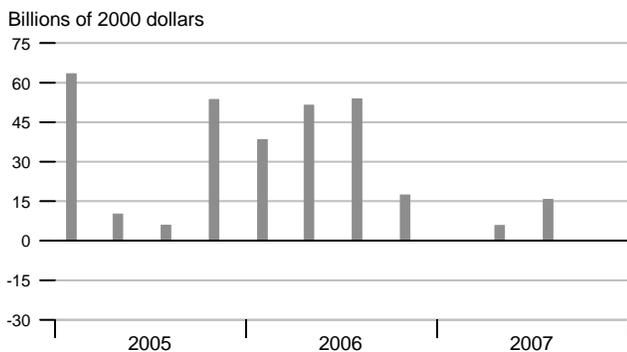
Aggregate Private Nonfarm Hours



Average Weekly Private Nonfarm Hours



Real Change in Private Inventories

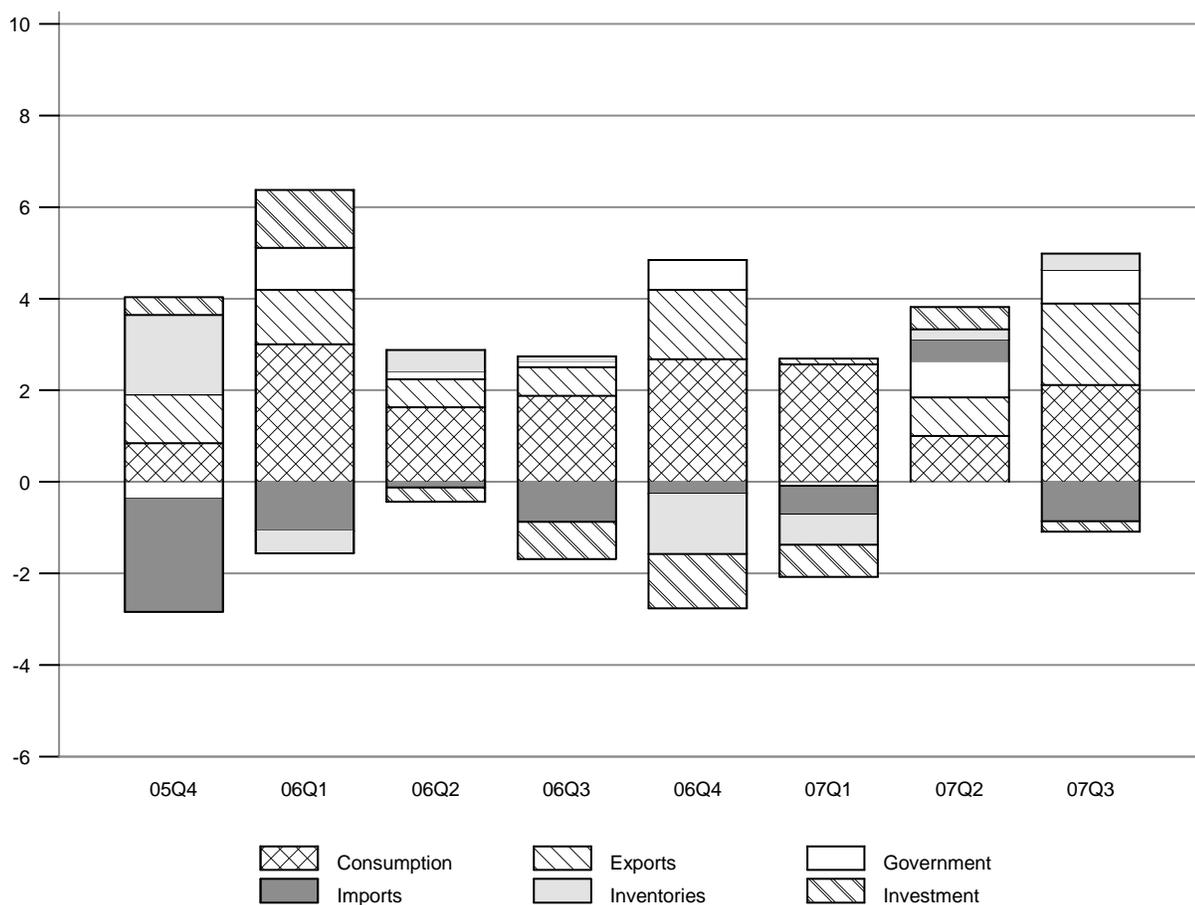


Inventory-Sales Ratio



Contribution of Components to Real GDP Growth

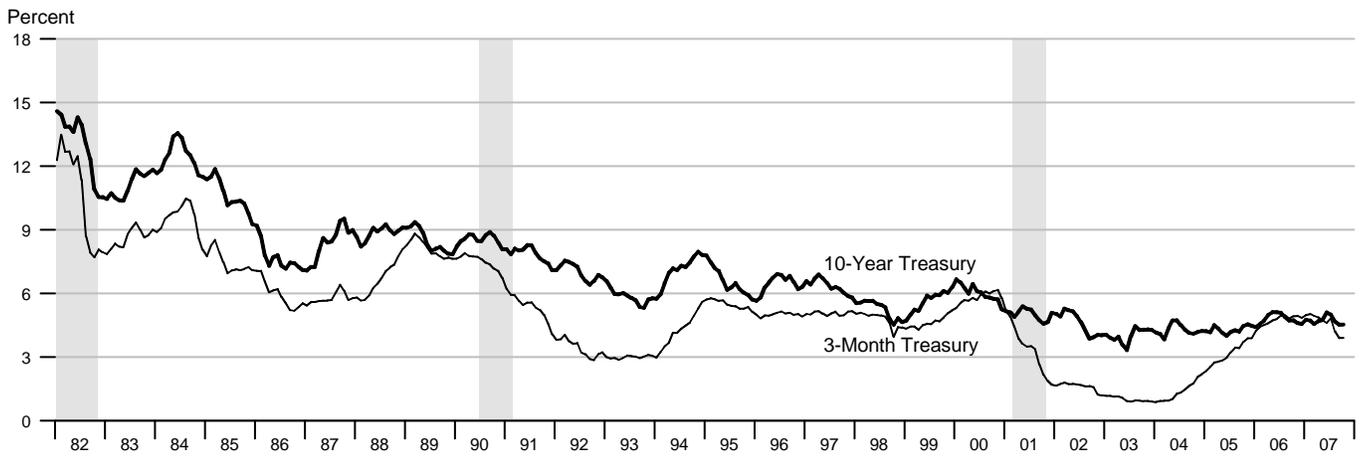
Percentage points at compounded annual rates



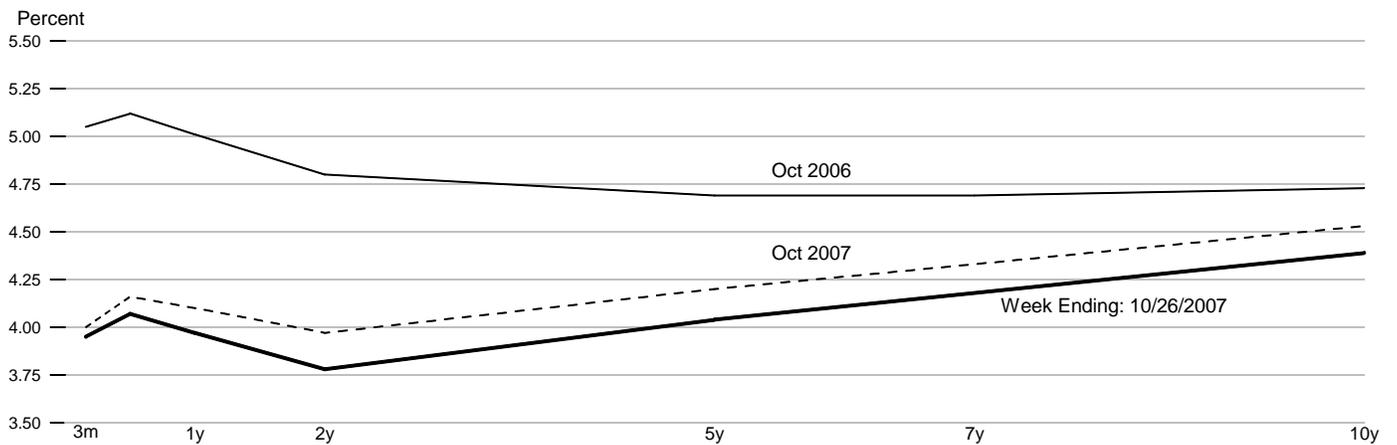
Contributions to Real GDP Growth Rate

| | 2005 | 2006 | | | | 2007 | | |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd |
| Final Sales | -0.55 | 5.31 | 1.98 | 0.97 | 3.40 | 1.25 | 3.60 | 3.54 |
| Consumption | 0.84 | 3.00 | 1.63 | 1.88 | 2.68 | 2.56 | 1.00 | 2.11 |
| Fixed Investment | 0.38 | 1.27 | -0.32 | -0.80 | -1.19 | -0.70 | 0.49 | -0.23 |
| Nonresidential | 0.35 | 1.31 | 0.44 | 0.53 | -0.15 | 0.22 | 1.12 | 0.82 |
| Residential | 0.03 | -0.05 | -0.76 | -1.33 | -1.04 | -0.93 | -0.62 | -1.05 |
| Government | -0.37 | 0.92 | 0.18 | 0.14 | 0.66 | -0.09 | 0.79 | 0.73 |
| Federal | -0.46 | 0.57 | -0.11 | 0.06 | 0.50 | -0.46 | 0.41 | 0.48 |
| State and Local | 0.09 | 0.35 | 0.29 | 0.08 | 0.16 | 0.36 | 0.37 | 0.25 |
| Net Exports | -1.41 | 0.13 | 0.49 | -0.25 | 1.25 | -0.51 | 1.32 | 0.93 |
| Exports | 1.07 | 1.19 | 0.61 | 0.62 | 1.51 | 0.13 | 0.85 | 1.79 |
| Imports | -2.47 | -1.07 | -0.12 | -0.88 | -0.26 | -0.63 | 0.47 | -0.86 |
| Change in Inventory | 1.74 | -0.49 | 0.46 | 0.10 | -1.31 | -0.65 | 0.22 | 0.36 |
| Residual | -0.08 | -0.11 | -0.19 | -0.26 | -0.19 | -0.22 | -0.15 | -0.21 |
| Real GDP Growth | 1.19 | 4.82 | 2.44 | 1.07 | 2.09 | 0.60 | 3.82 | 3.90 |

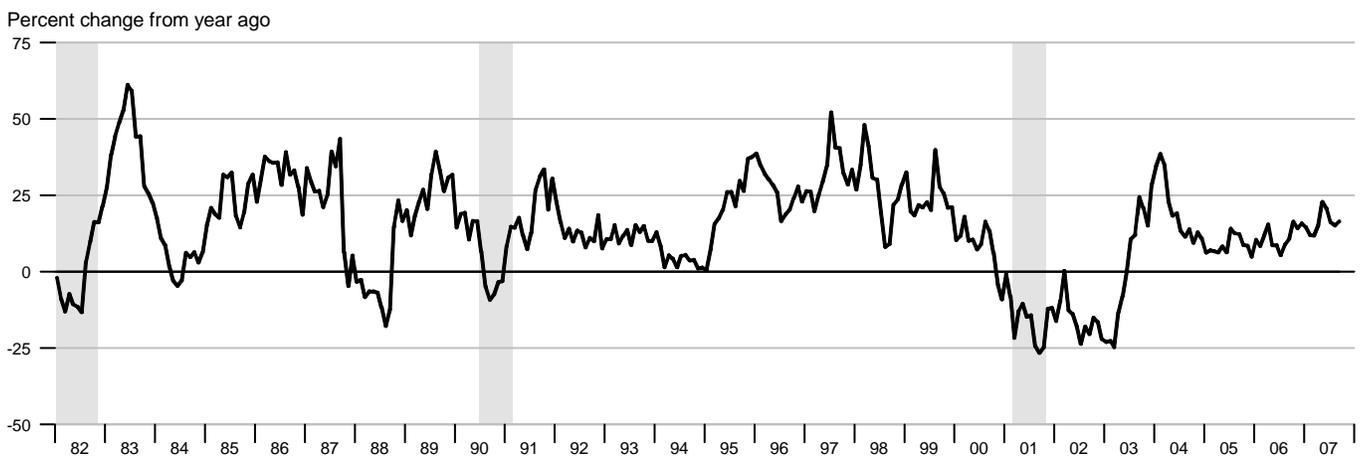
Interest Rates



Treasury Yield Curve

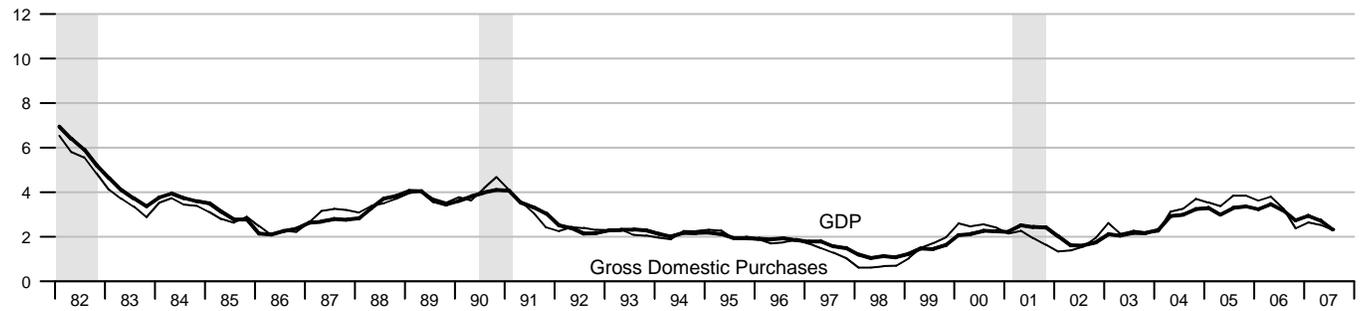


Standard and Poor's 500 Index with Reinvested Dividends



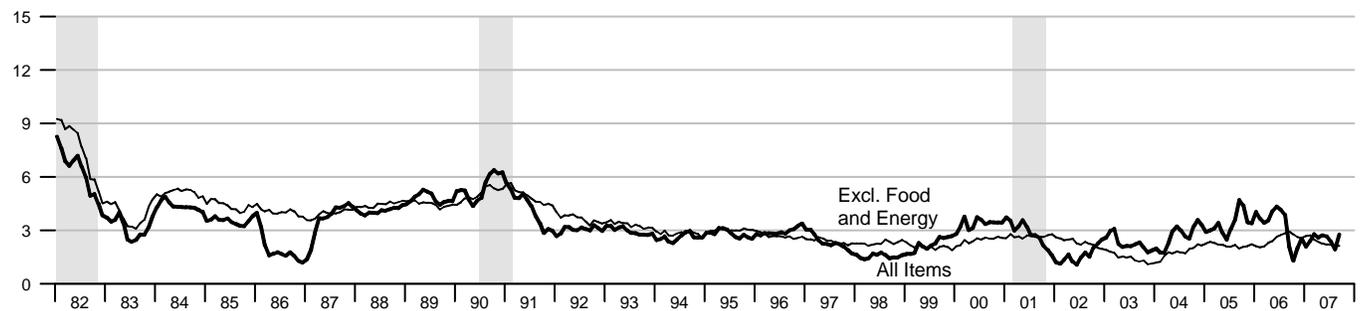
NIPA Chain Price Indexes

Percent change from year ago



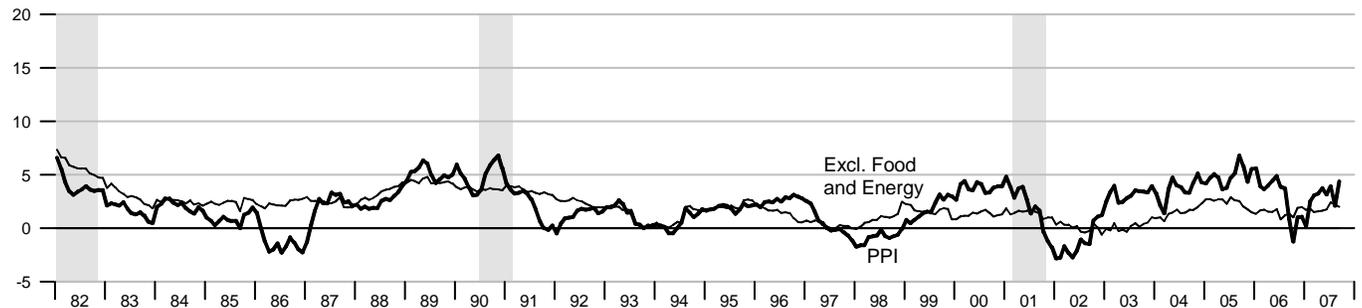
Consumer Price Index

Percent change from year ago



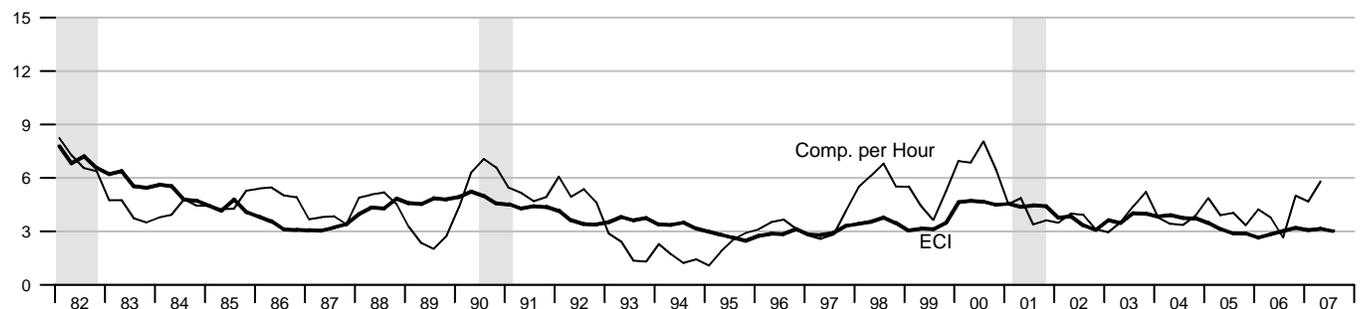
Producer Price Index, Finished Goods

Percent change from year ago

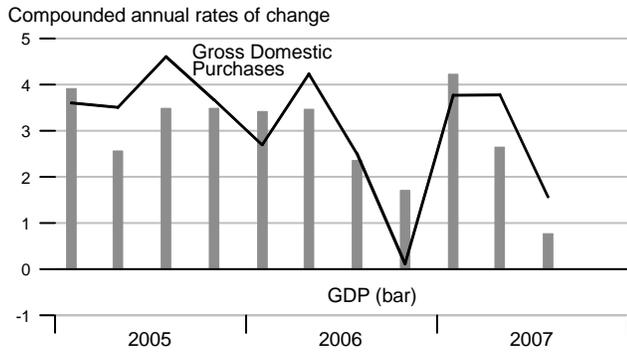


Employment Cost Index and Compensation per Hour

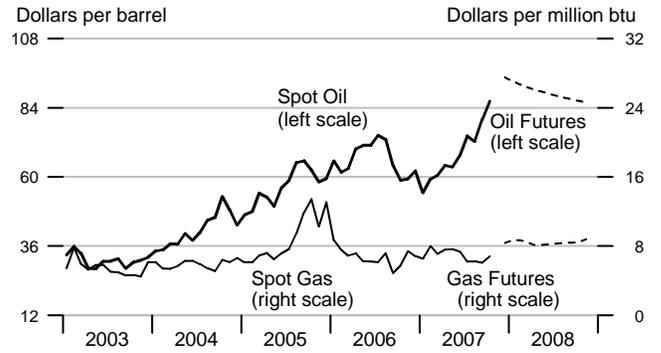
Percent change from year ago



NIPA Chain Price Indexes

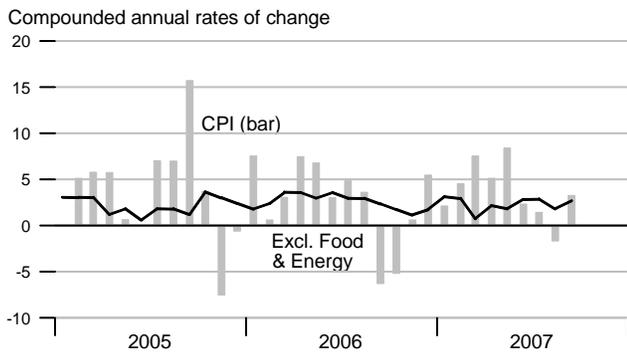


Oil & Natural Gas Prices: Spot & Futures

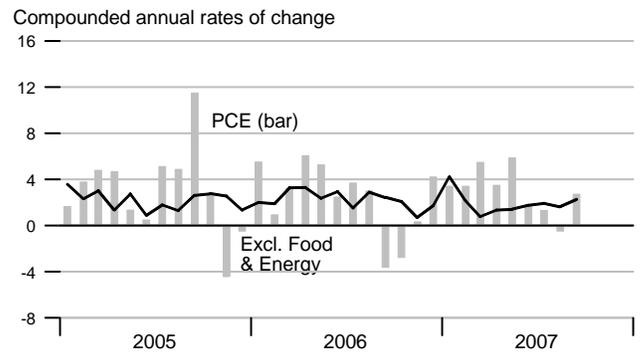


Note: Futures prices as of 10/31/2007.

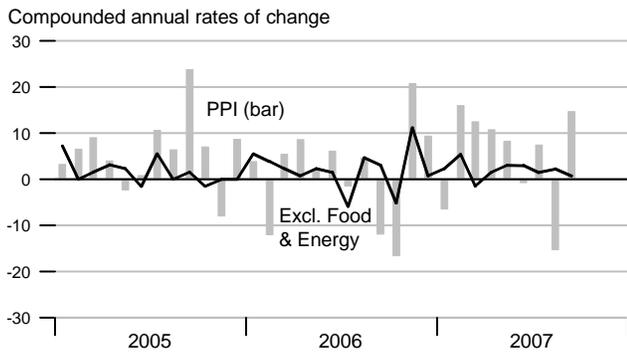
Consumer Price Index



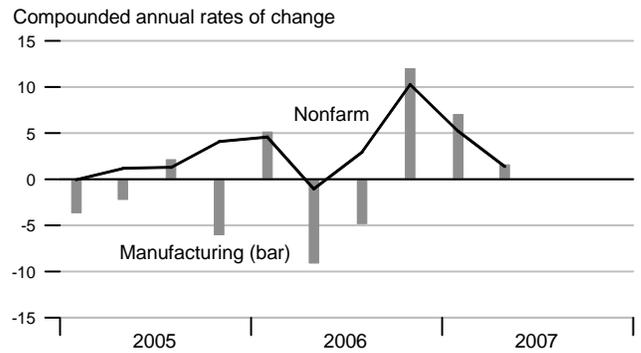
Consumption Chain Price Index



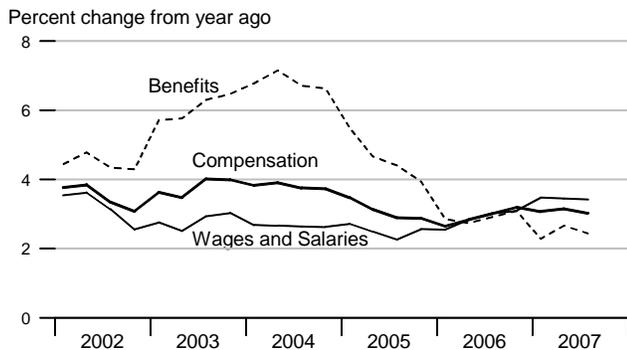
Producer Price Index, Finished Goods



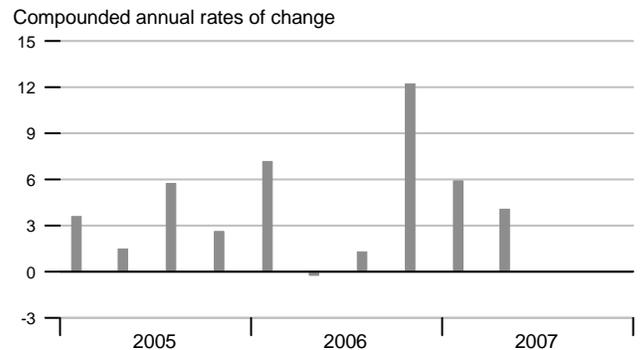
Unit Labor Cost



Employment Cost Index

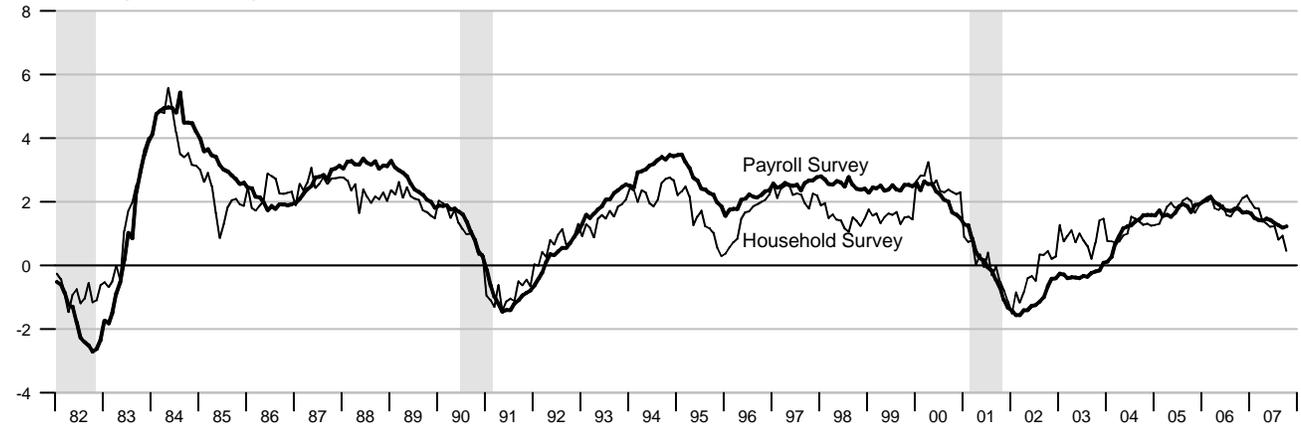


Compensation per Hour



Employment

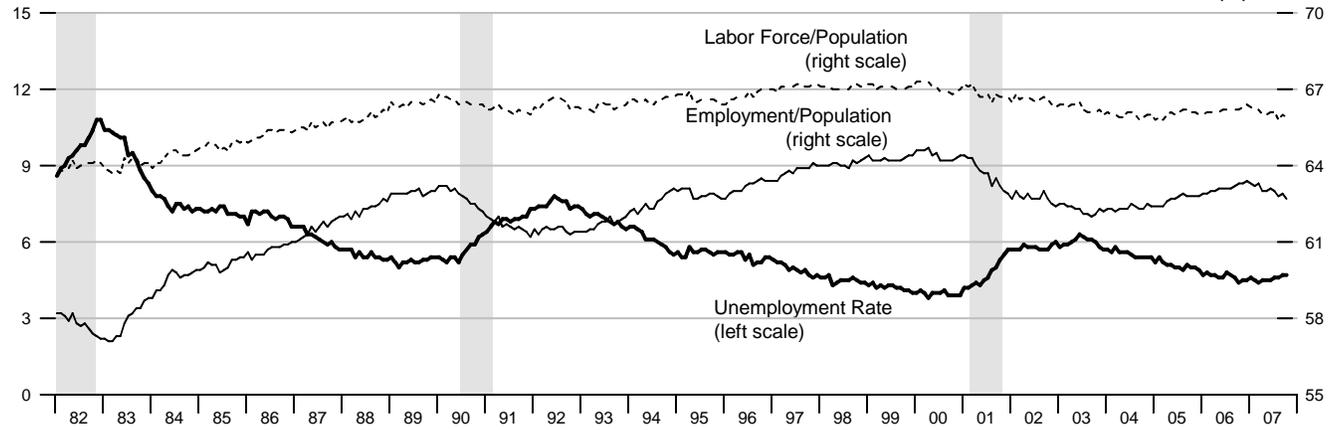
Percent change from year ago



Unemployment, Labor Force Participation, and Employment Rates

Percent of labor force

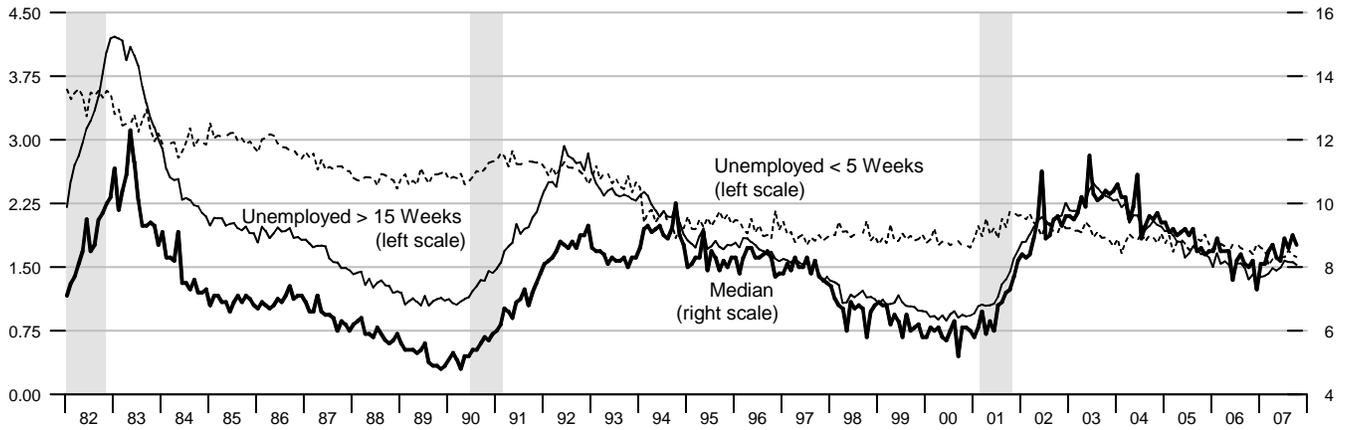
Percent of population



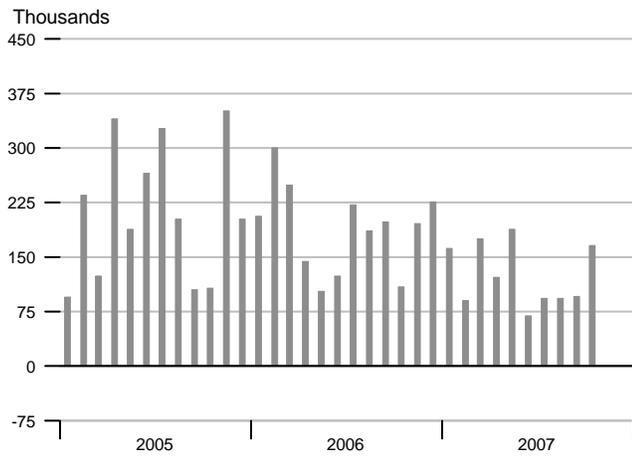
Duration of Unemployment

Percent of labor force

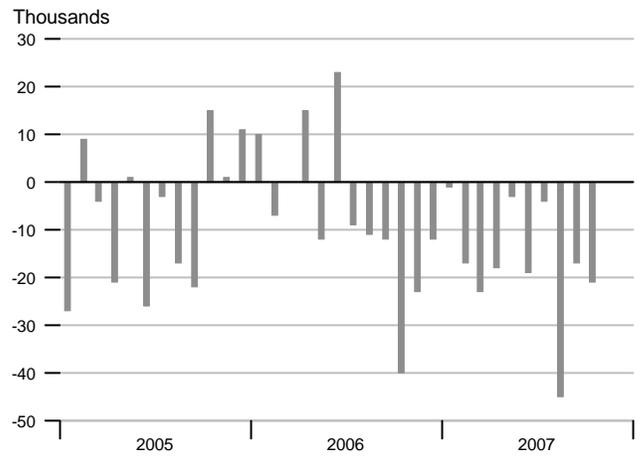
Weeks



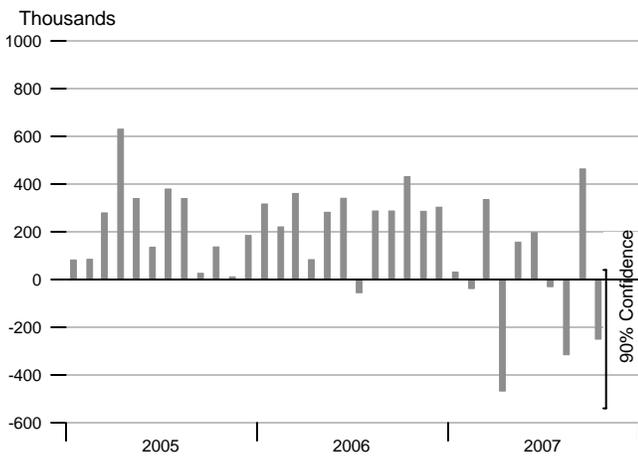
Change in Nonfarm Payrolls



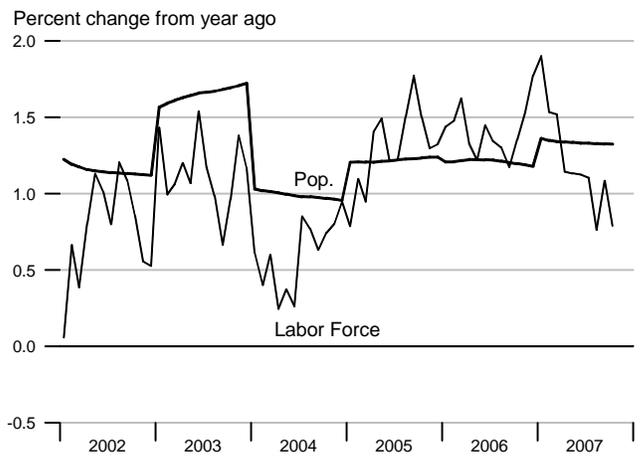
Change in Manufacturing Payrolls



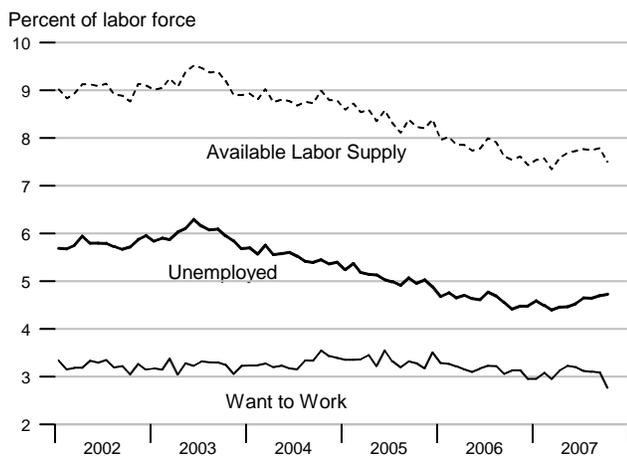
Change in Household Employment



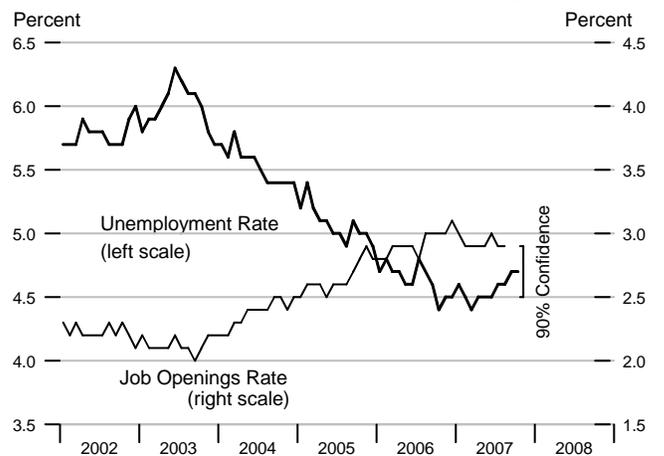
Labor Force and Population



Available Labor Supply and Components

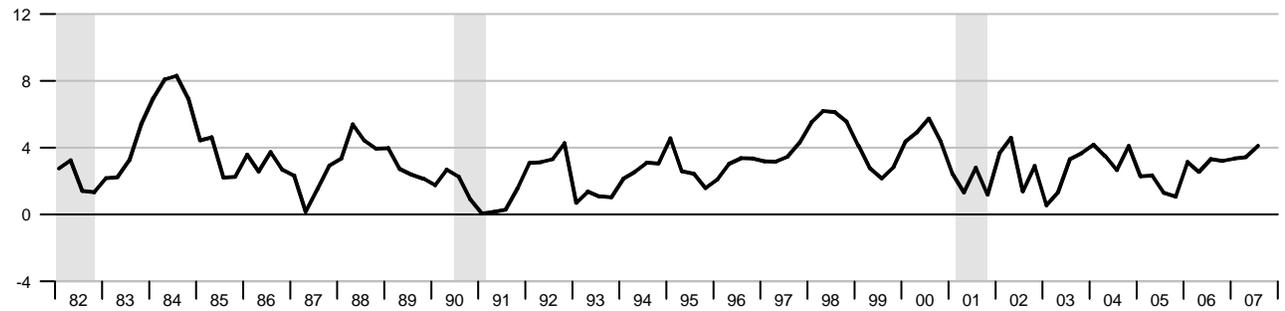


Unemployment Rate & Job Openings Rate



Real Disposable Personal Income

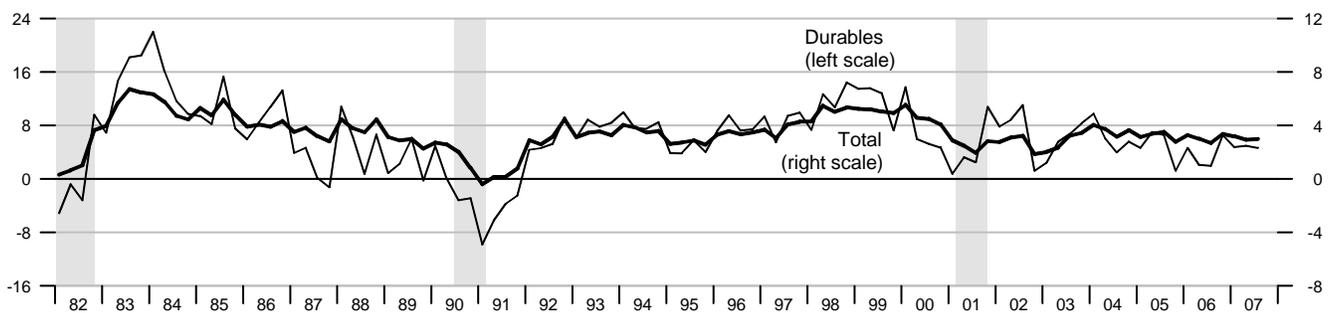
Percent change from year ago, quarterly data



Real Consumption

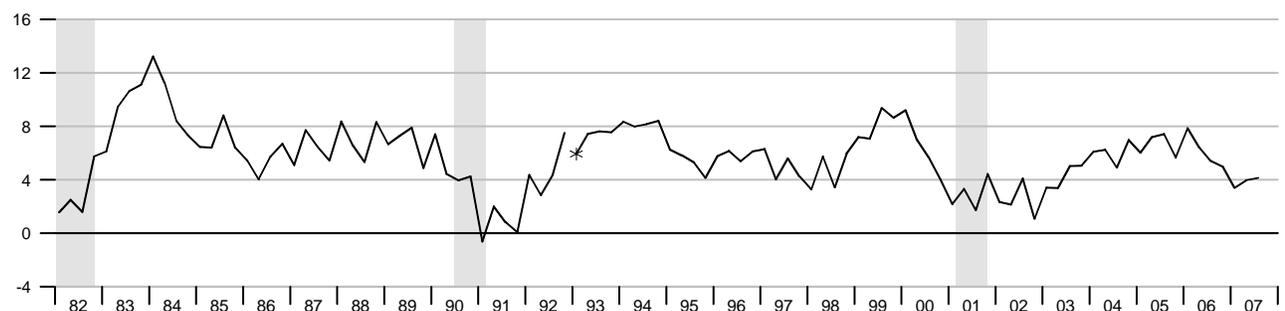
Percent change from year ago, quarterly data

Percent change from year ago, quarterly data



Retail and Food Services Sales

Percent change from year ago, quarterly average

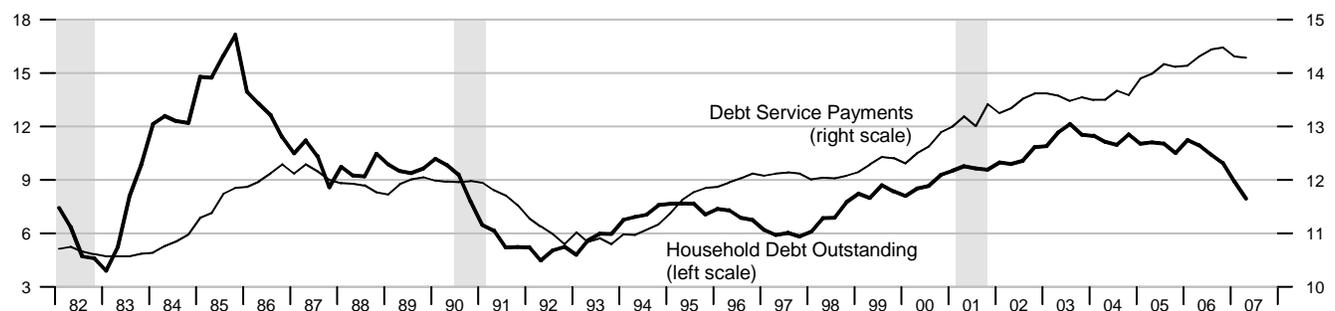


*Data from Jan. 1992 to the present are on a NAICS basis; data prior to Jan. 1992 are on an SIC basis and are not strictly comparable (see End Note).

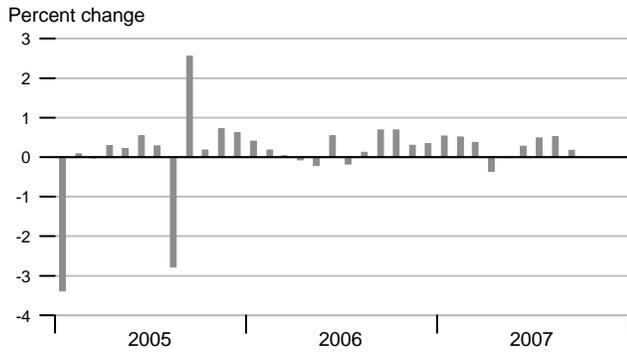
Debt Service Payments and Household Debt Outstanding

Percent change from year ago, quarterly data

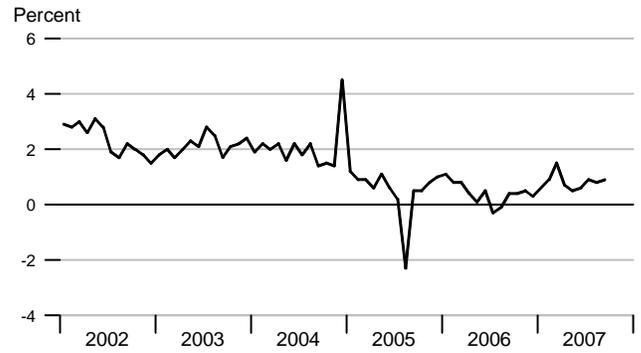
Percent of disposable personal income



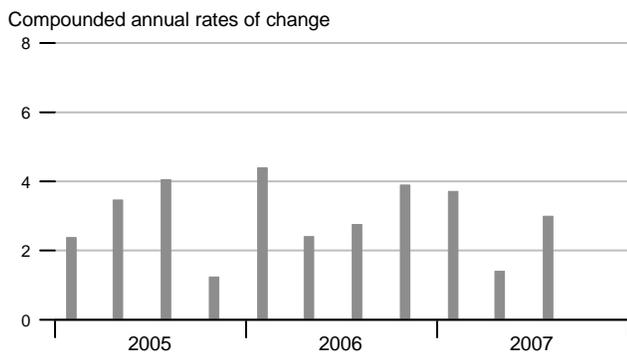
Real Disposable Personal Income



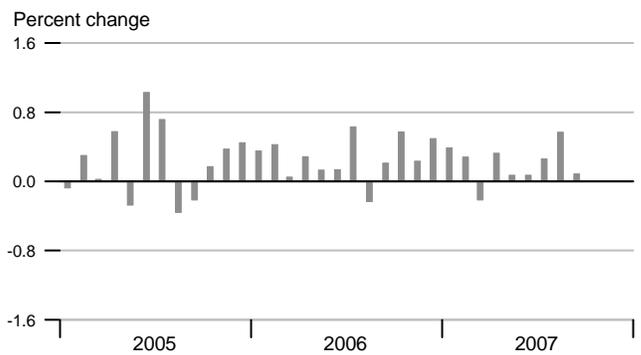
Personal Saving Rate



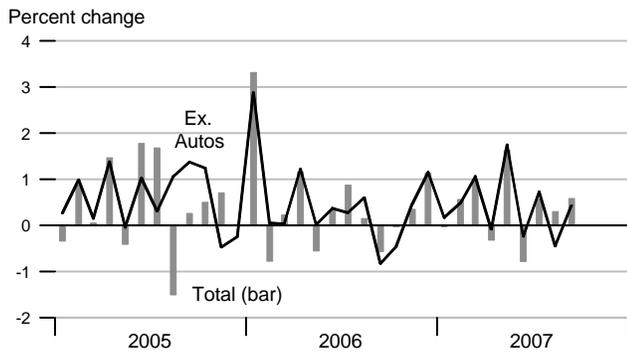
Real Consumption



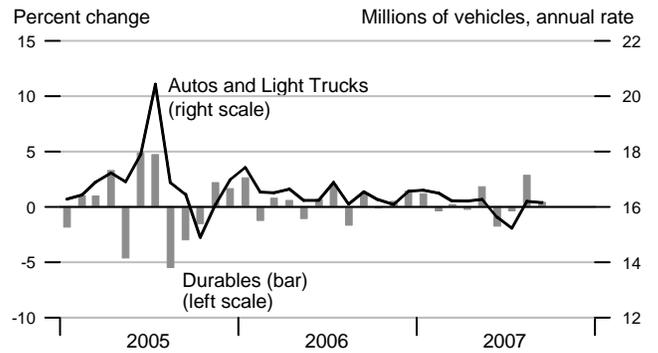
Real Consumption



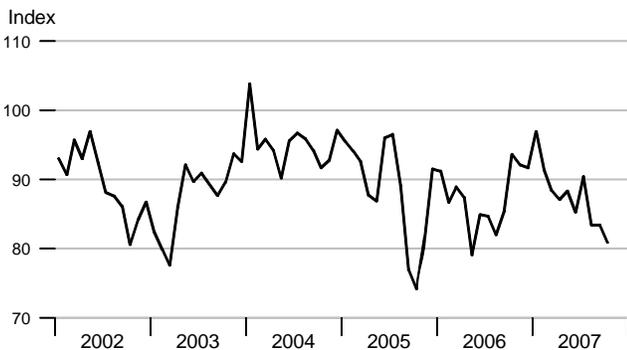
Retail & Food Services



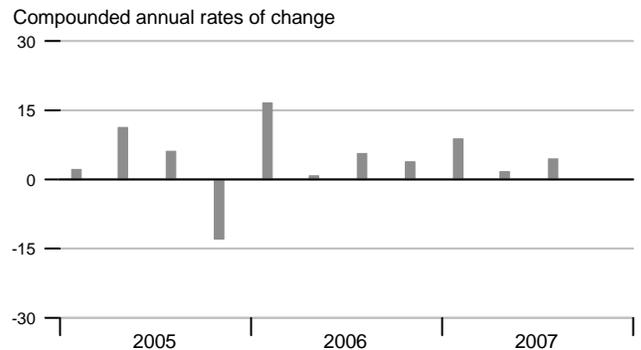
Real Durables Consumption & Vehicle Sales



Consumer Sentiment (U. of Michigan)

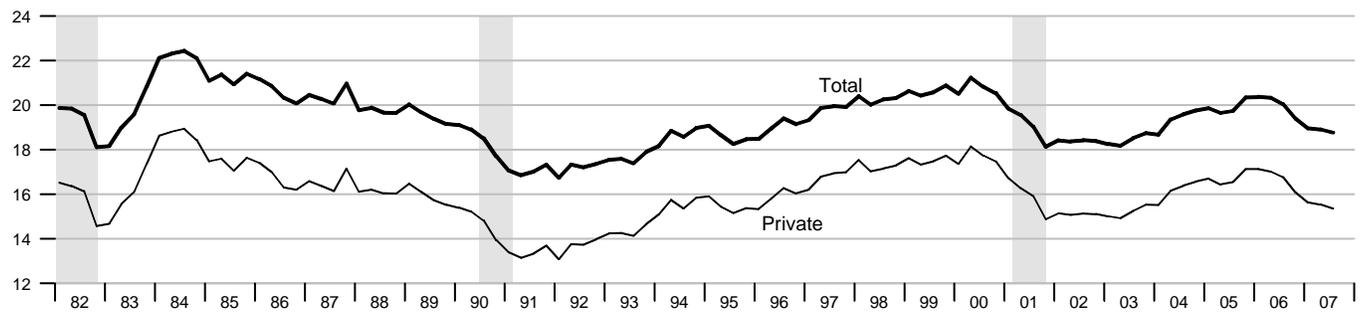


Real Durables Consumption



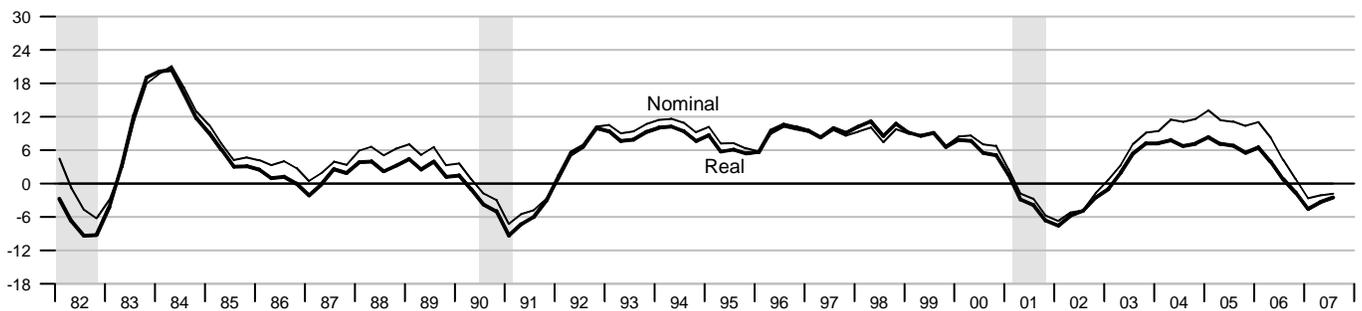
Investment

Percent of nominal GDP



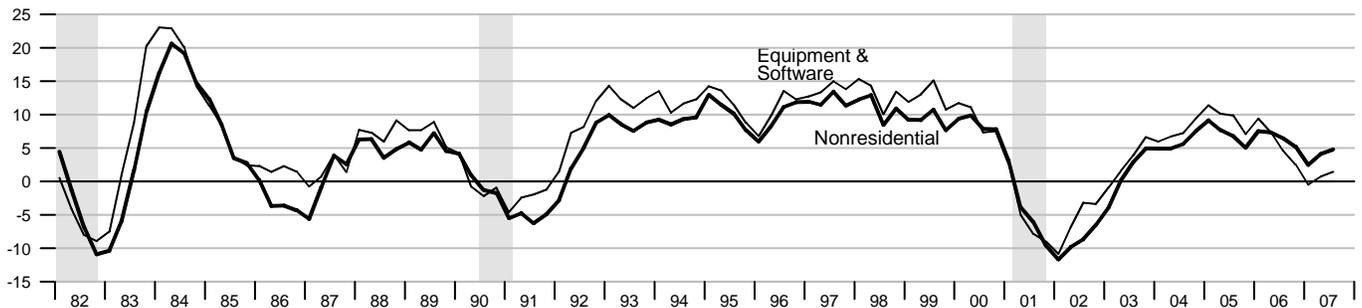
Private Fixed Investment

Percent change from year ago



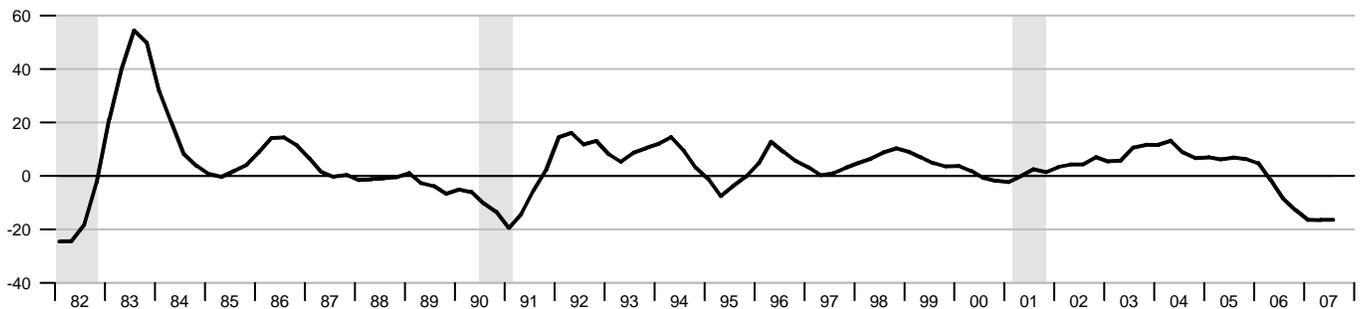
Real Nonresidential Fixed and Equipment & Software Investment

Percent change from year ago

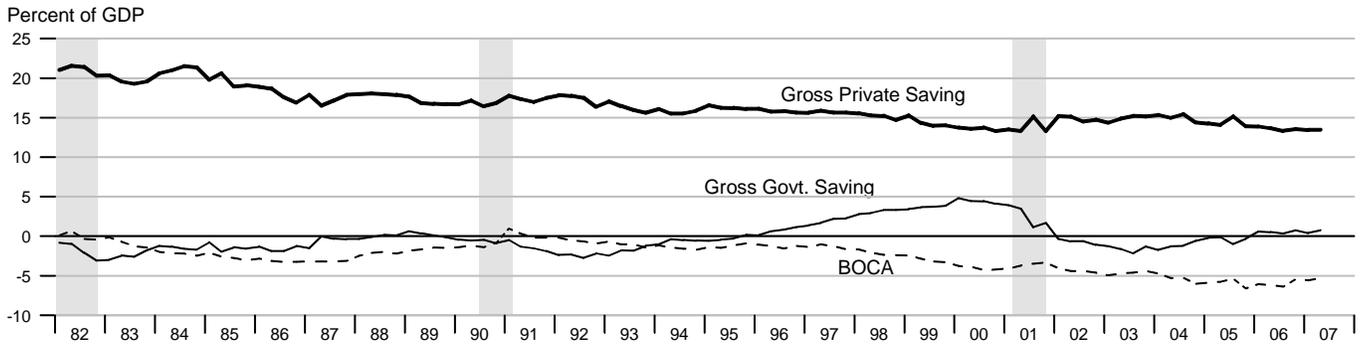


Real Residential Fixed Investment

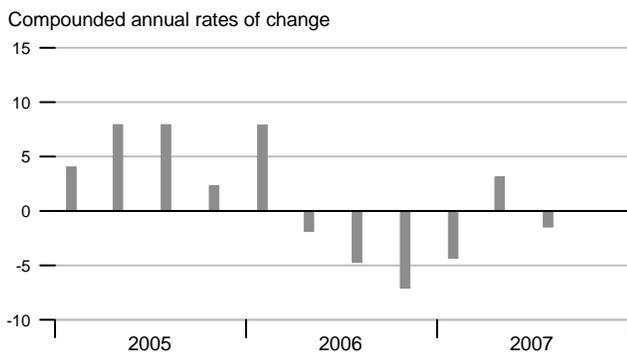
Percent change from year ago



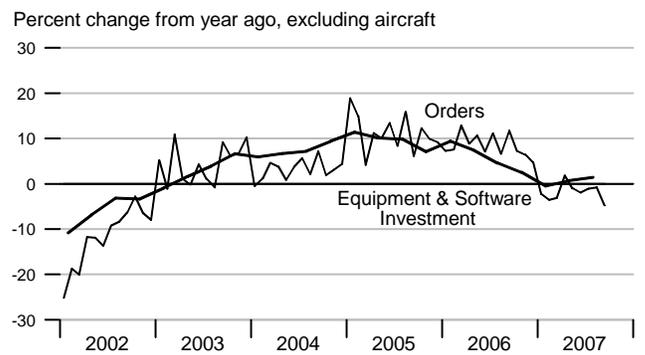
Gross Saving Rates and Balance on Current Account (NIPA)



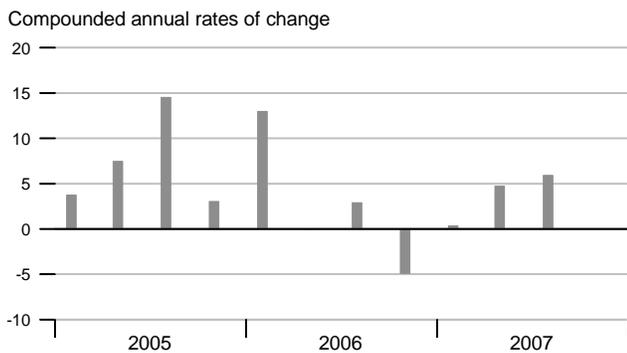
Real Private Fixed Investment



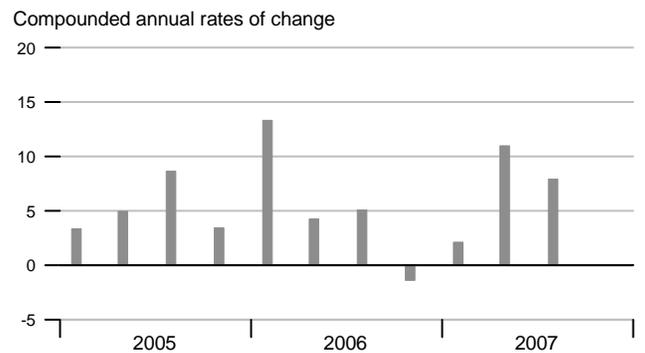
Nondefense Capital Goods Orders



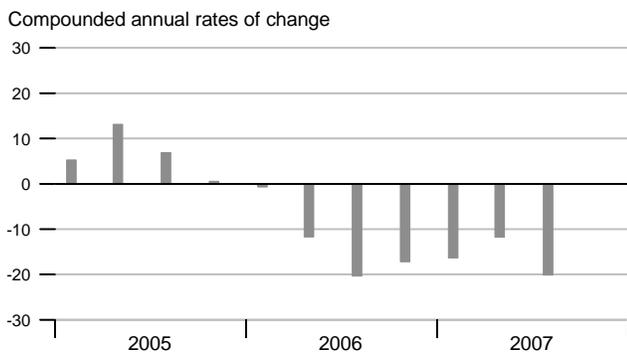
Real Equipment & Software Investment



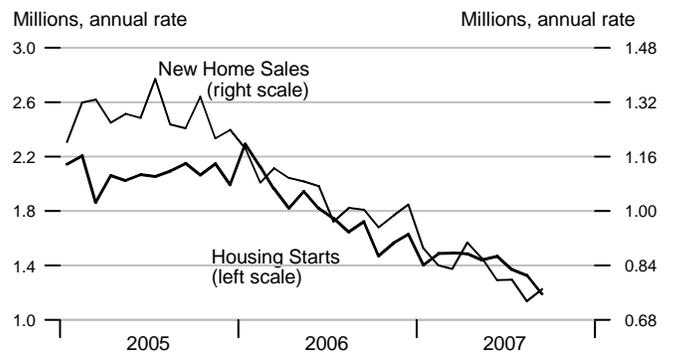
Real Nonresidential Fixed Investment



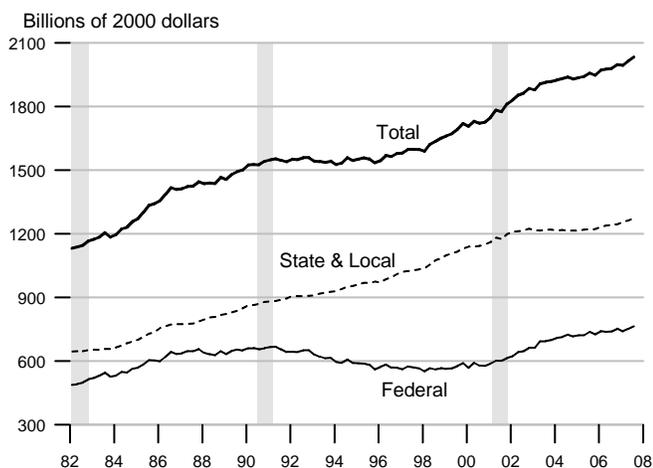
Real Residential Fixed Investment



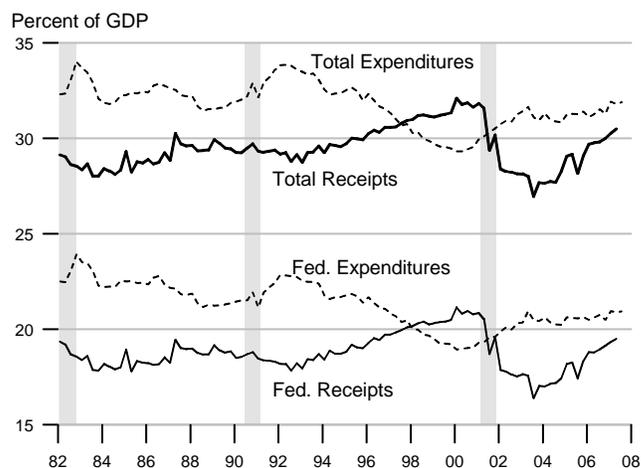
Housing Starts and New Home Sales



Govt. Consumption and Investment



Govt. Current Receipts and Expenditures



Government Budgets

Billions of dollars

National Income Accounts

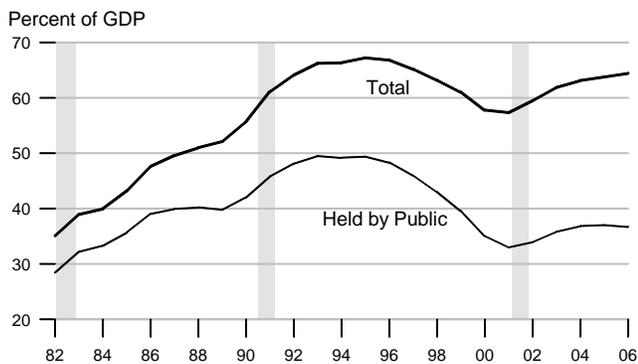
Calendar Years

Unified Budget

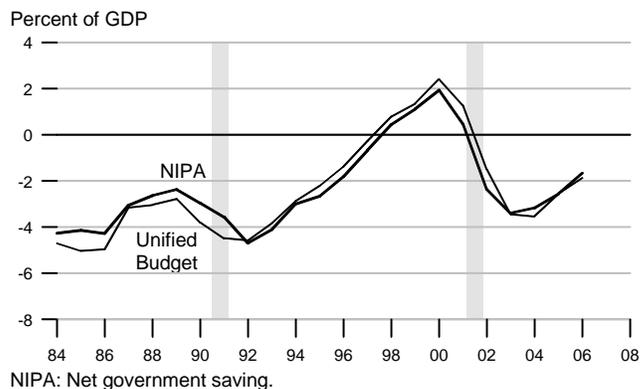
Fiscal Years

| | State and Local | | | Federal | | | Federal | | |
|--------|-----------------|--------------|------------------------|----------|--------------|------------------------|----------|---------|------------------------|
| | Receipts | Expenditures | Surplus or Deficit (-) | Receipts | Expenditures | Surplus or Deficit (-) | Receipts | Outlays | Surplus or Deficit (-) |
| 1991 | 789.2 | 793.3 | -4.1 | 1101.3 | 1315.0 | -213.7 | 1055.1 | 1324.3 | -269.2 |
| 1992 | 845.7 | 845.0 | 0.7 | 1147.2 | 1444.6 | -297.4 | 1091.3 | 1381.6 | -290.3 |
| 1993 | 886.9 | 886.0 | 0.9 | 1222.5 | 1496.0 | -273.5 | 1154.5 | 1409.5 | -255.1 |
| 1994 | 942.9 | 932.4 | 10.5 | 1320.8 | 1533.1 | -212.3 | 1258.7 | 1461.9 | -203.2 |
| 1995 | 990.2 | 978.2 | 12.0 | 1406.5 | 1603.5 | -197.0 | 1351.9 | 1515.9 | -164.0 |
| 1996 | 1043.3 | 1017.5 | 25.8 | 1524.0 | 1665.8 | -141.8 | 1453.2 | 1560.6 | -107.4 |
| 1997 | 1097.4 | 1058.3 | 39.1 | 1653.1 | 1708.9 | -55.8 | 1579.4 | 1601.3 | -21.9 |
| 1998 | 1163.2 | 1111.2 | 52.0 | 1773.8 | 1734.9 | 38.9 | 1722.0 | 1652.7 | 69.3 |
| 1999 | 1236.7 | 1186.3 | 50.4 | 1891.2 | 1787.6 | 103.6 | 1827.6 | 1702.0 | 125.6 |
| 2000 | 1319.5 | 1269.5 | 50.0 | 2053.8 | 1864.4 | 189.4 | 2025.5 | 1789.2 | 236.2 |
| 2001 | 1373.0 | 1368.2 | 4.8 | 2016.2 | 1969.5 | 46.7 | 1991.4 | 1863.2 | 128.2 |
| 2002 | 1410.1 | 1444.3 | -34.2 | 1853.2 | 2101.1 | -247.9 | 1853.4 | 2011.2 | -157.8 |
| 2003 | 1494.2 | 1514.5 | -20.3 | 1879.9 | 2252.1 | -372.2 | 1782.5 | 2160.1 | -377.6 |
| 2004 | 1594.3 | 1592.8 | 1.5 | 2008.9 | 2379.5 | -370.6 | 1880.3 | 2293.0 | -412.7 |
| 2005 | 1706.9 | 1691.7 | 15.2 | 2243.4 | 2561.6 | -318.2 | 2153.9 | 2472.2 | -318.3 |
| 2006 | 1797.7 | 1773.0 | 24.7 | 2495.8 | 2715.8 | -220.0 | 2407.3 | 2655.0 | -247.7 |
| 2005Q4 | 1731.8 | 1734.3 | -2.5 | 2328.3 | 2621.4 | -293.1 | 530.2 | 649.6 | -119.4 |
| 2006Q1 | 1767.8 | 1732.1 | 35.7 | 2436.5 | 2656.2 | -219.7 | 507.4 | 691.0 | -183.6 |
| 2006Q2 | 1803.7 | 1760.9 | 42.8 | 2471.5 | 2711.4 | -239.9 | 772.1 | 675.7 | 96.5 |
| 2006Q3 | 1806.7 | 1794.4 | 12.3 | 2513.1 | 2752.3 | -239.2 | 596.9 | 638.7 | -41.7 |
| 2006Q4 | 1812.4 | 1804.8 | 7.6 | 2561.9 | 2743.4 | -181.5 | 573.5 | 653.9 | -80.4 |
| 2007Q1 | 1856.6 | 1862.4 | -5.8 | 2619.7 | 2838.2 | -218.5 | 547.4 | 725.4 | -178.0 |
| 2007Q2 | 1889.9 | 1876.5 | 13.4 | 2684.3 | 2876.9 | -192.6 | 824.4 | 686.9 | 137.5 |
| 2007Q3 | | 1905.4 | | | 2915.8 | | 622.3 | 664.2 | -41.9 |

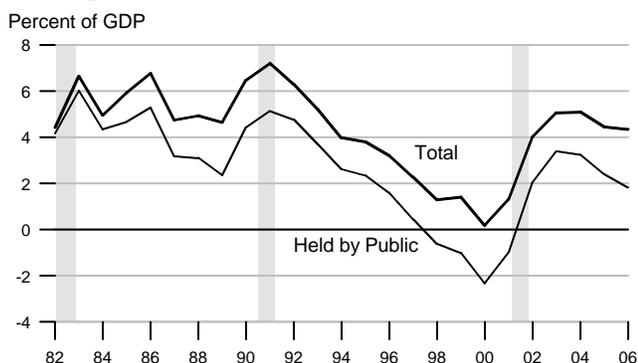
Federal Debt



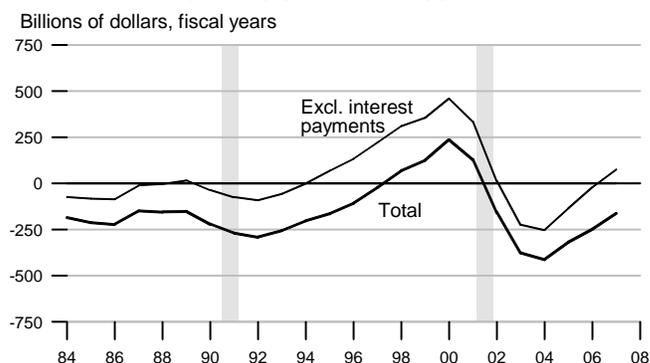
Federal Surplus (+) / Deficit (-)



Change in Federal Debt



Federal Surplus (+) / Deficit (-), Unified Basis

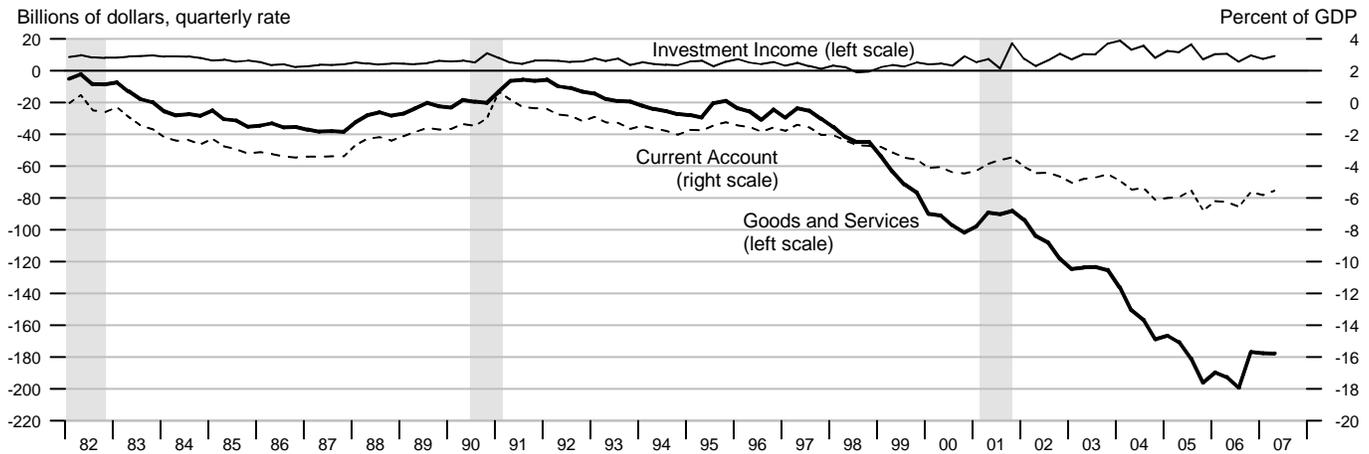


Federal Government Debt

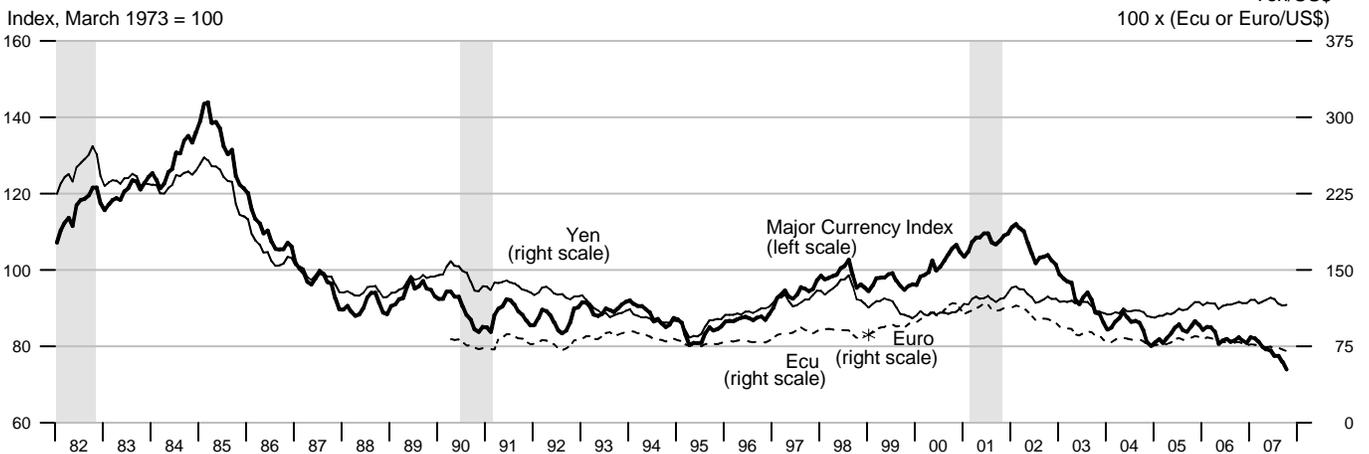
Billions of dollars, end of month or fiscal year
Excludes Agency-issued debt

| | Total Public Debt | Held by Agencies and Trusts | Held by Public | | Held by Private Investors | |
|-----------|-------------------|-----------------------------|----------------|-----------------------|---------------------------|---------------------------|
| | | | Total | Federal Reserve Banks | Total | Foreign and International |
| 2004 | 7379.1 | 3075.7 | 4303.4 | 700.3 | 3607.0 | 1798.7 |
| 2005 | 7932.7 | 3331.1 | 4601.6 | 736.4 | 3864.9 | 1930.6 |
| 2006 | 8507.0 | 3663.8 | 4843.2 | 768.9 | 4074.2 | 2027.2 |
| 2004 | | | | | | |
| March | 7131.1 | 2954.4 | 4176.7 | 674.1 | 3502.8 | 1677.1 |
| June | 7274.3 | 3055.6 | 4218.7 | 687.4 | 3531.5 | 1739.6 |
| September | 7379.1 | 3075.7 | 4303.4 | 700.3 | 3607.0 | 1798.7 |
| December | 7596.1 | 3189.8 | 4406.4 | 717.8 | 3690.6 | 1853.4 |
| 2005 | | | | | | |
| March | 7776.9 | 3204.5 | 4572.4 | 717.3 | 3855.4 | 1956.3 |
| June | 7836.5 | 3308.9 | 4527.6 | 724.7 | 3803.0 | 1879.6 |
| September | 7932.7 | 3331.1 | 4601.6 | 736.4 | 3864.9 | 1930.6 |
| December | 8170.4 | 3455.8 | 4714.6 | 744.2 | 3970.6 | 2036.0 |
| 2006 | | | | | | |
| March | 8371.2 | 3498.4 | 4872.8 | 758.5 | 4114.0 | 2084.5 |
| June | 8420.0 | 3622.6 | 4797.5 | 766.4 | 4030.8 | 1979.7 |
| September | 8507.0 | 3663.8 | 4843.2 | 768.9 | 4074.2 | 2027.2 |
| December | 8680.2 | 3779.0 | 4901.2 | 778.9 | 4122.1 | 2104.9 |
| 2007 | | | | | | |
| March | 8849.7 | 3795.4 | 5054.3 | 780.9 | 4273.1 | 2195.5 |
| June | 8867.7 | 3924.7 | 4943.0 | 790.5 | 4152.6 | 2220.0 |

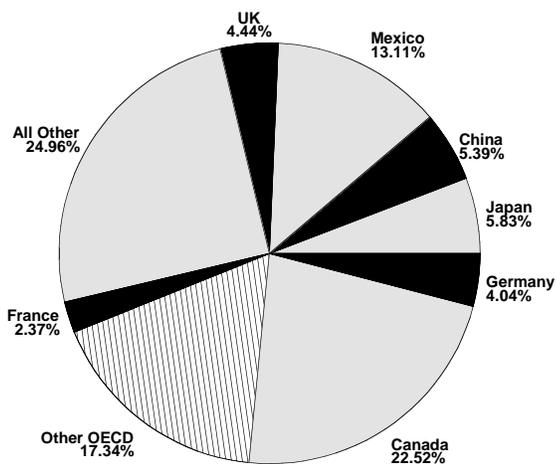
Current Account, Trade and Investment Income Balances



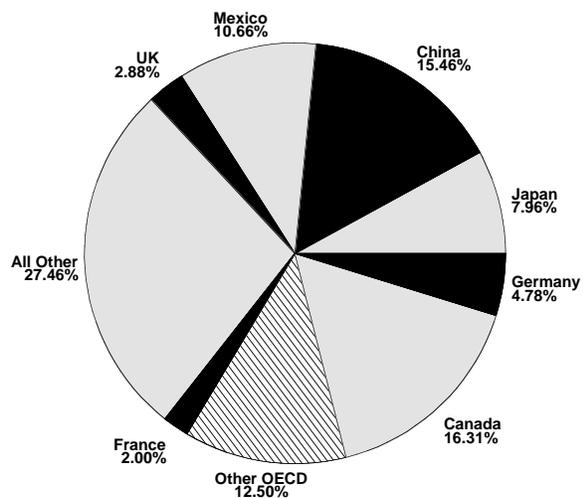
Exchange Rates



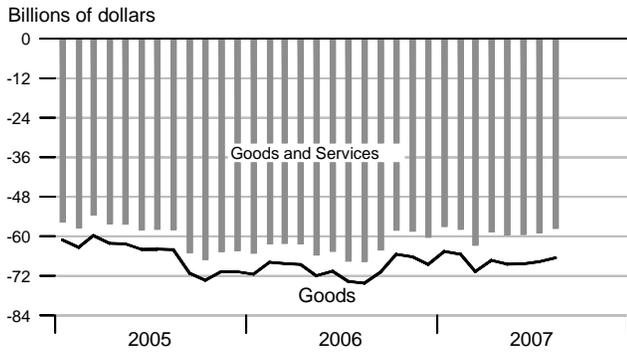
Goods Export Shares, 2006



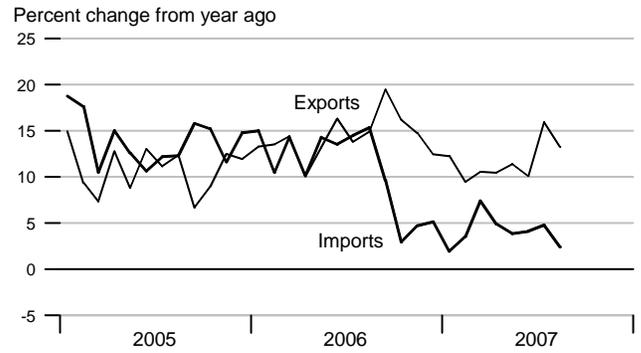
Goods Import Shares, 2006



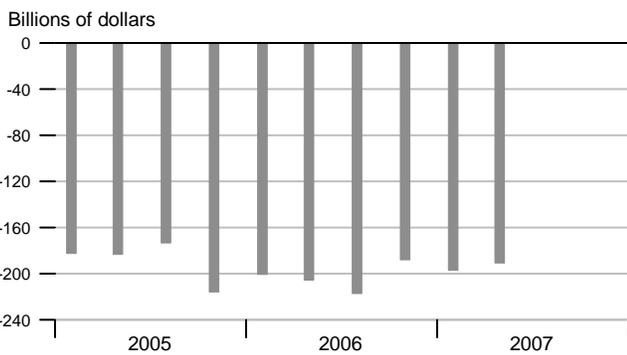
Trade Balance



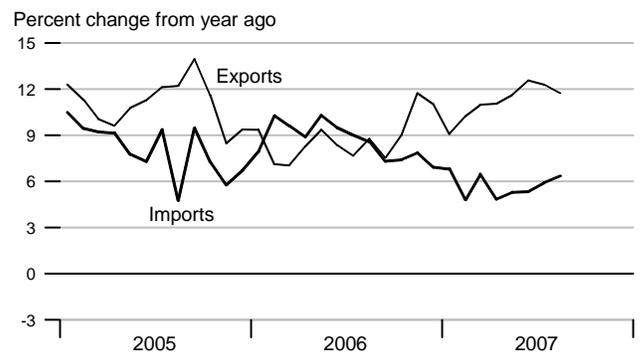
Goods Trade



Current Account Balance



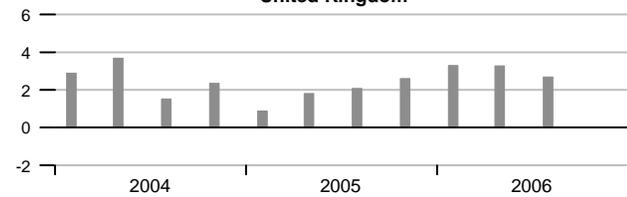
Services Trade



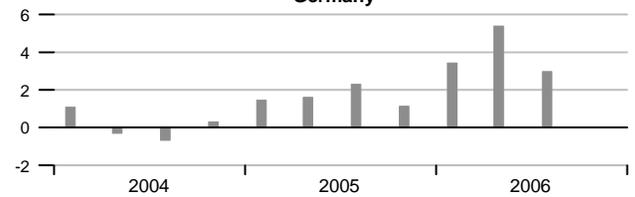
Real GDP Growth of Major Trading Partners

Compounded annual rates of change

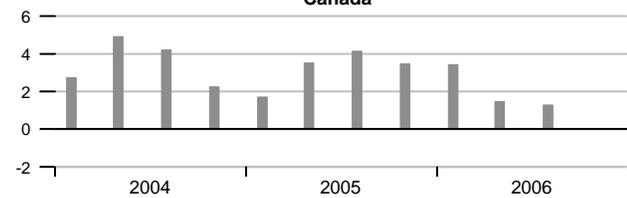
United Kingdom



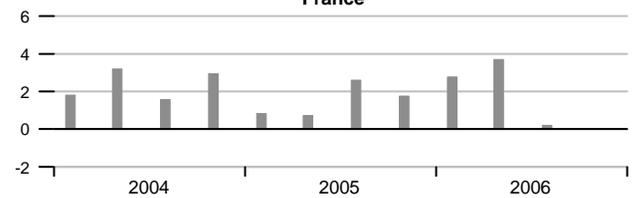
Germany



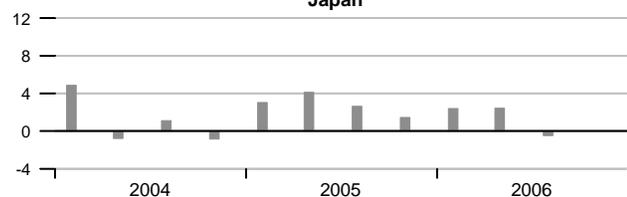
Canada



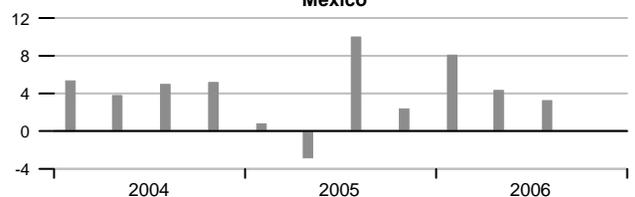
France



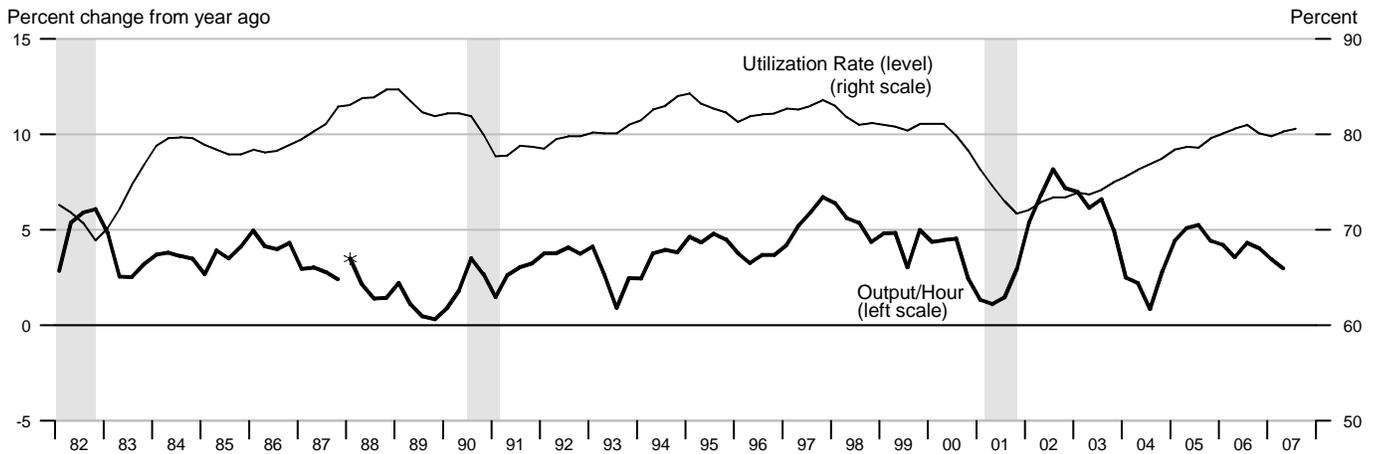
Japan



Mexico

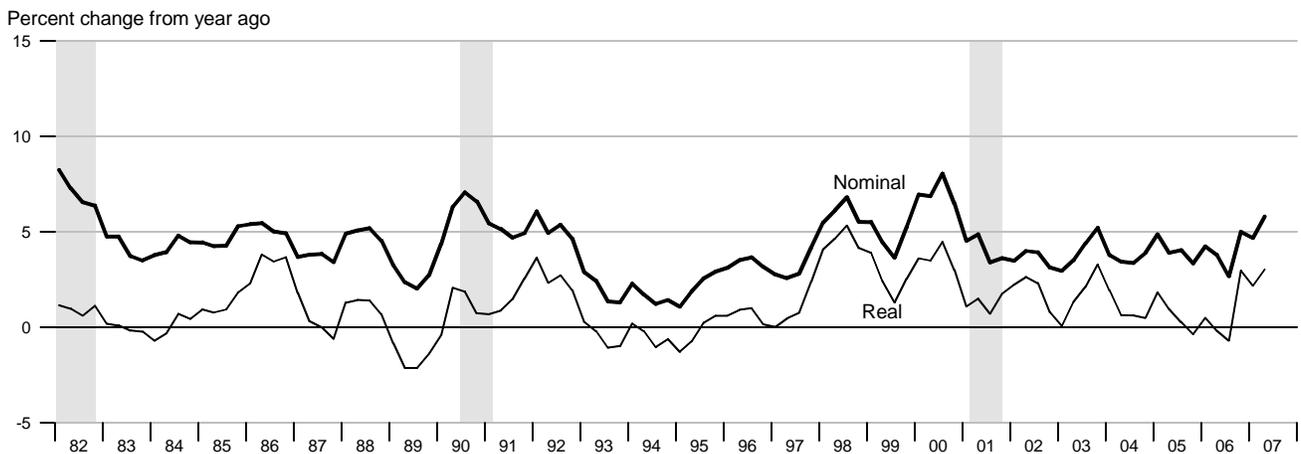


Output per Hour and Capacity Utilization, Manufacturing

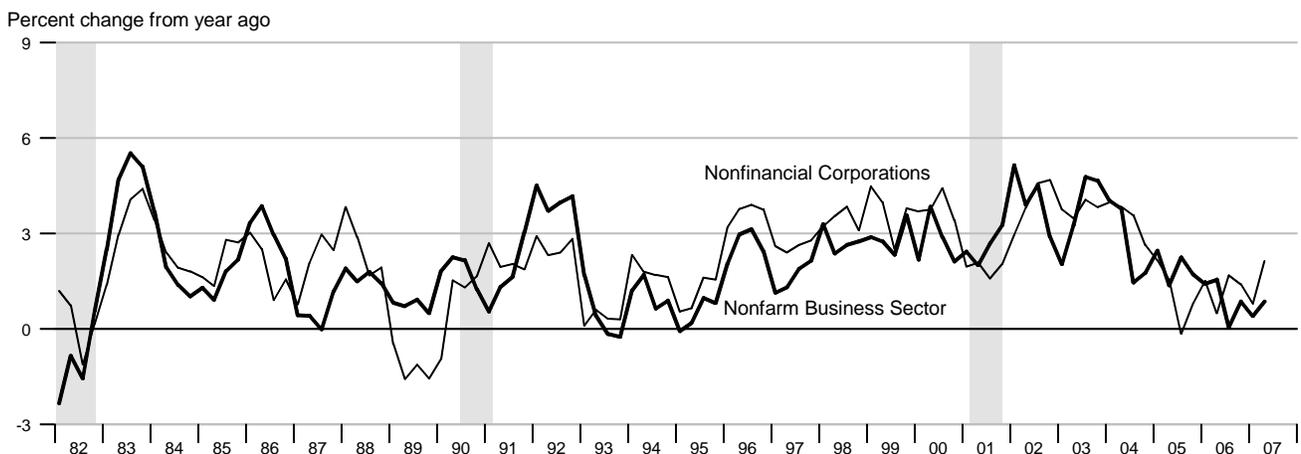


*Data from 1987 to the present are on a NAICS basis; data prior to 1987 are on an SIC basis and are not strictly comparable (see End Note).

Nonfarm Compensation per Hour

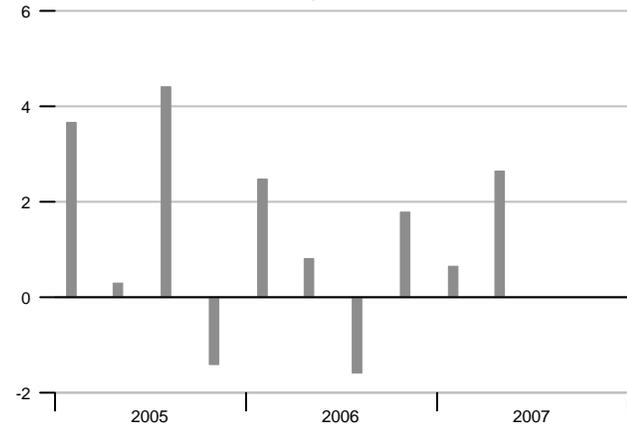


Output per Hour, Nonfarm Business and Nonfinancial Corporations



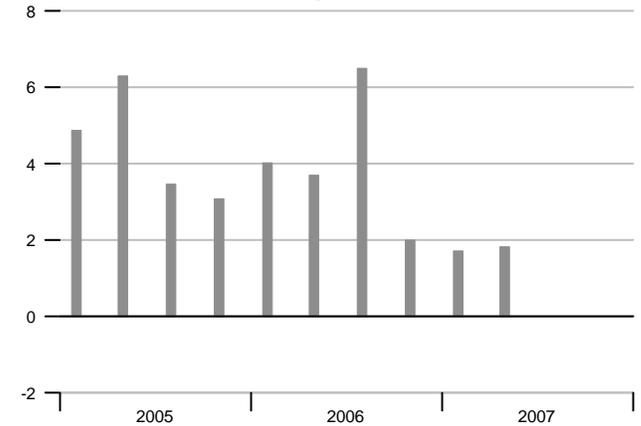
Nonfarm Output per Hour

Compounded annual rates of change

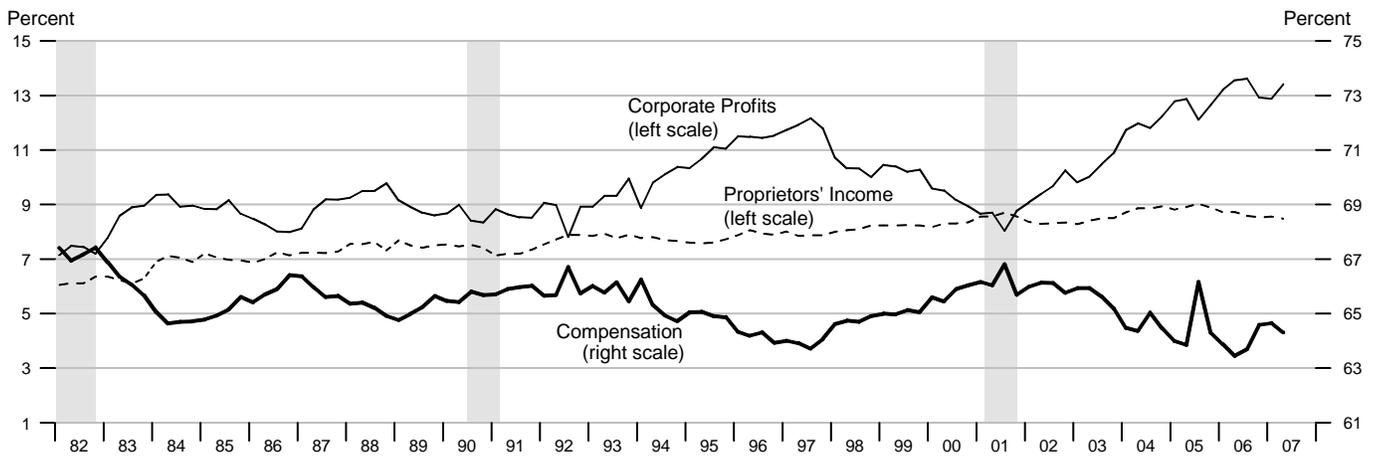


Manufacturing Output per Hour

Compounded annual rates of change

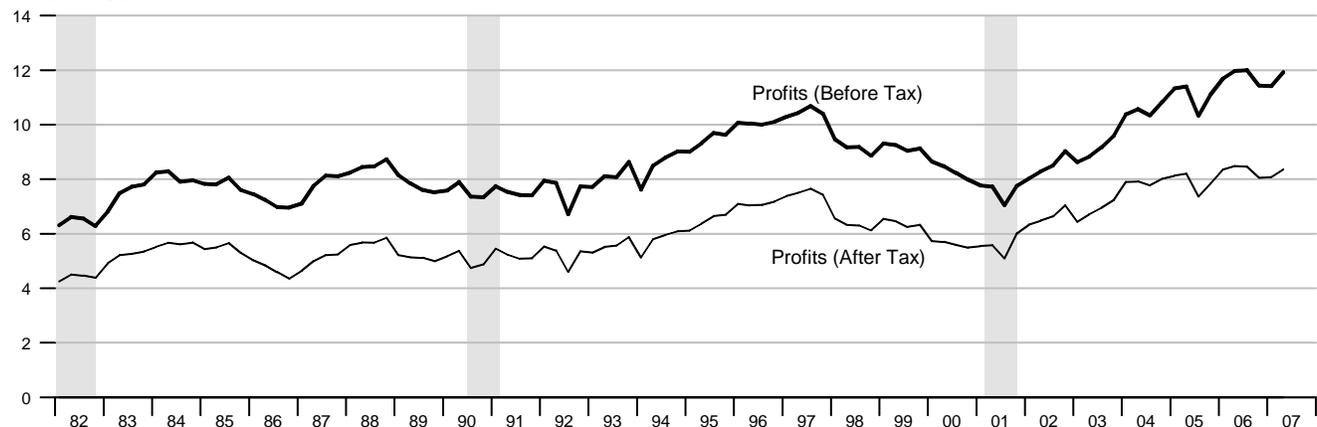


Selected Component Shares of National Income



Corporate Profits

Percent of GDP



| | Nominal GDP | | | Real GDP | | | Final Sales | | | Change in Private Inventories | | | |
|-------------|----------------|---------------------|----------------|---------------------|-----------------------------|----------------|---------------------|---------------------------------|----------------|-------------------------------|--|----------------|----------|
| | Billions of \$ | Percent change | | Billions of 2000 \$ | Percent change | | Billions of 2000 \$ | Percent change | | Billions of 2000 \$ | | | |
| Annual rate | | Year ago | Annual rate | | Year ago | Annual rate | | Year ago | Last qtr | Year/Year ago | | | |
| 2003 | 10960.8 | | 4.7 | 10301.044 | | 2.5 | 10285.104 | | 2.5 | | 14.282 | | |
| 2004 | 11685.9 | | 6.6 | 10675.757 | | 3.6 | 10619.790 | | 3.3 | | 54.268 | | |
| 2005 | 12433.9 | | 6.4 | 11003.448 | | 3.1 | 10966.873 | | 3.3 | | 33.237 | | |
| 2006 | 13194.7 | | 6.1 | 11319.358 | | 2.9 | 11275.890 | | 2.8 | | 40.289 | | |
| 2004 | 1 | 11405.5 | 6.8 | 6.5 | 10543.621 | 3.0 | 4.1 | 10507.057 | 2.6 | 4.0 | 34.953 | 16.950 | |
| | 2 | 11610.3 | 7.4 | 7.2 | 10634.232 | 3.5 | 4.1 | 10568.450 | 2.4 | 3.5 | 64.882 | 33.834 | |
| | 3 | 11779.4 | 6.0 | 6.3 | 10728.671 | 3.6 | 3.2 | 10666.641 | 3.8 | 2.7 | 60.057 | 46.215 | |
| | 4 | 11948.5 | 5.9 | 6.5 | 10796.408 | 2.5 | 3.1 | 10737.014 | 2.7 | 2.8 | 57.180 | 54.268 | |
| 2005 | 1 | 12154.0 | 7.1 | 6.6 | 10878.380 | 3.1 | 3.2 | 10812.950 | 2.9 | 2.9 | 63.393 | 61.378 | |
| | 2 | 12317.4 | 5.5 | 6.1 | 10954.069 | 2.8 | 3.0 | 10940.422 | 4.8 | 3.5 | 10.070 | 47.675 | |
| | 3 | 12558.8 | 8.1 | 6.6 | 11074.326 | 4.5 | 3.2 | 11064.771 | 4.6 | 3.7 | 5.906 | 34.137 | |
| | 4 | 12705.5 | 4.8 | 6.3 | 11107.213 | 1.2 | 2.9 | 11049.544 | -0.5 | 2.9 | 53.580 | 33.237 | |
| 2006 | 1 | 12964.6 | 8.4 | 6.7 | 11238.662 | 4.8 | 3.3 | 11196.147 | 5.4 | 3.5 | 38.422 | 26.995 | |
| | 2 | 13155.0 | 6.0 | 6.8 | 11306.694 | 2.4 | 3.2 | 11252.074 | 2.0 | 2.8 | 51.390 | 37.325 | |
| | 3 | 13266.9 | 3.4 | 5.6 | 11336.734 | 1.1 | 2.4 | 11279.696 | 1.0 | 1.9 | 53.944 | 49.334 | |
| | 4 | 13392.3 | 3.8 | 5.4 | 11395.538 | 2.1 | 2.6 | 11375.837 | 3.5 | 3.0 | 17.401 | 40.289 | |
| 2007 | 1 | 13551.9 | 4.9 | 4.5 | 11412.619 | 0.6 | 1.5 | 11411.560 | 1.3 | 1.9 | 0.097 | 30.708 | |
| | 2 | 13768.8 | 6.6 | 4.7 | 11520.115 | 3.8 | 1.9 | 11512.777 | 3.6 | 2.3 | 5.762 | 19.301 | |
| | 3 | 13926.7 | 4.7 | 5.0 | 11630.654 | 3.9 | 2.6 | 11612.919 | 3.5 | 3.0 | 15.713 | 9.743 | |
| | | Consumption | | | Durables Consumption | | | Private Fixed Investment | | | Nonresidential Fixed Investment | | |
| | | Billions of 2000 \$ | Percent change | | Billions of 2000 \$ | Percent change | | Billions of 2000 \$ | Percent change | | Billions of 2000 \$ | Percent change | |
| | | | Annual rate | Year ago | | Annual rate | Year ago | | Annual rate | Year ago | | Annual rate | Year ago |
| 2003 | | 7295.309 | | 2.8 | 1020.572 | | 5.8 | 1596.874 | | 3.4 | 1081.810 | | 1.0 |
| 2004 | | 7561.380 | | 3.6 | 1084.786 | | 6.3 | 1712.757 | | 7.3 | 1144.264 | | 5.8 |
| 2005 | | 7803.593 | | 3.2 | 1137.415 | | 4.9 | 1831.427 | | 6.9 | 1225.790 | | 7.1 |
| 2006 | | 8044.054 | | 3.1 | 1180.469 | | 3.8 | 1874.694 | | 2.4 | 1306.762 | | 6.6 |
| 2004 | 1 | 7475.116 | 4.4 | 4.0 | 1066.225 | 5.8 | 9.8 | 1647.881 | -0.2 | 7.3 | 1099.133 | -2.6 | 4.9 |
| | 2 | 7520.472 | 2.4 | 3.7 | 1071.336 | 1.9 | 6.1 | 1698.704 | 12.9 | 7.8 | 1127.496 | 10.7 | 4.9 |
| | 3 | 7585.507 | 3.5 | 3.2 | 1091.520 | 7.8 | 4.0 | 1736.716 | 9.3 | 6.8 | 1160.749 | 12.3 | 5.6 |
| | 4 | 7664.290 | 4.2 | 3.7 | 1110.065 | 7.0 | 5.6 | 1767.743 | 7.3 | 7.2 | 1189.666 | 10.3 | 7.5 |
| 2005 | 1 | 7709.377 | 2.4 | 3.1 | 1116.030 | 2.2 | 4.7 | 1785.306 | 4.0 | 8.3 | 1199.486 | 3.3 | 9.1 |
| | 2 | 7775.220 | 3.5 | 3.4 | 1146.298 | 11.3 | 7.0 | 1819.775 | 7.9 | 7.1 | 1214.147 | 5.0 | 7.7 |
| | 3 | 7852.791 | 4.1 | 3.5 | 1163.548 | 6.2 | 6.6 | 1854.949 | 8.0 | 6.8 | 1239.503 | 8.6 | 6.8 |
| | 4 | 7876.850 | 1.2 | 2.8 | 1123.791 | -13.0 | 1.2 | 1865.645 | 2.3 | 5.5 | 1250.025 | 3.4 | 5.1 |
| 2006 | 1 | 7961.901 | 4.4 | 3.3 | 1167.761 | 16.6 | 4.6 | 1901.356 | 7.9 | 6.5 | 1289.723 | 13.3 | 7.5 |
| | 2 | 8009.279 | 2.4 | 3.0 | 1170.169 | 0.8 | 2.1 | 1892.290 | -1.9 | 4.0 | 1303.165 | 4.2 | 7.3 |
| | 3 | 8063.801 | 2.8 | 2.7 | 1186.322 | 5.6 | 2.0 | 1869.607 | -4.7 | 0.8 | 1319.428 | 5.1 | 6.4 |
| | 4 | 8141.236 | 3.9 | 3.4 | 1197.606 | 3.9 | 6.6 | 1835.541 | -7.1 | -1.6 | 1314.758 | -1.4 | 5.2 |
| 2007 | 1 | 8215.706 | 3.7 | 3.2 | 1223.160 | 8.8 | 4.7 | 1815.191 | -4.4 | -4.5 | 1321.732 | 2.1 | 2.5 |
| | 2 | 8244.349 | 1.4 | 2.9 | 1228.366 | 1.7 | 5.0 | 1829.345 | 3.2 | -3.3 | 1356.624 | 11.0 | 4.1 |
| | 3 | 8305.272 | 3.0 | 3.0 | 1241.808 | 4.4 | 4.7 | 1822.512 | -1.5 | -2.5 | 1382.720 | 7.9 | 4.8 |

| | GDP Chain Price Index | | | Employment Cost Index | | | ECI: Wages | | | ECI: Benefits | | |
|--------|-----------------------|----------------|----------|-----------------------|----------------|----------|-------------------------|----------------|----------|-------------------------------|----------------|----------|
| | Index | Percent change | | Index | Percent change | | Index | Percent change | | Index | Percent change | |
| | | Annual rate | Year ago | | Annual rate | Year ago | | Annual rate | Year ago | | Annual rate | Year ago |
| 2003 | 106.409 | | 2.1 | 92.7 | | 3.8 | 94.2 | | 2.8 | 88.8 | | 6.1 |
| 2004 | 109.462 | | 2.9 | 96.2 | | 3.8 | 96.7 | | 2.7 | 94.8 | | 6.8 |
| 2005 | 113.005 | | 3.2 | 99.2 | | 3.1 | 99.2 | | 2.5 | 99.2 | | 4.6 |
| 2006 | 116.568 | | 3.2 | 102.1 | | 2.9 | 102.0 | | 2.9 | 102.1 | | 2.9 |
| 2004 1 | 108.180 | 3.7 | 2.3 | 94.9 | 4.8 | 3.8 | 95.7 | 2.5 | 2.7 | 92.9 | 11.0 | 6.8 |
| 2 | 109.185 | 3.8 | 2.9 | 95.8 | 3.8 | 3.9 | 96.4 | 3.0 | 2.7 | 94.4 | 6.6 | 7.2 |
| 3 | 109.807 | 2.3 | 3.0 | 96.7 | 3.8 | 3.8 | 97.2 | 3.4 | 2.6 | 95.4 | 4.3 | 6.7 |
| 4 | 110.677 | 3.2 | 3.2 | 97.3 | 2.5 | 3.7 | 97.6 | 1.7 | 2.6 | 96.5 | 4.7 | 6.6 |
| 2005 1 | 111.745 | 3.9 | 3.3 | 98.2 | 3.8 | 3.5 | 98.3 | 2.9 | 2.7 | 98.0 | 6.4 | 5.5 |
| 2 | 112.455 | 2.6 | 3.0 | 98.8 | 2.5 | 3.1 | 98.8 | 2.1 | 2.5 | 98.8 | 3.3 | 4.7 |
| 3 | 113.422 | 3.5 | 3.3 | 99.5 | 2.9 | 2.9 | 99.4 | 2.5 | 2.3 | 99.6 | 3.3 | 4.4 |
| 4 | 114.398 | 3.5 | 3.4 | 100.1 | 2.4 | 2.9 | 100.1 | 2.8 | 2.6 | 100.3 | 2.8 | 3.9 |
| 2006 1 | 115.363 | 3.4 | 3.2 | 100.8 | 2.8 | 2.6 | 100.8 | 2.8 | 2.5 | 100.8 | 2.0 | 2.9 |
| 2 | 116.350 | 3.5 | 3.5 | 101.6 | 3.2 | 2.8 | 101.6 | 3.2 | 2.8 | 101.5 | 2.8 | 2.7 |
| 3 | 117.030 | 2.4 | 3.2 | 102.5 | 3.6 | 3.0 | 102.4 | 3.2 | 3.0 | 102.5 | 4.0 | 2.9 |
| 4 | 117.527 | 1.7 | 2.7 | 103.3 | 3.2 | 3.2 | 103.2 | 3.2 | 3.1 | 103.4 | 3.6 | 3.1 |
| 2007 1 | 118.750 | 4.2 | 2.9 | 103.9 | 2.3 | 3.1 | 104.3 | 4.3 | 3.5 | 103.1 | -1.2 | 2.3 |
| 2 | 119.527 | 2.6 | 2.7 | 104.8 | 3.5 | 3.1 | 105.1 | 3.1 | 3.4 | 104.2 | 4.3 | 2.7 |
| 3 | 119.756 | 0.8 | 2.3 | 105.6 | 3.1 | 3.0 | 105.9 | 3.1 | 3.4 | 105.0 | 3.1 | 2.4 |
| | Exports | | | Imports | | | Nonfarm Output per Hour | | | Nonfarm Compensation per Hour | | |
| | Billions of 2000 \$ | Percent change | | Billions of 2000 \$ | Percent change | | Index | Percent change | | Index | Percent change | |
| | | Annual rate | Year ago | | Annual rate | Year ago | | Annual rate | Year ago | | Annual rate | Year ago |
| 2003 | 1026.109 | | 1.3 | 1545.017 | | 4.1 | 128.034 | | 3.7 | 150.423 | | 4.0 |
| 2004 | 1126.134 | | 9.7 | 1719.939 | | 11.3 | 131.542 | | 2.7 | 155.869 | | 3.6 |
| 2005 | 1203.444 | | 6.9 | 1821.457 | | 5.9 | 134.097 | | 1.9 | 162.149 | | 4.0 |
| 2006 | 1304.104 | | 8.4 | 1928.567 | | 5.9 | 135.393 | | 1.0 | 168.506 | | 3.9 |
| 2004 1 | 1101.785 | 10.0 | 9.8 | 1650.888 | 12.3 | 9.3 | 130.220 | 0.9 | 4.0 | 152.871 | -0.2 | 3.8 |
| 2 | 1119.392 | 6.5 | 12.0 | 1710.450 | 15.2 | 12.1 | 131.713 | 4.7 | 3.8 | 154.850 | 5.3 | 3.4 |
| 3 | 1128.041 | 3.1 | 9.9 | 1730.757 | 4.8 | 12.4 | 132.000 | 0.9 | 1.5 | 156.824 | 5.2 | 3.4 |
| 4 | 1155.317 | 10.0 | 7.4 | 1787.662 | 13.8 | 11.5 | 132.222 | 0.7 | 1.8 | 158.890 | 5.4 | 3.9 |
| 2005 1 | 1172.397 | 6.0 | 6.4 | 1796.826 | 2.1 | 8.8 | 133.417 | 3.7 | 2.5 | 160.300 | 3.6 | 4.9 |
| 2 | 1199.343 | 9.5 | 7.1 | 1800.339 | 0.8 | 5.3 | 133.515 | 0.3 | 1.4 | 160.889 | 1.5 | 3.9 |
| 3 | 1205.647 | 2.1 | 6.9 | 1809.724 | 2.1 | 4.6 | 134.964 | 4.4 | 2.2 | 163.153 | 5.7 | 4.0 |
| 4 | 1236.387 | 10.6 | 7.0 | 1878.952 | 16.2 | 5.1 | 134.485 | -1.4 | 1.7 | 164.210 | 2.6 | 3.3 |
| 2006 1 | 1270.569 | 11.5 | 8.4 | 1910.696 | 6.9 | 6.3 | 135.311 | 2.5 | 1.4 | 167.079 | 7.2 | 4.2 |
| 2 | 1288.438 | 5.7 | 7.4 | 1915.005 | 0.9 | 6.4 | 135.583 | 0.8 | 1.5 | 166.978 | -0.2 | 3.8 |
| 3 | 1306.571 | 5.7 | 8.4 | 1940.374 | 5.4 | 7.2 | 135.041 | -1.6 | 0.1 | 167.517 | 1.3 | 2.7 |
| 4 | 1350.861 | 14.3 | 9.3 | 1948.210 | 1.6 | 3.7 | 135.638 | 1.8 | 0.9 | 172.417 | 12.2 | 5.0 |
| 2007 1 | 1354.654 | 1.1 | 6.6 | 1966.775 | 3.9 | 2.9 | 135.858 | 0.7 | 0.4 | 174.906 | 5.9 | 4.7 |
| 2 | 1379.485 | 7.5 | 7.1 | 1953.360 | -2.7 | 2.0 | 136.746 | 2.6 | 0.9 | 176.658 | 4.1 | 5.8 |
| 3 | 1432.249 | 16.2 | 9.6 | 1978.419 | 5.2 | 2.0 | | | | | | |

| | | Household Survey Employment | | | | Nonfarm Payroll Employment | | | | Nonfarm Aggregate Hours | | | |
|------|-----|-----------------------------|--------|----------------|----------|----------------------------|--------|----------------|----------|-------------------------|----------------|-------------|----------|
| | | Thousands | Change | Percent change | | Thousands | Change | Percent change | | Index | Percent change | | |
| | | | | Annual rate | Year ago | | | Annual rate | Year ago | | Monthly rate | Annual rate | Year ago |
| 2002 | | 136481 | -458 | | -0.3 | 130347 | -1485 | | -1.1 | 100.0 | | | -2.0 |
| 2003 | | 137730 | 1249 | | 0.9 | 129990 | -357 | | -0.3 | 98.6 | | | -1.4 |
| 2004 | | 139242 | 1512 | | 1.1 | 131423 | 1433 | | 1.1 | 100.2 | | | 1.6 |
| 2005 | | 141715 | 2473 | | 1.8 | 133696 | 2273 | | 1.7 | 102.7 | | | 2.5 |
| 2006 | | 144419 | 2705 | | 1.9 | 136175 | 2478 | | 1.9 | 105.7 | | | 2.9 |
| 2005 | 1 | 140385 | 326 | 0.9 | 1.4 | 132656 | 427 | 1.3 | 1.6 | 101.5 | 0.3 | 1.2 | 2.2 |
| | 2 | 141501 | 1116 | 3.2 | 1.9 | 133371 | 715 | 2.2 | 1.6 | 102.4 | 0.9 | 3.5 | 2.5 |
| | 3 | 142319 | 818 | 2.3 | 2.0 | 134107 | 736 | 2.2 | 1.9 | 103.1 | 0.7 | 2.8 | 2.6 |
| | 4 | 142655 | 336 | 0.9 | 1.9 | 134652 | 546 | 1.6 | 1.8 | 103.9 | 0.8 | 3.3 | 2.7 |
| 2006 | 1 | 143366 | 711 | 2.0 | 2.1 | 135393 | 741 | 2.2 | 2.1 | 104.8 | 0.8 | 3.4 | 3.2 |
| | 2 | 144065 | 699 | 2.0 | 1.8 | 135913 | 520 | 1.5 | 1.9 | 105.6 | 0.8 | 3.1 | 3.1 |
| | 3 | 144618 | 553 | 1.5 | 1.6 | 136442 | 529 | 1.6 | 1.7 | 106.0 | 0.3 | 1.4 | 2.8 |
| | 4 | 145629 | 1011 | 2.8 | 2.1 | 136951 | 509 | 1.5 | 1.7 | 106.5 | 0.5 | 2.0 | 2.5 |
| 2007 | 1 | 146043 | 415 | 1.1 | 1.9 | 137447 | 496 | 1.5 | 1.5 | 106.8 | 0.3 | 1.1 | 1.9 |
| | 2 | 145956 | -87 | -0.2 | 1.3 | 137864 | 417 | 1.2 | 1.4 | 107.4 | 0.5 | 2.1 | 1.7 |
| | 3 | 146054 | 97 | 0.3 | 1.0 | 138160 | 296 | 0.9 | 1.3 | 107.7 | 0.3 | 1.2 | 1.6 |
| 2005 | Oct | 142586 | 137 | 1.2 | 2.0 | 134351 | 107 | 1.0 | 1.7 | 103.6 | 0.1 | 1.2 | 2.4 |
| | Nov | 142597 | 11 | 0.1 | 1.7 | 134702 | 351 | 3.2 | 1.9 | 104.0 | 0.4 | 4.7 | 3.0 |
| | Dec | 142782 | 185 | 1.6 | 1.9 | 134904 | 202 | 1.8 | 1.9 | 104.2 | 0.2 | 2.3 | 2.7 |
| 2006 | Jan | 143099 | 317 | 2.7 | 2.0 | 135110 | 206 | 1.8 | 2.0 | 104.5 | 0.3 | 3.5 | 3.2 |
| | Feb | 143319 | 220 | 1.9 | 2.1 | 135410 | 300 | 2.7 | 2.0 | 104.8 | 0.3 | 3.5 | 3.1 |
| | Mar | 143680 | 361 | 3.1 | 2.2 | 135659 | 249 | 2.2 | 2.1 | 105.1 | 0.3 | 3.5 | 3.3 |
| | Apr | 143763 | 83 | 0.7 | 1.8 | 135803 | 144 | 1.3 | 2.0 | 105.6 | 0.5 | 5.9 | 3.1 |
| | May | 144045 | 282 | 2.4 | 1.7 | 135906 | 103 | 0.9 | 1.9 | 105.4 | -0.2 | -2.2 | 3.1 |
| | Jun | 144386 | 341 | 2.9 | 1.9 | 136030 | 124 | 1.1 | 1.8 | 105.8 | 0.4 | 4.7 | 3.1 |
| | Jul | 144330 | -56 | -0.5 | 1.6 | 136252 | 222 | 2.0 | 1.7 | 106.0 | 0.2 | 2.3 | 3.1 |
| | Aug | 144618 | 288 | 2.4 | 1.5 | 136438 | 186 | 1.7 | 1.7 | 105.9 | -0.1 | -1.1 | 2.8 |
| | Sep | 144906 | 288 | 2.4 | 1.7 | 136636 | 198 | 1.8 | 1.8 | 106.0 | 0.1 | 1.1 | 2.4 |
| | Oct | 145337 | 431 | 3.6 | 1.9 | 136745 | 109 | 1.0 | 1.8 | 106.3 | 0.3 | 3.4 | 2.6 |
| | Nov | 145623 | 286 | 2.4 | 2.1 | 136941 | 196 | 1.7 | 1.7 | 106.3 | 0.0 | 0.0 | 2.2 |
| | Dec | 145926 | 303 | 2.5 | 2.2 | 137167 | 226 | 2.0 | 1.7 | 106.9 | 0.6 | 7.0 | 2.6 |
| 2007 | Jan | 145957 | 31 | 0.3 | 2.0 | 137329 | 162 | 1.4 | 1.6 | 106.7 | -0.2 | -2.2 | 2.1 |
| | Feb | 145919 | -38 | -0.3 | 1.8 | 137419 | 90 | 0.8 | 1.5 | 106.4 | -0.3 | -3.3 | 1.5 |
| | Mar | 146254 | 335 | 2.8 | 1.8 | 137594 | 175 | 1.5 | 1.4 | 107.3 | 0.8 | 10.6 | 2.1 |
| | Apr | 145786 | -468 | -3.8 | 1.4 | 137716 | 122 | 1.1 | 1.4 | 107.1 | -0.2 | -2.2 | 1.4 |
| | May | 145943 | 157 | 1.3 | 1.3 | 137904 | 188 | 1.7 | 1.5 | 107.3 | 0.2 | 2.3 | 1.8 |
| | Jun | 146140 | 197 | 1.6 | 1.2 | 137973 | 69 | 0.6 | 1.4 | 107.7 | 0.4 | 4.6 | 1.8 |
| | Jul | 146110 | -30 | -0.2 | 1.2 | 138066 | 93 | 0.8 | 1.3 | 107.6 | -0.1 | -1.1 | 1.5 |
| | Aug | 145794 | -316 | -2.6 | 0.8 | 138159 | 93 | 0.8 | 1.3 | 107.7 | 0.1 | 1.1 | 1.7 |
| | Sep | 146257 | 463 | 3.9 | 0.9 | 138255 | 96 | 0.8 | 1.2 | 107.8 | 0.1 | 1.1 | 1.7 |
| | Oct | 146007 | -250 | -2.0 | 0.5 | 138421 | 166 | 1.5 | 1.2 | 107.9 | 0.1 | 1.1 | 1.5 |

| | | Unempl. Rate | Retail and Food Services Sales | | | | Industrial Production | | | | Treasury Yields | |
|------|-----|-----------------|--------------------------------|-----------------------|----------------|-------------|-----------------------|----------------|-----------------------|----------------|-----------------|------|
| | | | Billions of dollars | Percent change | | | Index | Percent change | | | (Percent) | |
| | | | | Monthly/ quarterly | Annual rate | Year ago | | | Monthly/ quarterly | Annual rate | Year ago | 3-mo |
| 2002 | | 5.8 | 3467.263 | | | 2.4 | 100.0000 | | | 0.0 | 1.60 | 4.61 |
| 2003 | | 6.0 | 3614.093 | | | 4.2 | 101.0619 | | | 1.1 | 1.01 | 4.02 |
| 2004 | | 5.5 | 3833.271 | | | 6.1 | 103.5734 | | | 2.5 | 1.37 | 4.27 |
| 2005 | | 5.1 | 4085.340 | | | 6.6 | 106.9340 | | | 3.2 | 3.15 | 4.29 |
| 2006 | | 4.6 | 4336.650 | | | 6.2 | 111.2407 | | | 4.0 | 4.73 | 4.79 |
| 2005 | 1 | 5.3 | 994.839 | 1.0 | 4.1 | 6.0 | 105.9764 | 1.1 | 4.6 | 3.3 | 2.54 | 4.30 |
| | 2 | 5.1 | 1015.843 | 2.1 | 8.7 | 7.2 | 106.6983 | 0.7 | 2.8 | 3.4 | 2.86 | 4.16 |
| | 3 | 5.0 | 1034.026 | 1.8 | 7.4 | 7.4 | 106.9113 | 0.2 | 0.8 | 3.1 | 3.36 | 4.21 |
| | 4 | 5.0 | 1040.632 | 0.6 | 2.6 | 5.7 | 108.1499 | 1.2 | 4.7 | 3.2 | 3.83 | 4.49 |
| 2006 | 1 | 4.7 | 1072.960 | 3.1 | 13.0 | 7.9 | 109.4847 | 1.2 | 5.0 | 3.3 | 4.39 | 4.57 |
| | 2 | 4.6 | 1081.227 | 0.8 | 3.1 | 6.4 | 111.2261 | 1.6 | 6.5 | 4.2 | 4.70 | 5.07 |
| | 3 | 4.7 | 1089.908 | 0.8 | 3.3 | 5.4 | 112.3327 | 1.0 | 4.0 | 5.1 | 4.91 | 4.90 |
| | 4 | 4.5 | 1092.555 | 0.2 | 1.0 | 5.0 | 111.9193 | -0.4 | -1.5 | 3.5 | 4.90 | 4.63 |
| 2007 | 1 | 4.5 | 1109.368 | 1.5 | 6.3 | 3.4 | 112.2157 | 0.3 | 1.1 | 2.5 | 4.98 | 4.68 |
| | 2 | 4.5 | 1124.080 | 1.3 | 5.4 | 4.0 | 113.1718 | 0.9 | 3.5 | 1.7 | 4.74 | 4.85 |
| | 3 | 4.6 | 1135.164 | 1.0 | 4.0 | 4.2 | 114.2960 | 1.0 | 4.0 | 1.7 | 4.30 | 4.73 |
| 2005 | Oct | 5.0 | 345.231 | 0.5 | 6.2 | 5.7 | 107.0570 | 1.2 | 14.7 | 2.5 | 3.71 | 4.46 |
| | Nov | 5.0 | 347.671 | 0.7 | 8.8 | 6.2 | 108.2431 | 1.1 | 14.1 | 3.4 | 3.88 | 4.54 |
| | Dec | 4.9 | 347.730 | 0.0 | 0.2 | 5.1 | 109.1496 | 0.8 | 10.5 | 3.6 | 3.89 | 4.47 |
| 2006 | Jan | 4.7 | 359.254 | 3.3 | 47.9 | 9.0 | 109.1081 | -0.0 | -0.5 | 3.3 | 4.24 | 4.42 |
| | Feb | 4.8 | 356.451 | -0.8 | -9.0 | 7.2 | 109.3862 | 0.3 | 3.1 | 3.0 | 4.43 | 4.57 |
| | Mar | 4.7 | 357.255 | 0.2 | 2.7 | 7.4 | 109.9597 | 0.5 | 6.5 | 3.6 | 4.51 | 4.72 |
| | Apr | 4.7 | 361.376 | 1.2 | 14.8 | 7.1 | 110.9443 | 0.9 | 11.3 | 4.5 | 4.60 | 4.99 |
| | May | 4.6 | 359.363 | -0.6 | -6.5 | 6.9 | 110.8746 | -0.1 | -0.8 | 4.0 | 4.72 | 5.11 |
| | Jun | 4.6 | 360.488 | 0.3 | 3.8 | 5.4 | 111.8594 | 0.9 | 11.2 | 4.3 | 4.79 | 5.11 |
| | Jul | 4.8 | 363.633 | 0.9 | 11.0 | 4.5 | 112.3067 | 0.4 | 4.9 | 4.7 | 4.95 | 5.09 |
| | Aug | 4.7 | 364.172 | 0.1 | 1.8 | 6.3 | 112.5208 | 0.2 | 2.3 | 4.6 | 4.96 | 4.88 |
| | Sep | 4.6 | 362.103 | -0.6 | -6.6 | 5.4 | 112.1707 | -0.3 | -3.7 | 6.0 | 4.81 | 4.72 |
| | Oct | 4.4 | 361.980 | -0.0 | -0.4 | 4.9 | 111.9994 | -0.2 | -1.8 | 4.6 | 4.92 | 4.73 |
| | Nov | 4.5 | 363.234 | 0.3 | 4.2 | 4.5 | 111.5291 | -0.4 | -4.9 | 3.0 | 4.94 | 4.60 |
| | Dec | 4.5 | 367.341 | 1.1 | 14.4 | 5.6 | 112.2295 | 0.6 | 7.8 | 2.8 | 4.85 | 4.56 |
| 2007 | Jan | 4.6 | 367.230 | -0.0 | -0.4 | 2.2 | 111.6827 | -0.5 | -5.7 | 2.4 | 4.98 | 4.76 |
| | Feb | 4.5 | 369.287 | 0.6 | 6.9 | 3.6 | 112.5319 | 0.8 | 9.5 | 2.9 | 5.03 | 4.72 |
| | Mar | 4.4 | 372.851 | 1.0 | 12.2 | 4.4 | 112.4324 | -0.1 | -1.1 | 2.2 | 4.94 | 4.56 |
| | Apr | 4.5 | 371.651 | -0.3 | -3.8 | 2.8 | 113.0619 | 0.6 | 6.9 | 1.9 | 4.87 | 4.69 |
| | May | 4.5 | 377.689 | 1.6 | 21.3 | 5.1 | 112.9510 | -0.1 | -1.2 | 1.9 | 4.73 | 4.75 |
| | Jun | 4.5 | 374.740 | -0.8 | -9.0 | 4.0 | 113.5026 | 0.5 | 6.0 | 1.5 | 4.61 | 5.10 |
| | Jul | 4.6 | 376.906 | 0.6 | 7.2 | 3.7 | 114.2389 | 0.6 | 8.1 | 1.7 | 4.82 | 5.00 |
| | Aug | 4.6 | 378.028 | 0.3 | 3.6 | 3.8 | 114.2922 | 0.0 | 0.6 | 1.6 | 4.20 | 4.67 |
| | Sep | 4.7 | 380.230 | 0.6 | 7.2 | 5.0 | 114.3570 | 0.1 | 0.7 | 1.9 | 3.89 | 4.52 |
| | Oct | 4.7 | | | | | | | | | 3.90 | 4.53 |

| | | Consumer Price Index | | | | | Consumer Price Index less Food and Energy | | | | | Producer Price Index Finished Goods | | | |
|------|-----|----------------------|-----------------------|----------------|-------------|-----------------|--|-----------------------|----------------|-------------|-----------------|--|-----------------------|----------------|-------------|
| | | Percent change | | | | | Percent change | | | | | Percent change | | | |
| | | Index | Monthly/ quarterly | Annual rate | Year ago | Year to date | Index | Monthly/ quarterly | Annual rate | Year ago | Year to date | Index | Monthly/ quarterly | Annual rate | Year ago |
| 2002 | | 179.867 | | | 1.6 | | 190.442 | | | 2.3 | | 138.9 | | | -1.3 |
| 2003 | | 183.967 | | | 2.3 | | 193.225 | | | 1.5 | | 143.3 | | | 3.2 |
| 2004 | | 188.900 | | | 2.7 | | 196.625 | | | 1.8 | | 148.5 | | | 3.6 |
| 2005 | | 195.258 | | | 3.4 | | 200.892 | | | 2.2 | | 155.7 | | | 4.9 |
| 2006 | | 201.583 | | | 3.2 | | 205.925 | | | 2.5 | | 160.3 | | | 2.9 |
| 2005 | 1 | 192.133 | 0.5 | 2.1 | 3.0 | 2.1 | 199.500 | 0.6 | 2.6 | 2.3 | 2.6 | 152.7 | 0.8 | 3.2 | 4.7 |
| | 2 | 193.967 | 1.0 | 3.9 | 2.9 | 3.0 | 200.433 | 0.5 | 1.9 | 2.2 | 2.2 | 154.0 | 0.9 | 3.5 | 4.1 |
| | 3 | 196.633 | 1.4 | 5.6 | 3.8 | 3.9 | 201.167 | 0.4 | 1.5 | 2.1 | 2.0 | 156.8 | 1.8 | 7.3 | 5.6 |
| | 4 | 198.300 | 0.8 | 3.4 | 3.7 | 3.7 | 202.467 | 0.6 | 2.6 | 2.1 | 2.1 | 159.4 | 1.7 | 7.0 | 5.2 |
| 2006 | 1 | 199.233 | 0.5 | 1.9 | 3.7 | 1.9 | 203.667 | 0.6 | 2.4 | 2.1 | 2.4 | 159.4 | -0.0 | -0.1 | 4.4 |
| | 2 | 201.700 | 1.2 | 5.0 | 4.0 | 3.5 | 205.333 | 0.8 | 3.3 | 2.4 | 2.9 | 160.9 | 0.9 | 3.7 | 4.4 |
| | 3 | 203.233 | 0.8 | 3.1 | 3.4 | 3.3 | 206.867 | 0.7 | 3.0 | 2.8 | 2.9 | 161.1 | 0.2 | 0.7 | 2.8 |
| | 4 | 202.167 | -0.5 | -2.1 | 1.9 | 1.9 | 207.833 | 0.5 | 1.9 | 2.7 | 2.7 | 159.9 | -0.8 | -3.1 | 0.3 |
| 2007 | 1 | 204.068 | 0.9 | 3.8 | 2.4 | 3.8 | 209.010 | 0.6 | 2.3 | 2.6 | 2.3 | 162.5 | 1.6 | 6.7 | 1.9 |
| | 2 | 207.057 | 1.5 | 6.0 | 2.7 | 4.9 | 210.006 | 0.5 | 1.9 | 2.3 | 2.1 | 166.3 | 2.4 | 9.8 | 3.4 |
| | 3 | 208.019 | 0.5 | 1.9 | 2.4 | 3.9 | 211.299 | 0.6 | 2.5 | 2.1 | 2.2 | 166.7 | 0.2 | 1.0 | 3.5 |
| 2005 | Sep | 198.600 | 1.2 | 15.7 | 4.7 | 5.1 | 201.400 | 0.1 | 1.2 | 2.0 | 2.0 | 158.9 | 1.8 | 23.8 | 6.8 |
| | Oct | 199.200 | 0.3 | 3.7 | 4.4 | 5.0 | 202.000 | 0.3 | 3.6 | 2.1 | 2.1 | 159.8 | 0.6 | 7.0 | 5.8 |
| | Nov | 197.900 | -0.7 | -7.6 | 3.5 | 3.8 | 202.500 | 0.2 | 3.0 | 2.1 | 2.2 | 158.7 | -0.7 | -8.0 | 4.3 |
| | Dec | 197.800 | -0.1 | -0.6 | 3.4 | 3.4 | 202.900 | 0.2 | 2.4 | 2.2 | 2.2 | 159.8 | 0.7 | 8.6 | 5.5 |
| 2006 | Jan | 199.000 | 0.6 | 7.5 | 4.0 | 7.5 | 203.200 | 0.1 | 1.8 | 2.1 | 1.8 | 160.3 | 0.3 | 3.8 | 5.6 |
| | Feb | 199.100 | 0.1 | 0.6 | 3.6 | 4.0 | 203.600 | 0.2 | 2.4 | 2.1 | 2.1 | 158.6 | -1.1 | -12.0 | 3.9 |
| | Mar | 199.600 | 0.3 | 3.1 | 3.4 | 3.7 | 204.200 | 0.3 | 3.6 | 2.1 | 2.6 | 159.3 | 0.4 | 5.4 | 3.6 |
| | Apr | 200.800 | 0.6 | 7.5 | 3.6 | 4.6 | 204.800 | 0.3 | 3.6 | 2.3 | 2.8 | 160.4 | 0.7 | 8.6 | 4.0 |
| | May | 201.900 | 0.5 | 6.8 | 4.1 | 5.0 | 205.300 | 0.2 | 3.0 | 2.4 | 2.9 | 160.7 | 0.2 | 2.3 | 4.4 |
| | Jun | 202.400 | 0.2 | 3.0 | 4.3 | 4.7 | 205.900 | 0.3 | 3.6 | 2.6 | 3.0 | 161.5 | 0.5 | 6.1 | 4.9 |
| | Jul | 203.200 | 0.4 | 4.8 | 4.2 | 4.7 | 206.400 | 0.2 | 3.0 | 2.7 | 3.0 | 161.3 | -0.1 | -1.5 | 3.9 |
| | Aug | 203.800 | 0.3 | 3.6 | 3.9 | 4.6 | 206.900 | 0.2 | 2.9 | 2.8 | 3.0 | 161.9 | 0.4 | 4.6 | 3.7 |
| | Sep | 202.700 | -0.5 | -6.3 | 2.1 | 3.3 | 207.300 | 0.2 | 2.3 | 2.9 | 2.9 | 160.2 | -1.1 | -11.9 | 0.8 |
| | Oct | 201.800 | -0.4 | -5.2 | 1.3 | 2.4 | 207.600 | 0.1 | 1.8 | 2.8 | 2.8 | 157.8 | -1.5 | -16.6 | -1.3 |
| | Nov | 201.900 | 0.0 | 0.6 | 2.0 | 2.3 | 207.800 | 0.1 | 1.2 | 2.6 | 2.6 | 160.3 | 1.6 | 20.8 | 1.0 |
| | Dec | 202.800 | 0.4 | 5.5 | 2.5 | 2.5 | 208.100 | 0.1 | 1.7 | 2.6 | 2.6 | 161.5 | 0.7 | 9.4 | 1.1 |
| 2007 | Jan | 203.153 | 0.2 | 2.1 | 2.1 | 2.1 | 208.632 | 0.3 | 3.1 | 2.7 | 3.1 | 160.6 | -0.6 | -6.5 | 0.2 |
| | Feb | 203.906 | 0.4 | 4.5 | 2.4 | 3.3 | 209.135 | 0.2 | 2.9 | 2.7 | 3.0 | 162.6 | 1.2 | 16.0 | 2.5 |
| | Mar | 205.146 | 0.6 | 7.5 | 2.8 | 4.7 | 209.263 | 0.1 | 0.7 | 2.5 | 2.3 | 164.2 | 1.0 | 12.5 | 3.1 |
| | Apr | 205.999 | 0.4 | 5.1 | 2.6 | 4.8 | 209.634 | 0.2 | 2.1 | 2.4 | 2.2 | 165.6 | 0.9 | 10.7 | 3.2 |
| | May | 207.387 | 0.7 | 8.4 | 2.7 | 5.5 | 209.948 | 0.1 | 1.8 | 2.3 | 2.1 | 166.7 | 0.7 | 8.3 | 3.7 |
| | Jun | 207.784 | 0.2 | 2.3 | 2.7 | 5.0 | 210.436 | 0.2 | 2.8 | 2.2 | 2.3 | 166.6 | -0.1 | -0.7 | 3.2 |
| | Jul | 208.028 | 0.1 | 1.4 | 2.4 | 4.5 | 210.933 | 0.2 | 2.9 | 2.2 | 2.3 | 167.6 | 0.6 | 7.4 | 3.9 |
| | Aug | 207.738 | -0.1 | -1.7 | 1.9 | 3.7 | 211.250 | 0.2 | 1.8 | 2.1 | 2.3 | 165.3 | -1.4 | -15.3 | 2.1 |
| | Sep | 208.292 | 0.3 | 3.2 | 2.8 | 3.6 | 211.714 | 0.2 | 2.7 | 2.1 | 2.3 | 167.2 | 1.1 | 14.7 | 4.4 |

Notes

Pages 4, 5: **Final Sales** is gross domestic product (GDP) minus change in private inventories. **Advance, Preliminary, and Final GDP Growth Rates** are released during the first, second, and third months of the following quarter. Changes result from incorporation of more complete information. Real GDP is measured in 2000 dollars. The **ISM** (formerly Purchasing Managers' **Index**) is a weighted average of diffusion indexes for new orders, production, supplier deliveries, inventories, and employment. **Aggregate and Average Weekly Hours** are paid hours of production and nonsupervisory employees. The **Inventory-Sales Ratio** uses nominal (current-dollar) inventory and sales data.

Page 6: For information on how to calculate the **Contribution** of a component to the overall GDP growth rate, see the October 1999 issue of the Survey of Current Business, p. 16. The sign is changed for **Imports**.

Page 7: Ten-year **Treasury Yields** are adjusted to constant maturity; three-month yields are secondary market averages. All rates used in the yield curves are adjusted to constant maturity. The 30-year constant maturity series was discontinued by the Treasury Department as of Feb. 18, 2002. **Standard and Poor's 500 Index with Reinvested Dividends** shows the total return: capital gains plus dividends.

Pages 8, 9: **Oil** (West Texas intermediate) and **Natural Gas** (Henry Hub) spot and futures prices are listed in the *Wall Street Journal*. Spot prices are monthly averages of daily prices; futures prices are usually taken from the last trading day of the month. **Consumer Price Index** is for all urban consumers. The **Consumption Chain Price Index** is the index associated with the personal consumption expenditures component of GDP. The **Employment Cost Index (ECI)** covers private nonfarm employers. **ECI Compensation** refers to a fixed sample of jobs, while **Compensation per Hour** covers all workers in the nonfarm business sector in a given quarter. In both cases, compensation is wages and salaries plus benefits.

Pages 10, 11: Effective with the May 2003 **Employment Situation**, the establishment survey data for employment, hours, and earnings have been converted from the 1987 SIC system to the 2002 NAICS system. For more information see <http://www.bls.gov/ces/>. **Nonfarm Payroll Employment** is counted in a survey of about 400,000 establishments (Current Employment Statistics). It excludes self-employed individuals and workers in private households, but double-counts individuals with more than one job. The **Household Survey** (Current Population Survey) of about 60,000 households provides estimates of civilian employment, unemployment rate, labor force participation rate, and employment-population ratio. **Population** is civilian, noninstitutional, 16 years and over. The 90 percent confidence intervals for the unemployment rate (± 0.2 percentage points) and change in household survey employment ($\pm 290,000$) measure uncertainty due to sample size. Because the household survey was changed in January 1994, data prior to this date are not strictly comparable. The Bureau of Labor Statistics announced several revisions to the Household Survey on Feb. 7, 2003, with the release of the January 2003 data. For more information, see www.bls.gov/cps/. The **Job Openings rate** is the number of job openings on the last business day of the month as a percent of total employment plus job openings.

Page 13: The **Michigan Consumer Sentiment Index** shows changes in a summary measure of consumers' answers to five questions about their current and expected financial situation, expectations about future economic conditions, and attitudes about making large purchases. The survey is based on a representative sample of U.S. households.

Page 15: **Gross Private Saving** is the sum of personal saving, undistributed corporate profits with IVA and CCAAdj (see notes for pp. 18-19), and private wage accruals less disbursements. **Gross Government Saving** is net government saving (surplus/deficit) plus consumption of fixed capital. **Balance on Current Account (NIPA)** is net capital transfer payments to the rest of the world plus net lending or net borrowing (international trade and income flows).

Pages 16, 17: **Government Consumption and Investment** is current expenditures on goods and services, including capital consumption (depreciation) and gross investment, as reported in the NIPAs. The **Unified Federal Budget**

Surplus/Deficit differs from **NIPA Basis** in four main ways: (1) NIPA excludes transactions involving existing assets; (2) NIPA outlays exclude government investment and include consumption of government capital, while unified budget outlays do the reverse; (3) NIPA accounts exclude Puerto Rico and U.S. territories; and (4) various timing issues are handled differently. **Outlays and Receipts** are from the NIPAs, except as noted. Since 1977, the federal **Fiscal Year** starts on October 1. Excluded agency debt was 0.6 percent of federal debt at the end of fiscal 1997. **Federal Debt Held by the Public** includes holdings of the Federal Reserve System and excludes holdings of the social security and other federal trust funds. Federal grants in aid to state and local governments appear in both state and local receipts and federal outlays.

Pages 18, 19: The **Trade Balance** (shown on a balance of payments basis) is the difference between exports and imports of goods (merchandise) and services. It is nearly identical in concept to the **Net Exports** component of GDP, but differs slightly in accounting details. The **Investment Income Balance** equals income received from U.S.-owned assets in other countries minus income paid on foreign-owned assets in the U.S. The investment income balance is nearly identical in concept to the difference between gross national product and gross domestic product, but differs in accounting details. The **Current Account Balance** is the trade balance plus the balance on investment income plus net unilateral transfers to the U.S. from other countries.

Pages 20, 21: **Output per Hour (Y/H)**, **Unit Labor Cost (C/Y)**, and **Compensation per Hour (C/H)** are indexes which approximately obey the following relationship: $\%(Y/H) + \%(C/Y) = \%(C/H)$ with $\%()$ meaning percent changes. Unit labor cost is shown on page 9. **Real Compensation per Hour** uses the CPI to adjust for the effects of inflation. Nonfarm business accounted for about 76 percent of the value of GDP in 1996, while nonfinancial corporations accounted for about 54 percent. **Inventory Valuation Adjustments (IVA)** remove the effect of changes in the value of existing inventories from corporate profits and proprietors' income. (This change in value does not correspond to current production and therefore is not part of GDP). **Capital Consumption Adjustments (CCAdj)** increase profits and proprietors' income by the difference between estimates of economic depreciation and depreciation allowed by the tax code. Components of national income not shown are rental income of persons and net interest.

NOTE: Most measures of economic activity are now based on the 2002 North American Industry Classification System (NAICS), which replaces the 1987 Standard Industry Classification (SIC) system.

Sources

Bureau of Economic Analysis (BEA), U.S. Dept. of Commerce

National income and product accounts, international trade and investment data (except by country), auto and light truck sales.

Census Bureau, U.S. Dept. of Commerce

Inventory-sales ratios, retail sales, capital goods orders, housing starts, exports and imports by country.

Bureau of Labor Statistics (BLS), U.S. Dept. of Labor

All employment-related data, employment cost index, consumer and producer price indexes, unit labor cost, output per hour, compensation per hour, multifactor productivity.

United States Department of Treasury

Unified budget receipts, outlays, deficit, debt.

Federal Reserve Board

Index of industrial production, treasury yields, exchange rates, capacity utilization, household debt.

The Survey Research Center, The University of Michigan

Consumer sentiment index.

Organization for Economic Cooperation and Development (OECD)

GDP for major trading partners (not available on FRED).