

## An Expanded Look at Employment

On the first Friday of each month, the Bureau of Labor Statistics (BLS) releases its closely scrutinized monthly employment report. Data in this report are derived from two surveys: the Census Bureau's Current Population Survey, also known as the household survey; and the Current Employment Statistics survey (CES), which is a survey of nonagricultural business establishments (including government offices).<sup>1</sup>

One of the limitations of the CES is that data for average weekly hours and average hourly earnings are reported for only a subset of workers: currently, production, construction, and non-supervisory workers. The production classification is used in the goods-producing sector, while the non-supervisory classification is used in the service-producing industries. Workers in these two categories account for about 80 percent of private nonagricultural employment.

According to the BLS, this classification system has become increasingly archaic. Many employers do not classify workers by these two categories, which has led to relatively high non-response rates.<sup>2</sup> Looking to the future, the BLS began publishing an experimental series in April 2006 that measures average hourly earnings and average weekly hours of all nonfarm private-sector employees. The BLS also began publishing an experimental gross monthly earnings series that includes both wages and salaries and benefits such as bonuses, stock options, and employer contributions to 401(k) plans. The existing BLS average hourly earnings series excludes these kinds of benefits.

These experimental data are relatively new and so are not seasonally adjusted, as the existing data are. Moreover, these data are published with a two-month lag. (For example, if the official data are available for January 2008, the experimental series are available only through November 2007.) The experi-

mental all-employee series for hours and earnings will become the official data in February 2010, with the release of the January 2010 data. At that time the BLS believes that it will have had enough time to reliably estimate monthly seasonal factors.

These experimental hours and earnings series have potentially significant implications for measures of nonfarm business productivity and personal income. For example, the BLS uses the CES-based series of *hours paid* of production and non-supervisory workers as the key input into its measure of *hours worked* (the denominator in output per hour).<sup>3</sup> If the existing CES series is not reporting a complete picture of hours worked, then measures of productivity will be affected.

The charts show the percentage difference between the existing and experimental series for average hourly earnings and average weekly hours (not seasonally adjusted): The experimental measure of hours is on average between 1 and 3 percent higher than the existing measure. The experimental measure of average hourly earnings is also consistently higher than the existing measure: As of November 2007, this difference was about 19.5 percent (\$21.12 versus \$17.63, respectively). These charts seem to imply that workers not currently classified as production or non-supervisory employees tend to work longer hours and earn more per hour.

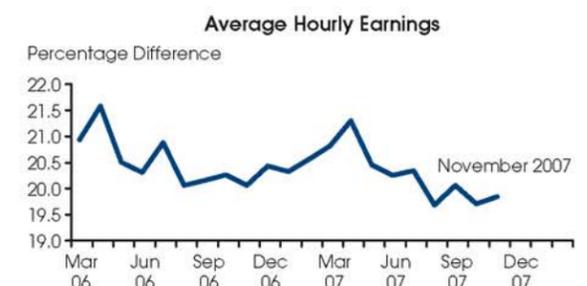
—Kevin L. Kliesen

<sup>1</sup> For more detail, see the BLS's *Handbook of Methods*; [www.bls.gov/opub/hom/home.htm](http://www.bls.gov/opub/hom/home.htm).

<sup>2</sup> "CES Program: Changes Planned for Hours and Earnings Series." *Monthly Labor Review*, October 2003, pp. 38-39; [www.bls.gov/opub/mlr/2003/10/ressum1.pdf](http://www.bls.gov/opub/mlr/2003/10/ressum1.pdf).

<sup>3</sup> See Parker, Robert P. "New Monthly Hours and Earnings Measures from the Bureau of Labor Statistics' Current Employment Statistics Program." *Business Economics*, April 2007, pp. 69-74.

### Experimental Series Relative to Existing BLS Series



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.

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## 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 January 2008 **Employment Situation**, the establishment survey data for employment, hours, and earnings have been converted from the 2002 NAICS system to the 2007 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 ( $\pm 0.2$  percentage points) and change in household survey employment ( $\pm 430,000$ ) 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/](http://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  $\%(C)$  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 77 percent of the value of GDP in 2000, 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 (CCAAdj)** 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.

## 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.

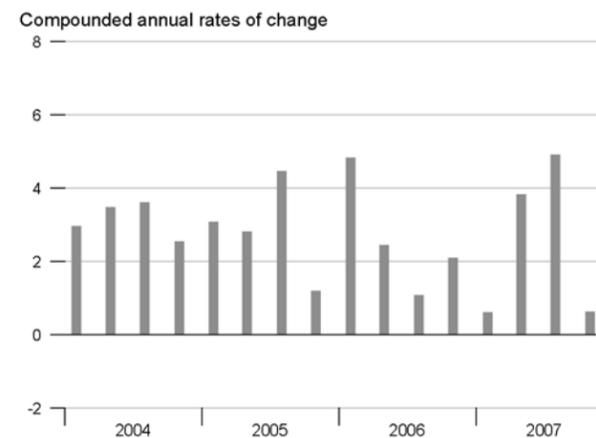
*Federal Reserve Board*  
 Index of industrial production, treasury yields, exchange rates, capacity utilization, household debt.

*The Survey Research Center, The University of Michigan*  
 Consumer sentiment index.

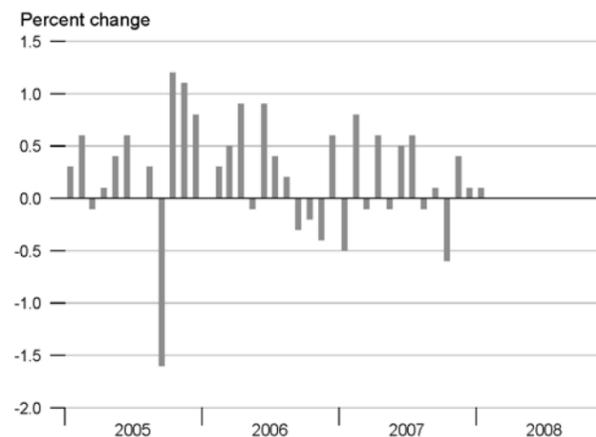
*Organization for Economic Cooperation and Development (OECD)*  
 GDP for major trading partners (not available on FRED).

	Consumer Price Index					Consumer Price Index less Food and Energy					Producer Price Index Finished Goods				
	Index	Percent change				Index	Percent change				Index	Percent change			
		Monthly/quarterly	Annual rate	Year ago	Year to date		Monthly/quarterly	Annual rate	Year ago	Year to date		Monthly/quarterly	Annual rate	Year ago	
2003	184.0			2.3		193.2			1.5		143.3			3.2	
2004	188.9			2.7		196.6			1.8		148.5			3.6	
2005	195.3			3.4		200.9			2.2		155.7			4.9	
2006	201.6			3.2		205.9			2.5		160.3			3.0	
2007	207.3			2.9		210.7			2.3		166.6			3.9	
2005	1	192.3	0.5	2.0	3.0	2.0	199.5	0.6	2.5	2.3	2.5	152.7	0.9	3.5	4.7
	2	193.6	0.7	2.8	2.9	2.4	200.4	0.5	2.0	2.2	2.2	154.1	0.9	3.5	4.0
	3	196.6	1.5	6.3	3.8	3.7	201.2	0.4	1.5	2.1	2.0	156.7	1.7	6.9	5.5
	4	198.6	1.0	4.0	3.8	3.8	202.4	0.6	2.5	2.1	2.1	159.3	1.7	7.0	5.2
2006	1	199.4	0.4	1.8	3.7	1.8	203.7	0.6	2.5	2.1	2.5	159.6	0.1	0.6	4.5
	2	201.3	0.9	3.7	3.9	2.7	205.4	0.9	3.4	2.5	3.0	160.8	0.8	3.0	4.3
	3	203.2	1.0	3.9	3.3	3.1	206.9	0.7	2.9	2.8	2.9	161.1	0.2	0.8	2.8
	4	202.4	-0.4	-1.5	1.9	1.9	207.8	0.5	1.8	2.7	2.7	159.8	-0.8	-3.3	0.3
2007	1	204.3	0.9	3.7	2.4	3.7	209.0	0.6	2.3	2.6	2.3	162.7	1.9	7.6	2.0
	2	206.6	1.1	4.6	2.6	4.1	210.0	0.5	2.0	2.3	2.2	166.2	2.1	8.8	3.4
	3	208.0	0.7	2.8	2.4	3.7	211.3	0.6	2.5	2.1	2.3	166.9	0.4	1.6	3.6
	4	210.6	1.2	5.0	4.0	4.0	212.6	0.6	2.5	2.3	2.3	170.6	2.2	9.2	6.8
2006	Jan	199.4	0.6	7.5	4.0	7.5	203.2	0.2	2.4	2.1	2.4	160.6	0.8	9.4	5.7
	Feb	199.3	-0.1	-0.6	3.6	3.4	203.6	0.2	2.4	2.1	2.4	158.8	-1.1	-12.7	4.0
	Mar	199.6	0.2	1.8	3.5	2.9	204.2	0.3	3.6	2.1	2.8	159.3	0.3	3.8	3.7
	Apr	200.6	0.5	6.2	3.5	3.7	204.8	0.3	3.6	2.3	3.0	160.4	0.7	8.6	4.0
	May	201.3	0.3	4.3	4.0	3.8	205.4	0.3	3.6	2.4	3.1	160.5	0.1	0.8	4.3
	Jun	201.9	0.3	3.6	4.3	3.8	206.0	0.3	3.6	2.7	3.2	161.4	0.6	6.9	4.8
	Jul	202.9	0.5	6.1	4.1	4.1	206.4	0.2	2.4	2.7	3.1	161.0	-0.2	-2.9	3.8
	Aug	203.8	0.4	5.5	3.9	4.3	206.9	0.2	2.9	2.8	3.0	162.3	0.8	10.1	3.8
	Sep	202.9	-0.4	-5.2	2.1	3.2	207.3	0.2	2.3	2.9	3.0	160.0	-1.4	-15.7	0.9
	Oct	201.9	-0.5	-5.8	1.4	2.2	207.6	0.1	1.8	2.8	2.8	158.1	-1.2	-13.4	-1.2
	Nov	202.1	0.1	1.2	1.9	2.1	207.7	0.0	0.6	2.6	2.6	160.1	1.3	16.3	0.9
	Dec	203.3	0.6	7.4	2.6	2.6	208.1	0.2	2.3	2.6	2.6	161.1	0.6	7.8	1.1
2007	Jan	203.6	0.1	1.5	2.1	1.5	208.6	0.2	3.0	2.7	3.0	160.9	-0.1	-1.5	0.2
	Feb	204.2	0.3	3.6	2.4	2.6	209.1	0.2	2.8	2.7	2.9	162.9	1.2	16.0	2.6
	Mar	205.1	0.5	5.7	2.8	3.6	209.2	0.1	0.9	2.5	2.2	164.4	0.9	11.6	3.2
	Apr	205.8	0.3	3.9	2.6	3.7	209.7	0.2	2.4	2.4	2.3	165.5	0.7	8.3	3.2
	May	206.7	0.5	5.7	2.7	4.1	210.0	0.2	1.9	2.2	2.2	166.5	0.6	7.5	3.7
	Jun	207.2	0.3	3.2	2.6	3.9	210.4	0.2	2.7	2.2	2.3	166.6	0.1	0.7	3.2
	Jul	207.7	0.2	2.7	2.4	3.7	210.9	0.2	2.8	2.2	2.3	167.5	0.5	6.7	4.0
	Aug	207.7	0.0	0.2	1.9	3.3	211.3	0.2	1.9	2.1	2.3	166.1	-0.8	-9.6	2.3
	Sep	208.5	0.4	4.5	2.8	3.4	211.7	0.2	2.7	2.1	2.3	167.0	0.5	6.7	4.4
	Oct	209.1	0.3	3.2	3.5	3.4	212.1	0.2	2.2	2.2	2.3	167.9	0.5	6.7	6.2
	Nov	210.9	0.9	11.3	4.4	4.1	212.6	0.2	2.9	2.4	2.4	172.2	2.6	35.5	7.6
	Dec	211.7	0.4	4.4	4.1	4.1	213.1	0.2	2.7	2.4	2.4	171.6	-0.3	-4.1	6.5
2008	Jan	212.5	0.4	4.8	4.4	4.8	213.8	0.3	3.8	2.5	3.8	173.3	1.0	12.6	7.7

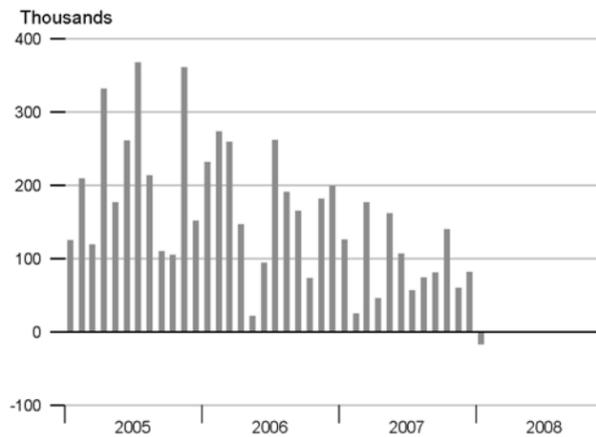
Real GDP Growth



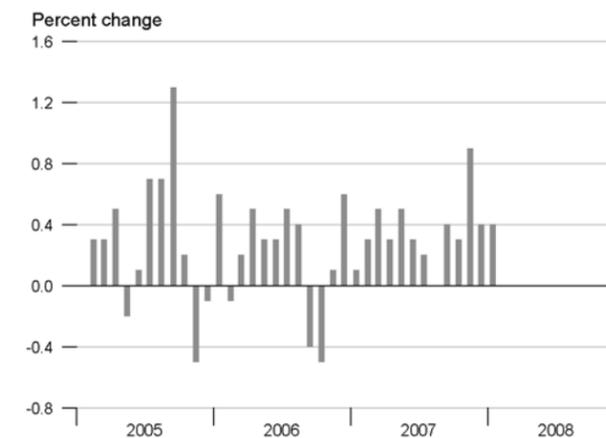
Industrial Production



Change in Nonfarm Payrolls



Consumer Price Index



Interest Rates

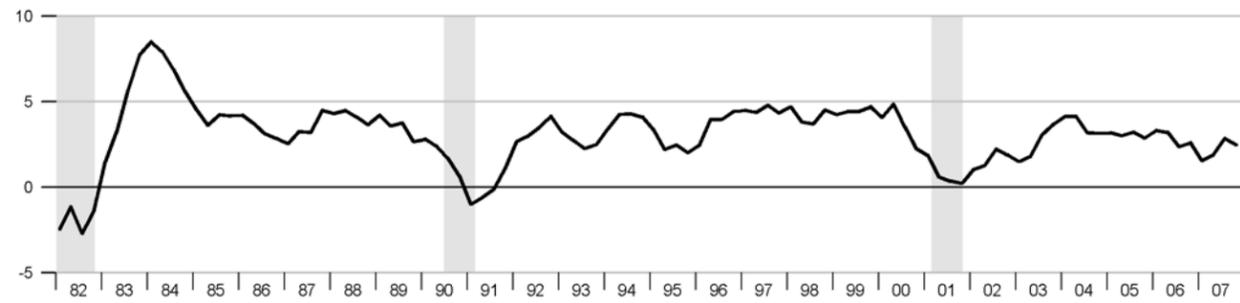


Unemployment Rate



**Real Gross Domestic Product**

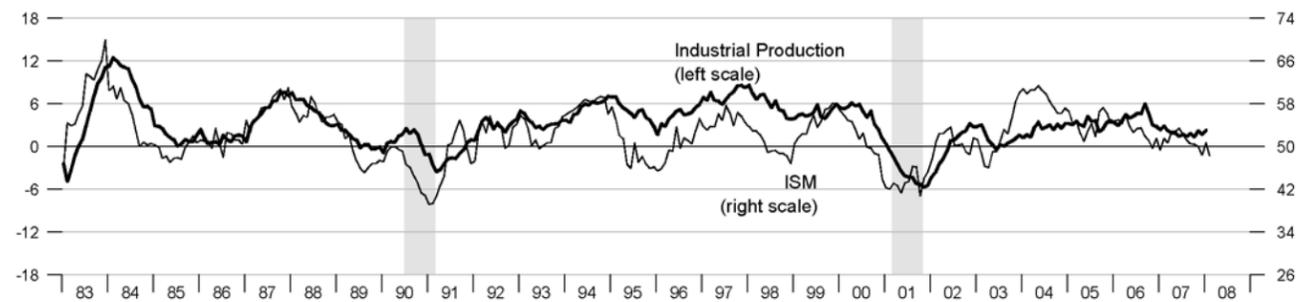
Percent change from year ago



**Industrial Production and Institute for Supply Management (ISM) Indexes**

Percent change from year ago

Index



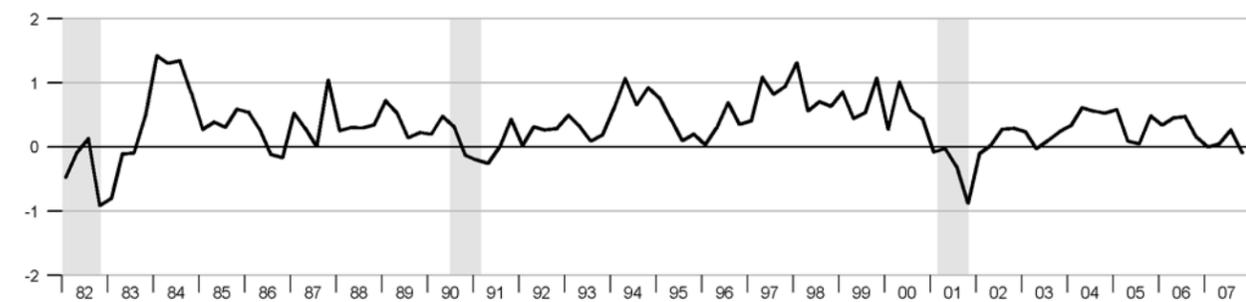
**Aggregate Private Nonfarm Hours**

Percent change from year ago



**Real Change in Private Inventories**

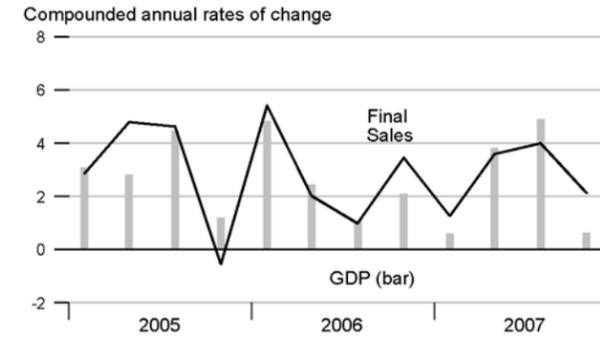
Percent of GDP



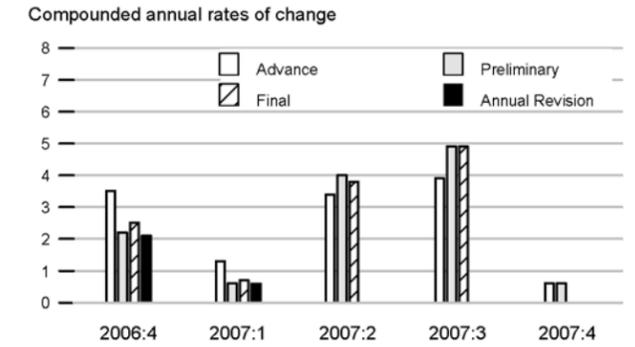
	Unempl. Rate	Retail and Food Services Sales			Industrial Production			Treasury Yields			
		Billions of dollars	Percent change		Index	Percent change		(Percent)			
			Monthly/quarterly	Annual rate	Year ago		Monthly/quarterly	Annual rate	Year ago	3-mo	10-yr
2003	6.0	3614.093			4.2	101.0619			1.1	1.01	4.02
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	4338.317			6.2	111.2407			4.0	4.73	4.79
2007	4.6	4514.590			4.1	113.3642			1.9	4.35	4.63
2005	1	994.839	1.0	4.1	6.0	105.9764	1.1	4.6	3.3	2.54	4.30
	2	1015.843	2.1	8.7	7.2	106.6983	0.7	2.8	3.4	2.86	4.16
	3	1034.026	1.8	7.4	7.4	106.9113	0.2	0.8	3.1	3.36	4.21
	4	1040.632	0.6	2.6	5.7	108.1499	1.2	4.7	3.2	3.83	4.49
2006	1	1072.960	3.1	13.0	7.9	109.4847	1.2	5.0	3.3	4.39	4.57
	2	1081.227	0.8	3.1	6.4	111.2261	1.6	6.5	4.2	4.70	5.07
	3	1089.867	0.8	3.2	5.4	112.3327	1.0	4.0	5.1	4.91	4.90
	4	1094.263	0.4	1.6	5.2	111.9193	-0.4	-1.5	3.5	4.90	4.63
2007	1	1110.832	1.5	6.2	3.5	112.2157	0.3	1.1	2.5	4.98	4.68
	2	1124.080	1.2	4.9	4.0	113.1718	0.9	3.5	1.7	4.74	4.85
	3	1134.310	0.9	3.7	4.1	114.1835	0.9	3.6	1.6	4.30	4.73
	4	1145.368	1.0	4.0	4.7	113.8859	-0.3	-1.0	1.8	3.39	4.26
2006	Feb	356.451	-0.8	-9.0	7.2	109.3862	0.3	3.1	3.0	4.43	4.57
	Mar	357.255	0.2	2.7	7.4	109.9597	0.5	6.5	3.6	4.51	4.72
	Apr	361.376	1.2	14.8	7.1	110.9443	0.9	11.3	4.5	4.60	4.99
	May	359.363	-0.6	-6.5	6.9	110.8746	-0.1	-0.8	4.0	4.72	5.11
	Jun	360.488	0.3	3.8	5.4	111.8594	0.9	11.2	4.3	4.79	5.11
	Jul	363.633	0.9	11.0	4.5	112.3067	0.4	4.9	4.7	4.95	5.09
	Aug	364.172	0.1	1.8	6.3	112.5208	0.2	2.3	4.6	4.96	4.88
	Sep	362.062	-0.6	-6.7	5.4	112.1707	-0.3	-3.7	6.0	4.81	4.72
	Oct	363.019	0.3	3.2	5.2	111.9994	-0.2	-1.8	4.6	4.92	4.73
	Nov	363.067	0.0	0.2	4.4	111.5291	-0.4	-4.9	3.0	4.94	4.60
	Dec	368.177	1.4	18.3	5.9	112.2295	0.6	7.8	2.8	4.85	4.56
	2007	Jan	368.694	0.1	1.7	2.6	111.6827	-0.5	-5.7	2.4	4.98
Feb		369.287	0.2	1.9	3.6	112.5319	0.8	9.5	2.9	5.03	4.72
Mar		372.851	1.0	12.2	4.4	112.4324	-0.1	-1.1	2.2	4.94	4.56
Apr		371.651	-0.3	-3.8	2.8	113.0619	0.6	6.9	1.9	4.87	4.69
May		377.689	1.6	21.3	5.1	112.9510	-0.1	-1.2	1.9	4.73	4.75
Jun		374.740	-0.8	-9.0	4.0	113.5026	0.5	6.0	1.5	4.61	5.10
Jul		376.906	0.6	7.2	3.7	114.2392	0.6	8.1	1.7	4.82	5.00
Aug		377.173	0.1	0.9	3.6	114.1040	-0.1	-1.4	1.4	4.20	4.67
Sep		380.231	0.8	10.2	5.0	114.2072	0.1	1.1	1.8	3.89	4.52
Oct		380.349	0.0	0.4	4.8	113.5484	-0.6	-6.7	1.4	3.90	4.53
Nov		383.365	0.8	9.9	5.6	113.9826	0.4	4.7	2.2	3.27	4.15
Dec		381.654	-0.4	-5.2	3.7	114.1268	0.1	1.5	1.7	3.00	4.10
2008	Jan	382.906	0.3	4.0	3.9	114.2334	0.1	1.1	2.3	2.75	3.74
	Feb									2.12	3.74

	Household Survey Employment				Nonfarm Payroll Employment				Nonfarm Aggregate Hours				
	Thousands	Change	Percent change		Thousands	Change	Percent change		Index	Monthly rate	Percent change		
			Annual rate	Year ago			Annual rate	Year ago			Annual rate	Year ago	
2003	137729	1248		0.9	129996	-344		-0.3	98.6			-1.4	
2004	139242	1512		1.1	131419	1423		1.1	100.2			1.6	
2005	141716	2474		1.8	133695	2276		1.7	102.8			2.6	
2006	144421	2706		1.9	136092	2397		1.8	105.7			2.9	
2007	146049	1628		1.1	137622	1530		1.1	107.2			1.4	
2005	1	140380	334	1.0	1.4	132655	421	1.3	1.6	101.6	0.6	2.3	2.3
	2	141516	1136	3.3	1.9	133341	686	2.1	1.6	102.4	0.8	3.1	2.5
	3	142314	797	2.3	2.0	134121	780	2.4	1.9	103.1	0.7	2.8	2.6
	4	142652	338	1.0	1.9	134661	541	1.6	1.8	103.9	0.8	3.3	2.8
2006	1	143356	704	2.0	2.1	135383	722	2.2	2.1	104.9	0.9	3.8	3.2
	2	144083	727	2.0	1.8	135840	457	1.4	1.9	105.6	0.7	2.7	3.1
	3	144604	521	1.5	1.6	136354	514	1.5	1.7	106.0	0.4	1.7	2.8
	4	145642	1038	2.9	2.1	136789	434	1.3	1.6	106.4	0.3	1.4	2.4
2007	1	145983	340	0.9	1.8	137184	395	1.2	1.3	106.6	0.2	0.8	1.6
	2	145904	-78	-0.2	1.3	137500	316	0.9	1.2	107.2	0.5	2.1	1.5
	3	146019	115	0.3	1.0	137758	259	0.8	1.0	107.5	0.3	1.1	1.4
	4	146291	272	0.7	0.4	138044	286	0.8	0.9	107.7	0.2	1.0	1.3
2006	Jan	143086	308	2.6	2.0	135115	232	2.1	2.0	104.8	0.6	7.1	3.5
	Feb	143362	276	2.3	2.1	135388	273	2.5	2.0	104.8	0.0	0.0	2.8
	Mar	143619	257	2.2	2.2	135647	259	2.3	2.1	105.1	0.3	3.5	3.3
	Apr	143791	172	1.4	1.8	135794	147	1.3	2.0	105.6	0.5	5.9	3.1
	May	144088	297	2.5	1.8	135816	22	0.2	1.9	105.4	-0.2	-2.2	3.1
	Jun	144369	281	2.4	1.9	135910	94	0.8	1.7	105.8	0.4	4.7	3.1
	Jul	144295	-74	-0.6	1.6	136172	262	2.3	1.7	106.0	0.2	2.3	3.1
	Aug	144671	376	3.2	1.6	136363	191	1.7	1.6	106.2	0.2	2.3	3.1
	Sep	144846	175	1.5	1.7	136528	165	1.5	1.7	105.9	-0.3	-3.3	2.3
	Oct	145395	549	4.6	2.0	136601	73	0.6	1.7	106.3	0.4	4.6	2.6
	Nov	145583	188	1.6	2.1	136783	182	1.6	1.5	106.2	-0.1	-1.1	2.1
	Dec	145949	366	3.1	2.2	136982	199	1.8	1.6	106.7	0.5	5.8	2.4
2007	Jan	145915	-34	-0.3	2.0	137108	126	1.1	1.5	106.5	-0.2	-2.2	1.6
	Feb	145888	-27	-0.2	1.8	137133	25	0.2	1.3	106.2	-0.3	-3.3	1.3
	Mar	146145	257	2.1	1.8	137310	177	1.6	1.2	107.1	0.8	10.7	1.9
	Apr	145713	-432	-3.5	1.3	137356	46	0.4	1.2	106.8	-0.3	-3.3	1.1
	May	145913	200	1.7	1.3	137518	162	1.4	1.3	107.1	0.3	3.4	1.6
	Jun	146087	174	1.4	1.2	137625	107	0.9	1.3	107.6	0.5	5.7	1.7
	Jul	146045	-42	-0.3	1.2	137682	57	0.5	1.1	107.4	-0.2	-2.2	1.3
	Aug	145753	-292	-2.4	0.7	137756	74	0.6	1.0	107.4	0.0	0.0	1.1
	Sep	146260	507	4.3	1.0	137837	81	0.7	1.0	107.6	0.2	2.3	1.6
	Oct	146016	-244	-2.0	0.4	137977	140	1.2	1.0	107.7	0.1	1.1	1.3
	Nov	146647	631	5.3	0.7	138037	60	0.5	0.9	107.7	0.0	0.0	1.4
	Dec	146211	-436	-3.5	0.2	138119	82	0.7	0.8	107.8	0.1	1.1	1.0
2008	Jan	146248	37	0.3	0.2	138102	-17	-0.1	0.7	107.5	-0.3	-3.3	0.9

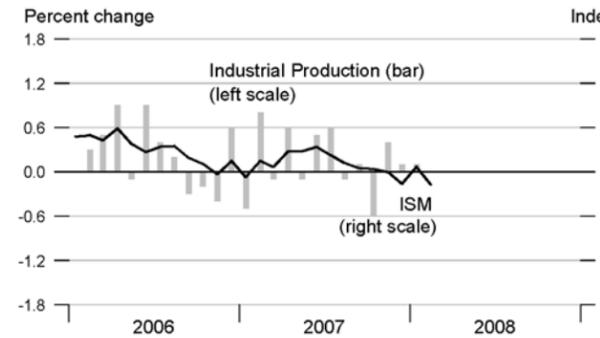
Real Final Sales and GDP



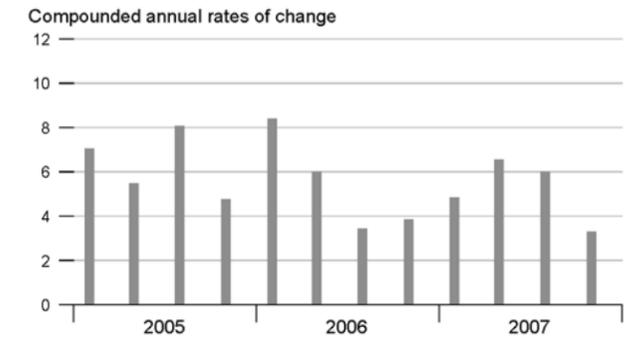
Real GDP Revisions



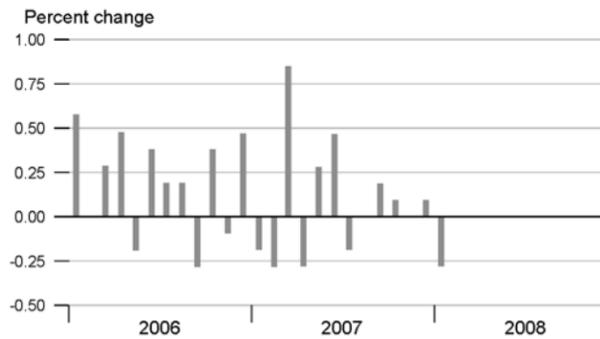
Industrial Production and ISM Index



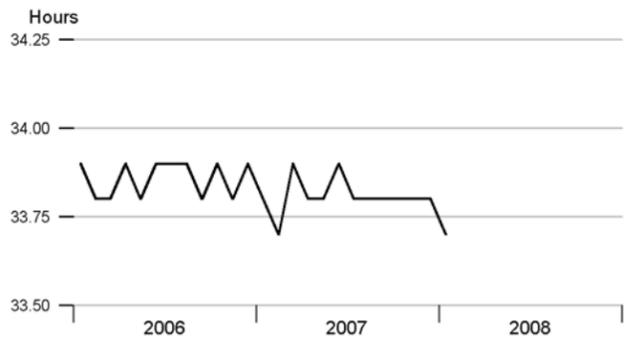
Nominal Gross Domestic Product



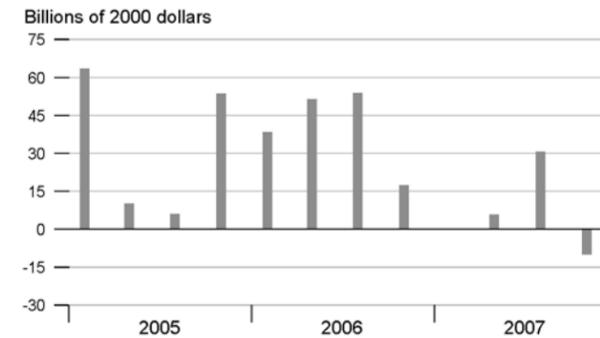
Aggregate Private Nonfarm Hours



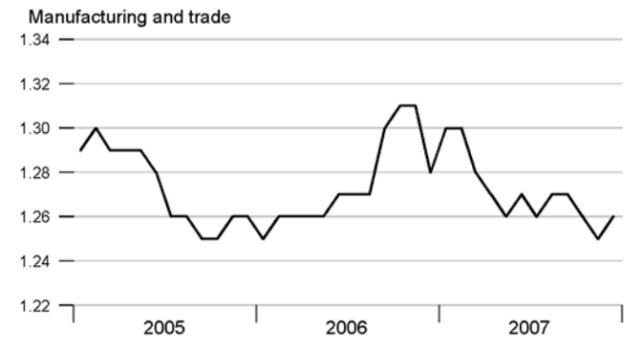
Average Weekly Private Nonfarm Hours



Real Change in Private Inventories



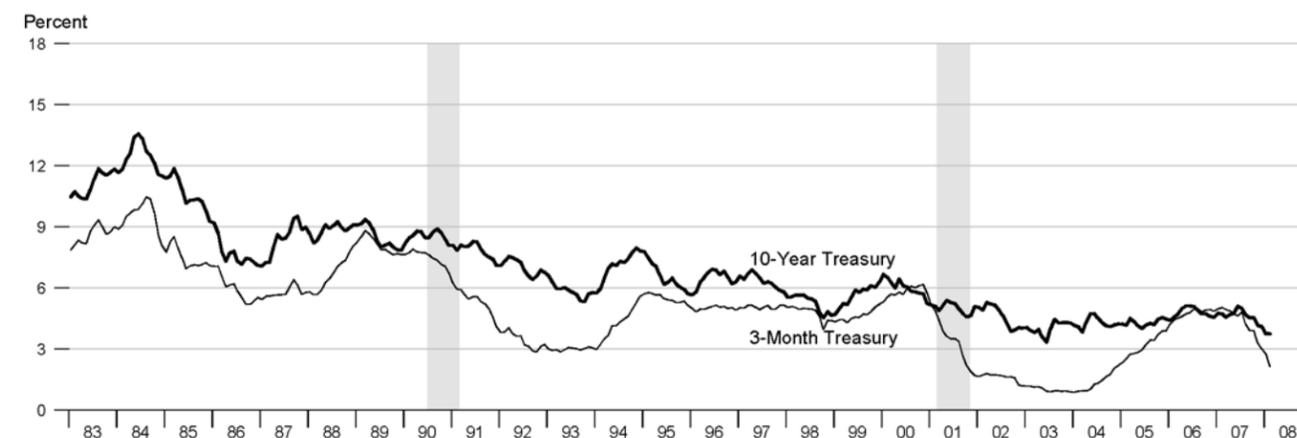
Inventory-Sales Ratio



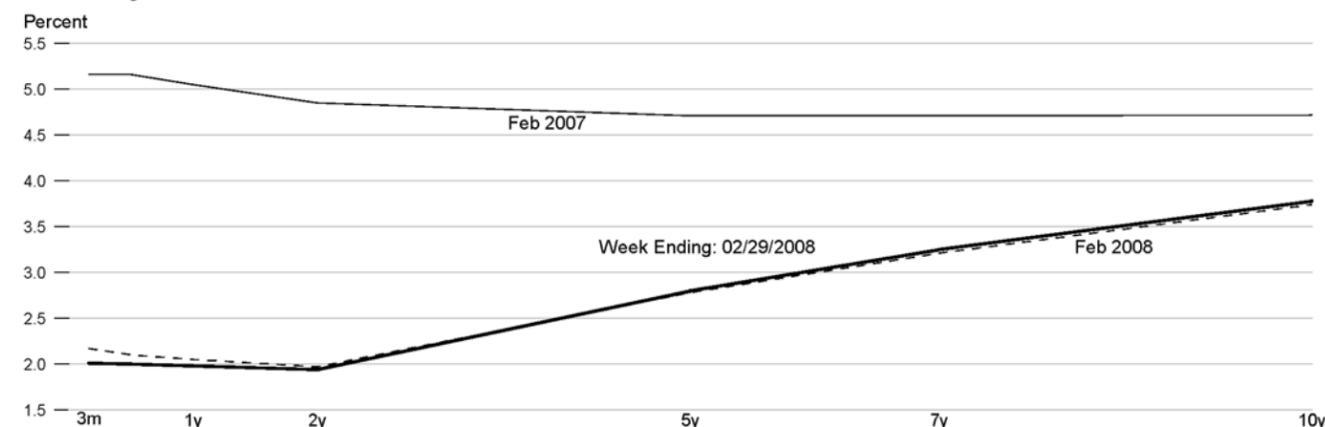


	Nominal GDP			Real GDP			Final Sales			Change in Private Inventories			
	Billions of \$	Percent change		Billions of 2000 \$	Percent change		Billions of 2000 \$	Percent change		Billions of 2000 \$			
		Annual rate	Year ago		Annual rate	Year ago		Annual rate	Year ago	Last qtr	Year/Year ago		
2004	11685.9	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			
2007	13843.8	4.9		11567.187	2.2		11559.676	2.5		6.609			
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	13970.5	6.0	5.3	11658.927	4.9	2.8	11626.389	4.0	3.1	30.638	13.475	
	4	14084.1	3.3	5.2	11677.088	0.6	2.5	11687.977	2.1	2.7	-10.061	6.609	
	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	
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		
2007	8275.906	2.9		1235.609	4.7		1820.107	-2.9		1369.044	4.8		
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	8302.240	2.8	3.0	1241.912	4.5	4.7	1825.987	-0.7	-2.3	1387.278	9.3	5.1
	4	8341.328	1.9	2.5	1249.000	2.3	4.3	1809.903	-3.5	-1.4	1410.540	6.9	7.3

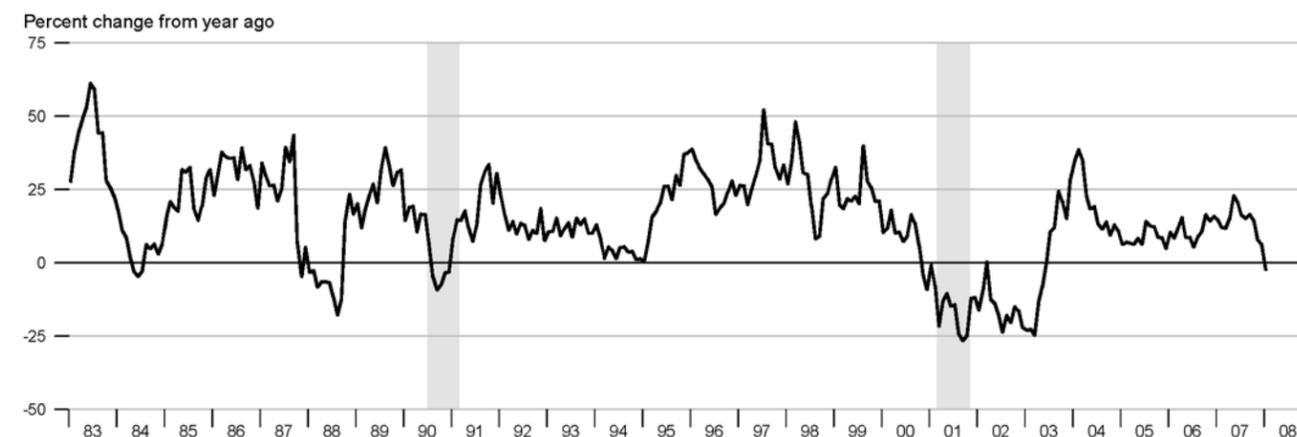
Interest Rates



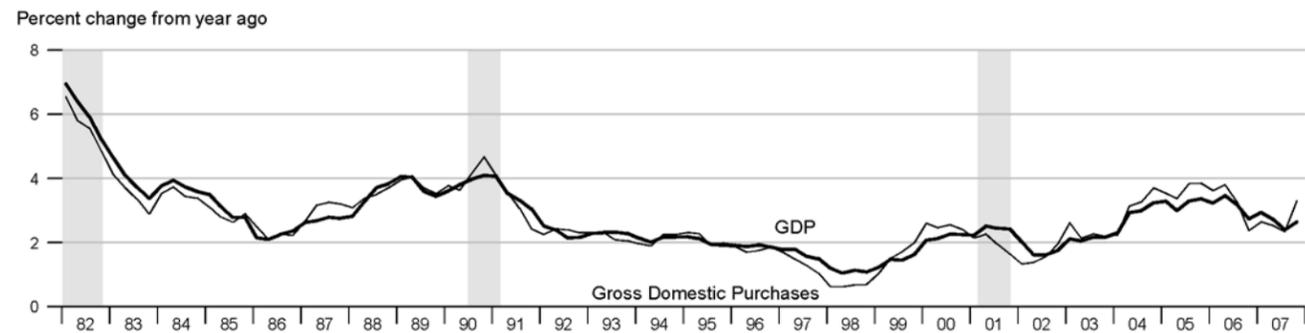
Treasury Yield Curve



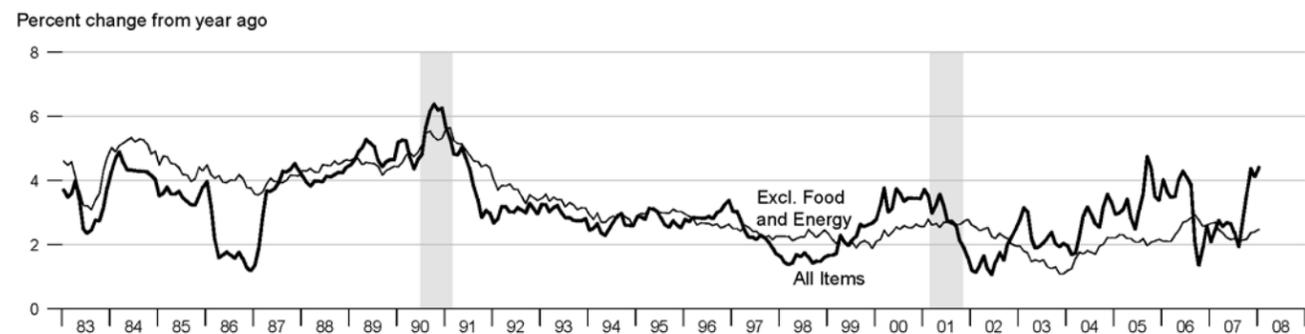
Standard and Poor's 500 Index with Reinvested Dividends



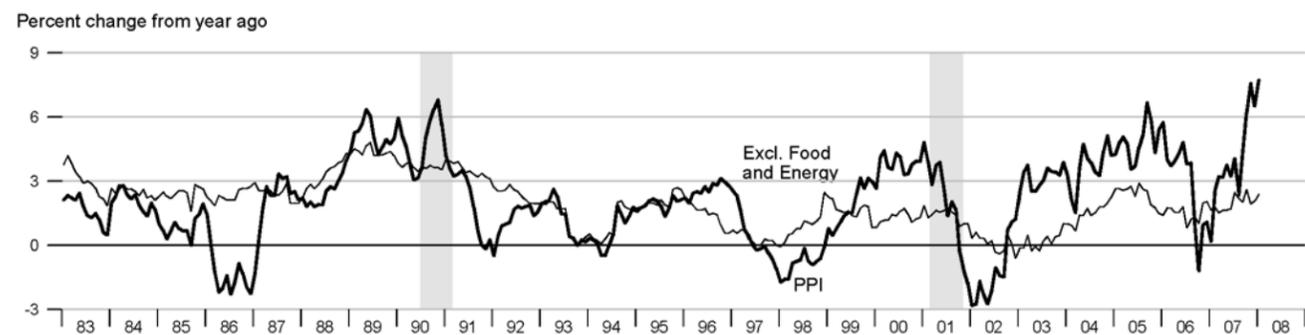
**NIPA Chain Price Indexes**



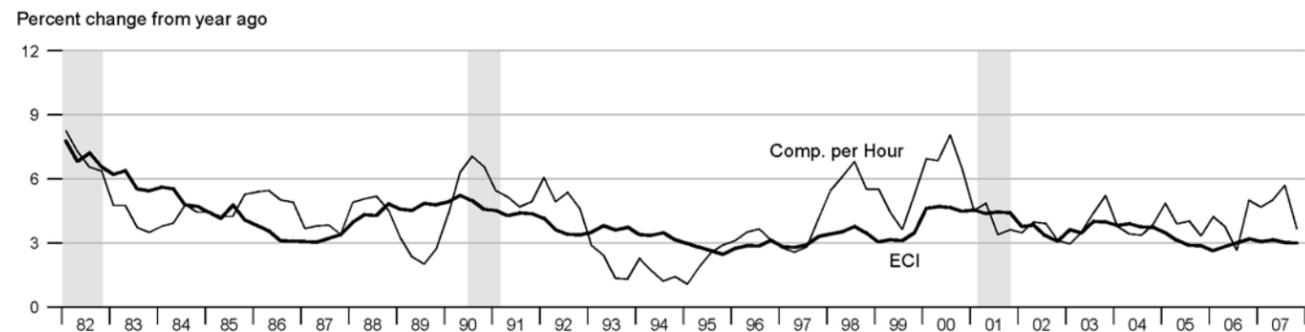
**Consumer Price Index**



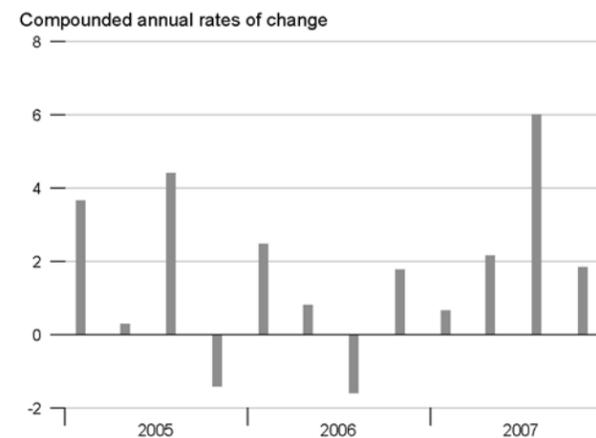
**Producer Price Index, Finished Goods**



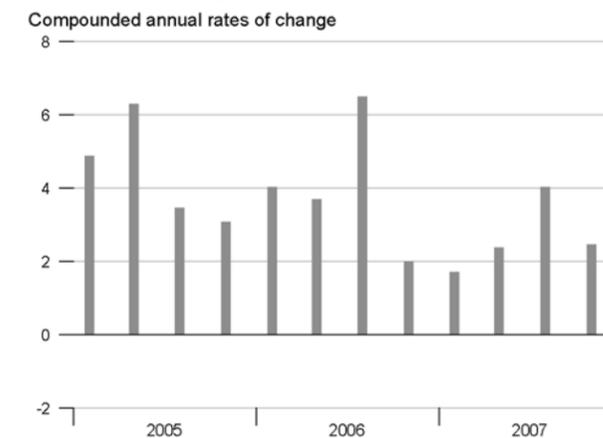
**Employment Cost Index and Compensation per Hour**



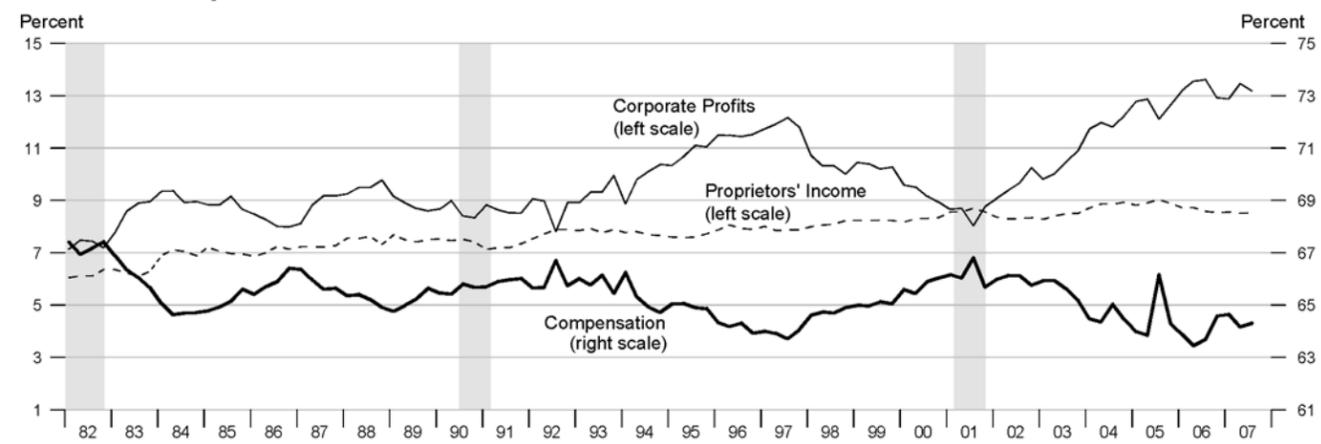
**Nonfarm Output per Hour**



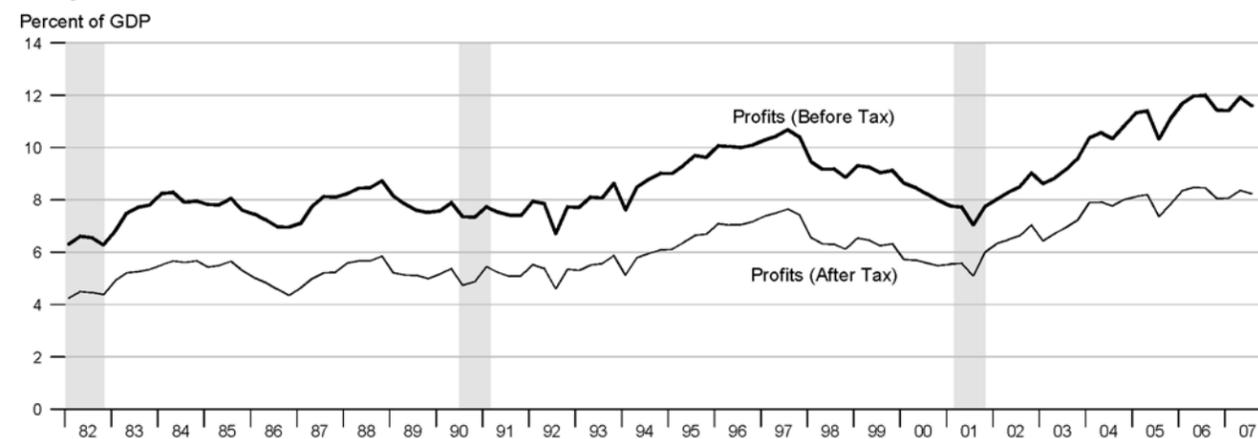
**Manufacturing Output per Hour**



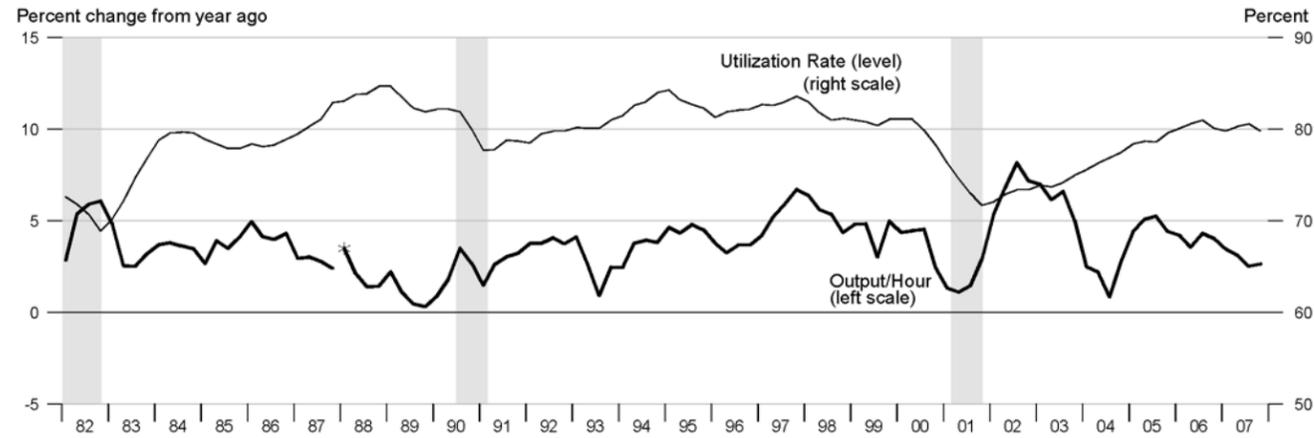
**Selected Component Shares of National Income**



**Corporate Profits**

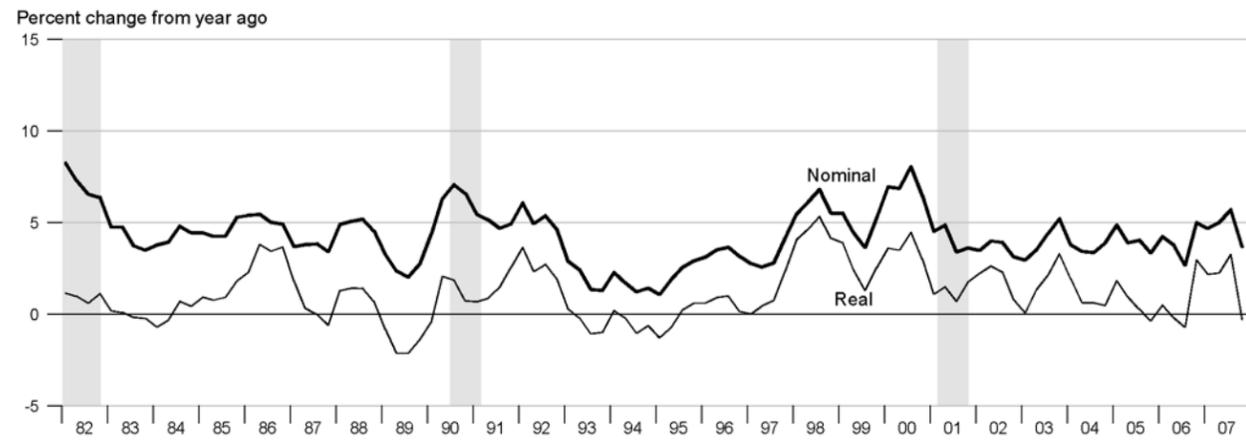


**Output per Hour and Capacity Utilization, Manufacturing**

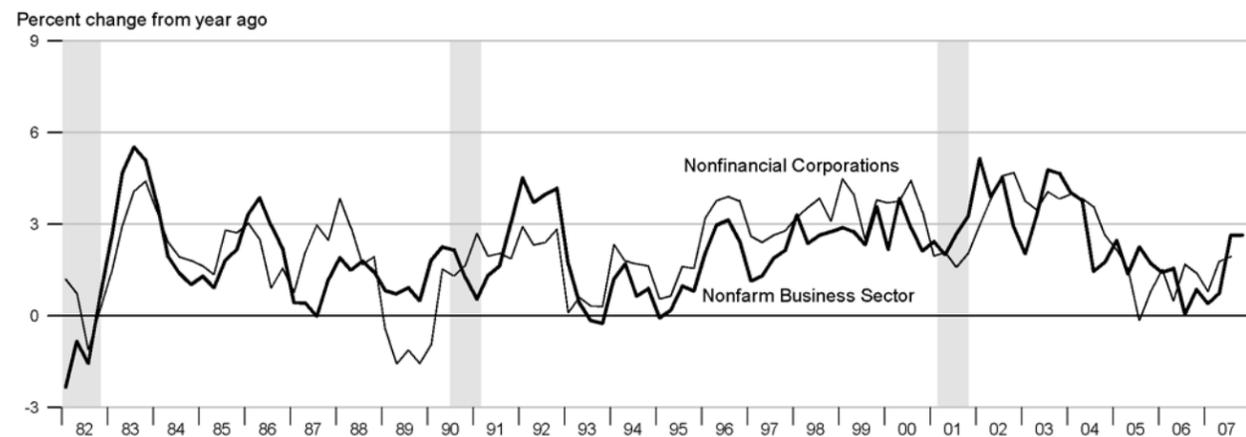


\*Data from 1987 to the present are on a NAICS basis; data prior to 1987 are on an SIC basis and are not strictly comparable (see End Note).

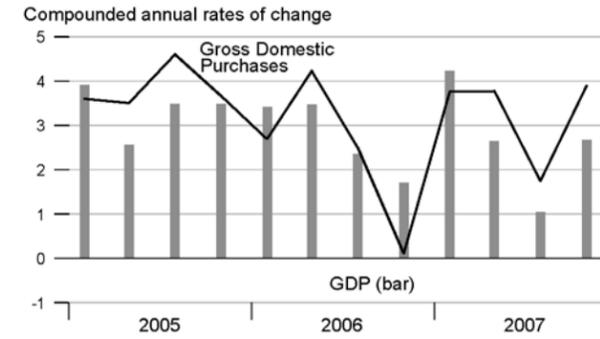
**Nonfarm Compensation per Hour**



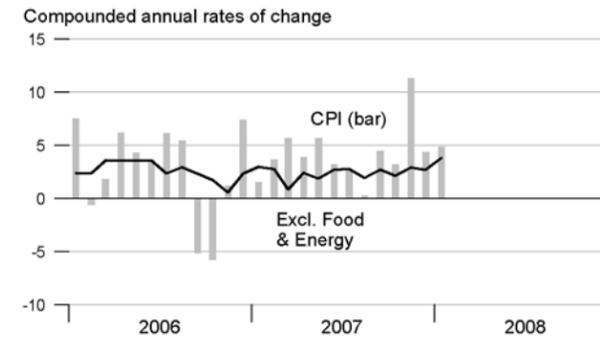
**Output per Hour, Nonfarm Business and Nonfinancial Corporations**



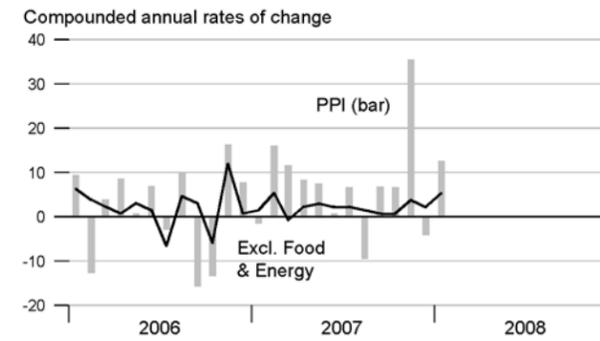
**NIPA Chain Price Indexes**



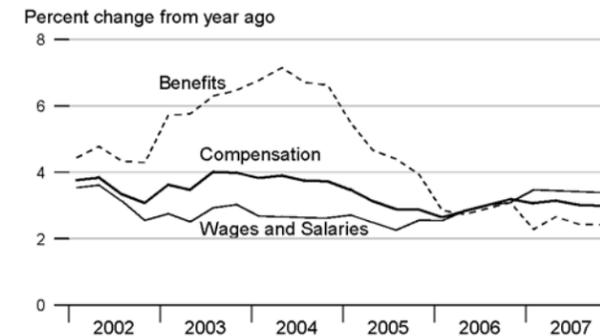
**Consumer Price Index**



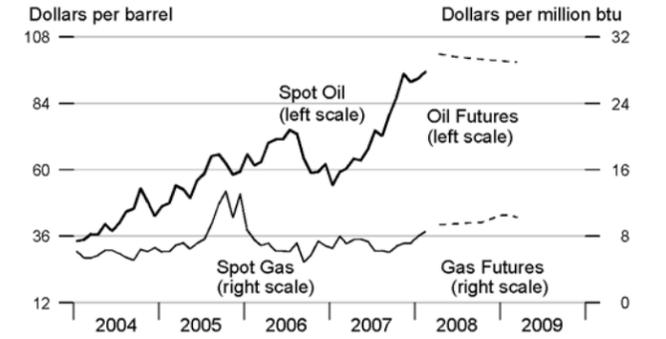
**Producer Price Index, Finished Goods**



**Employment Cost Index**

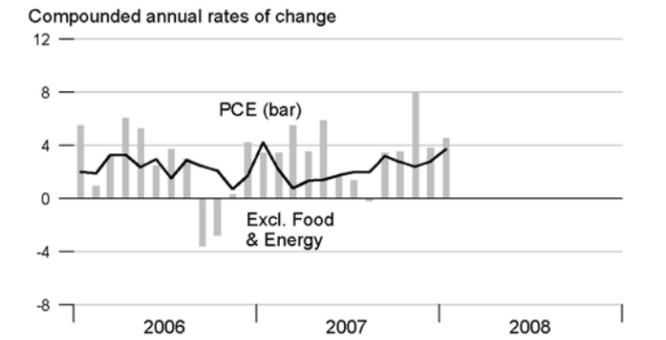


**Oil & Natural Gas Prices: Spot & Futures**

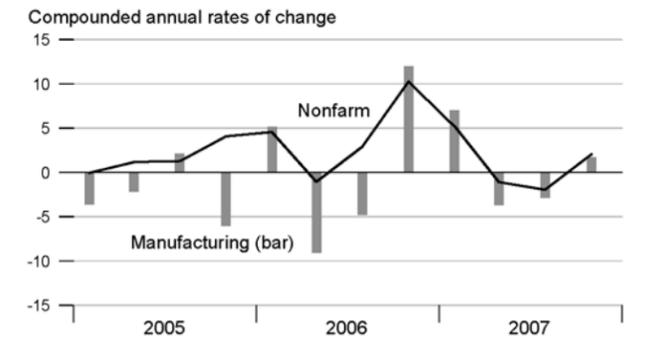


Note: Futures prices as of 02/29/2008.

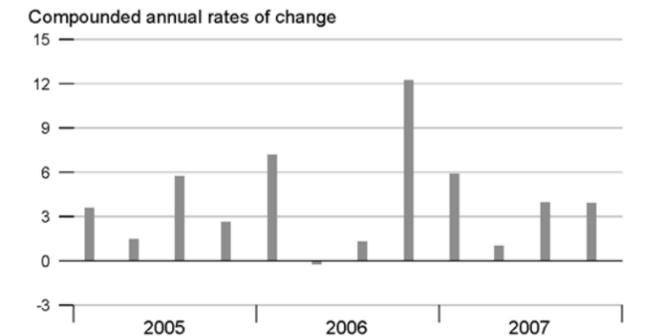
**Consumption Chain Price Index**



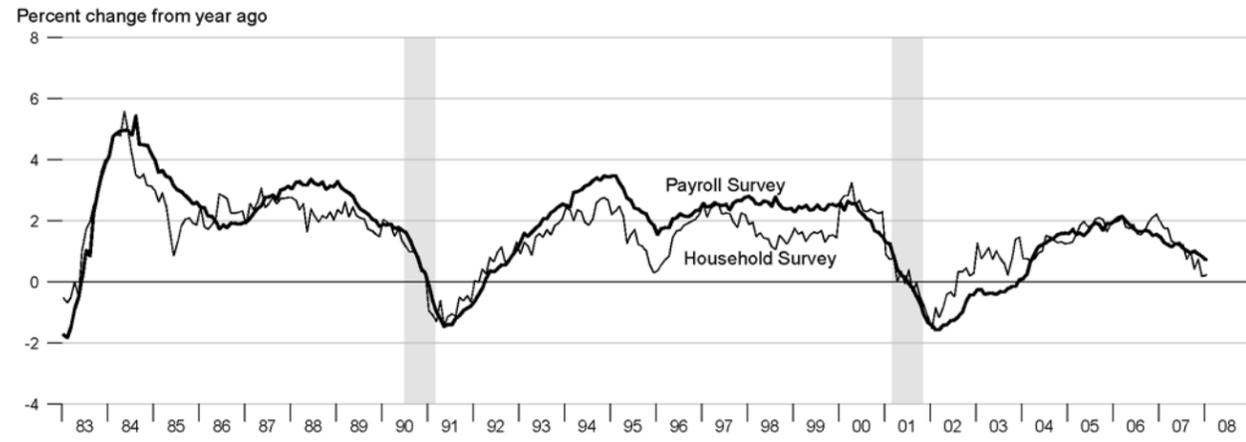
**Unit Labor Cost**



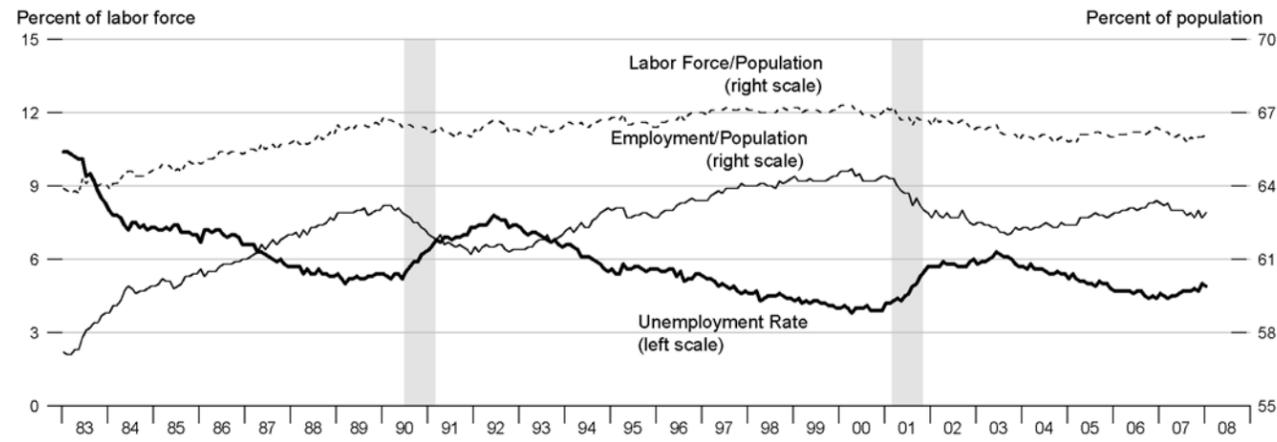
**Compensation per Hour**



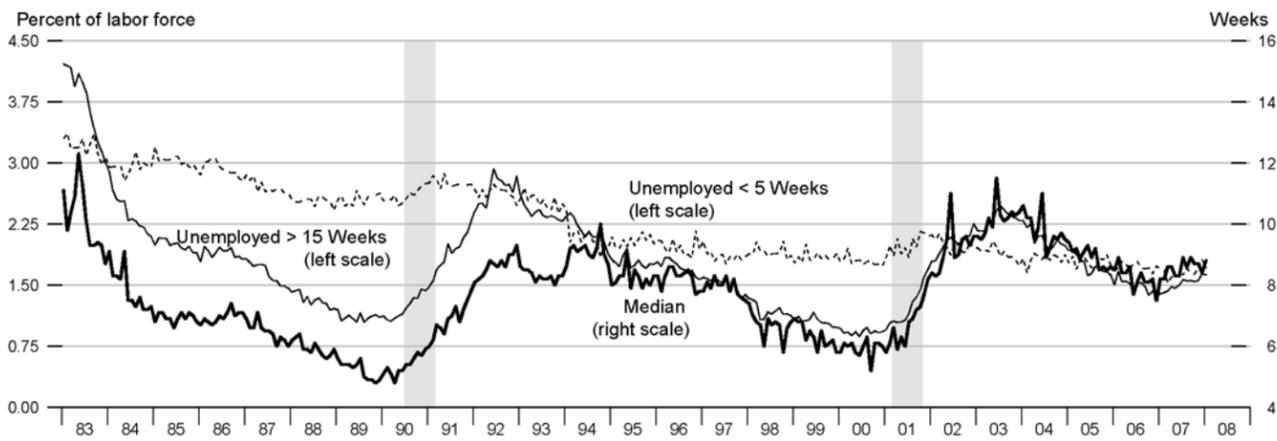
**Employment**



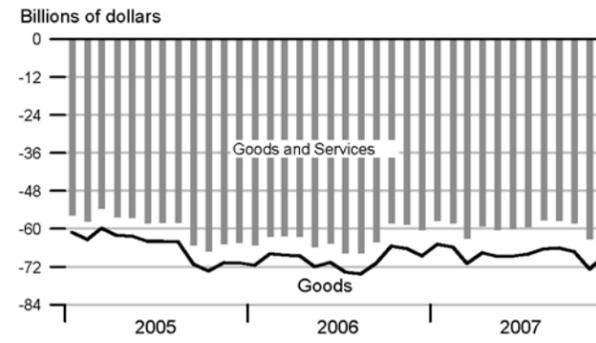
**Unemployment, Labor Force Participation, and Employment Rates**



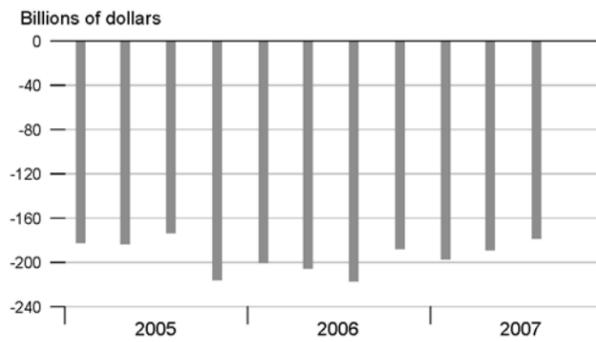
**Duration of Unemployment**



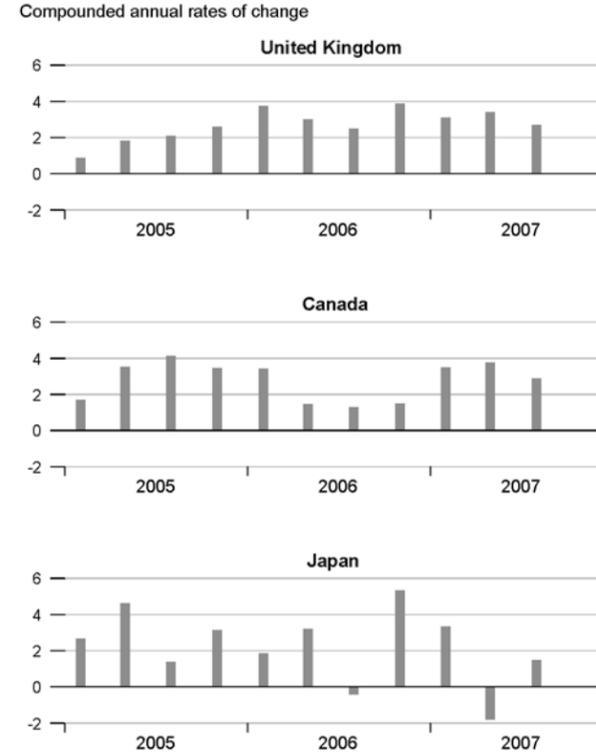
**Trade Balance**



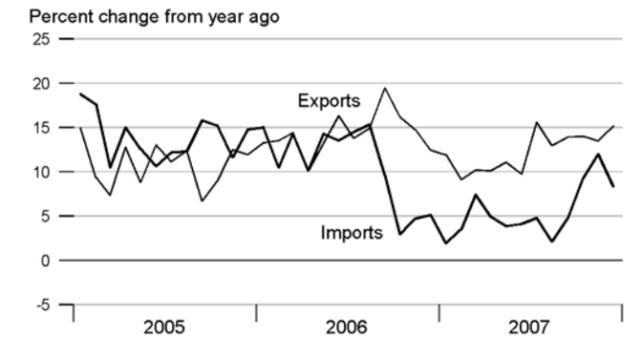
**Current Account Balance**



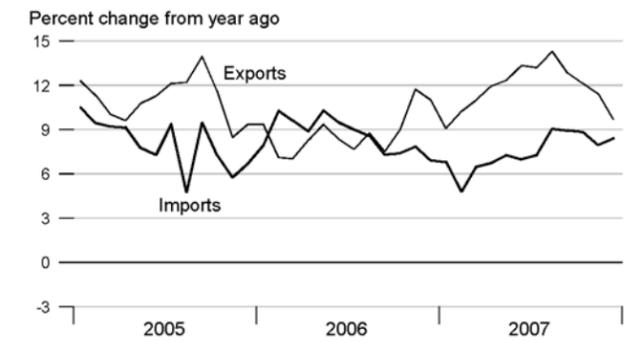
**Real GDP Growth of Major Trading Partners**



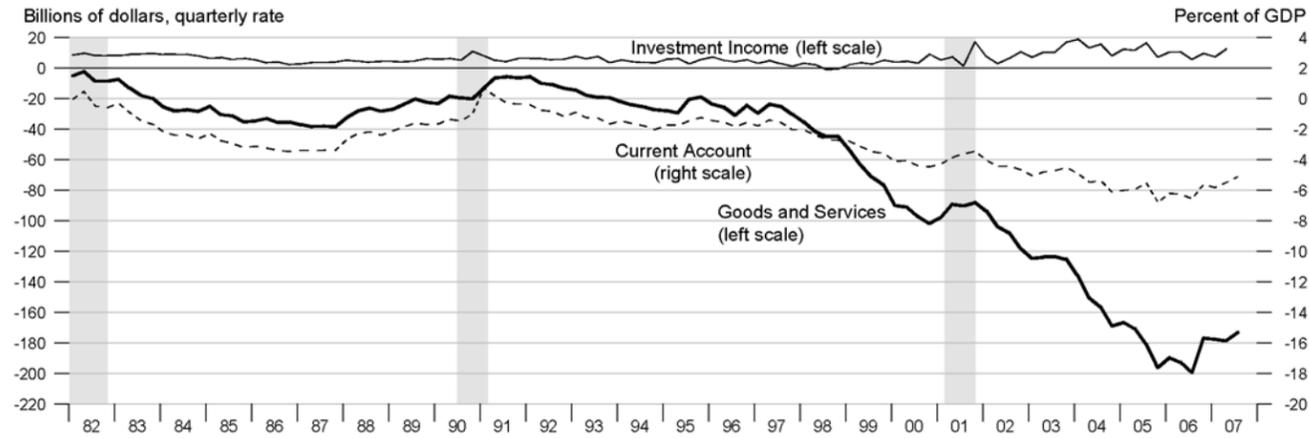
**Goods Trade**



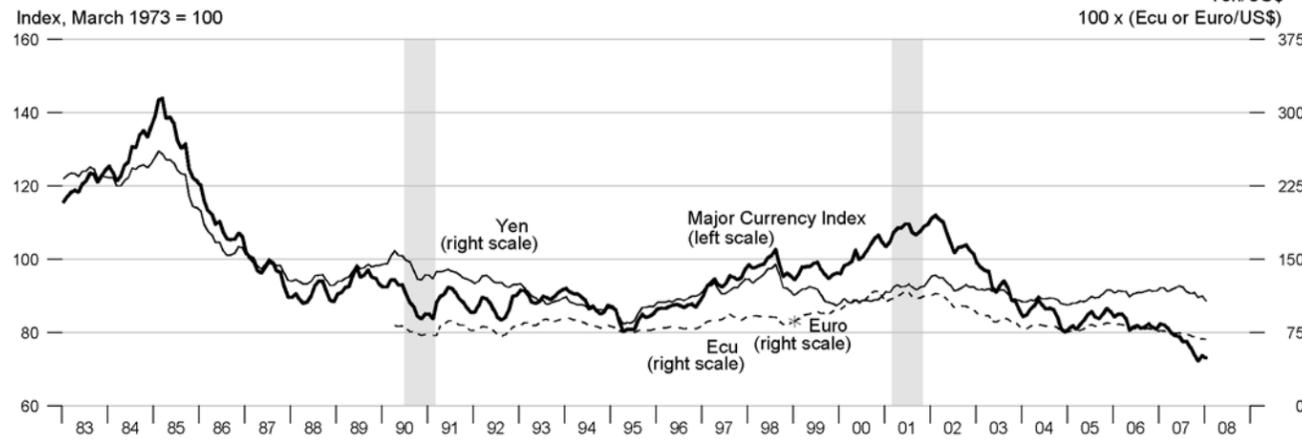
**Services Trade**



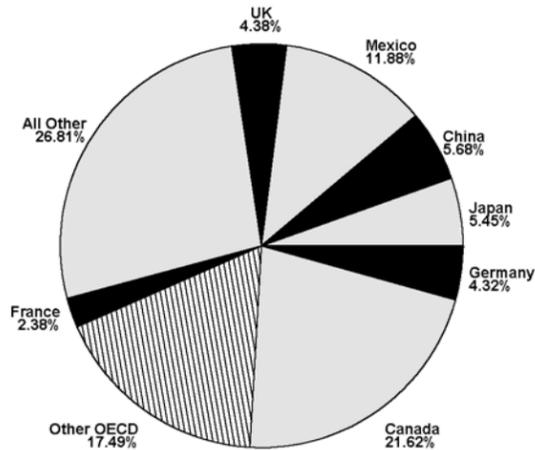
**Current Account, Trade and Investment Income Balances**



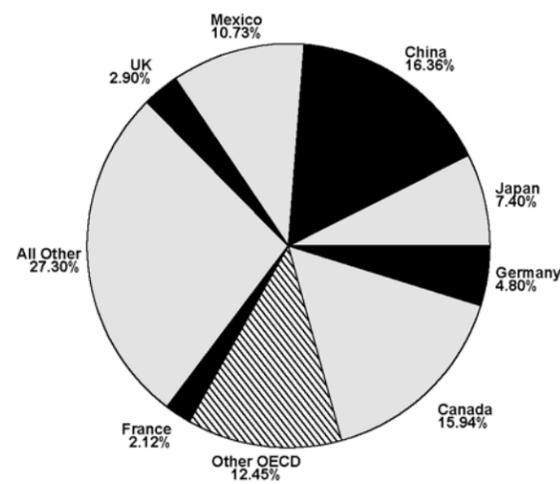
**Exchange Rates**



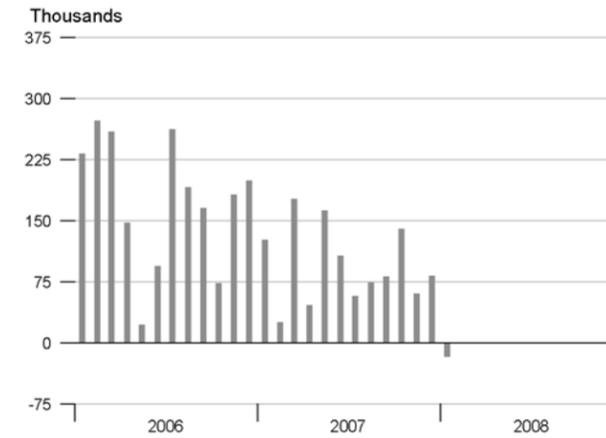
**Goods Export Shares, 2007**



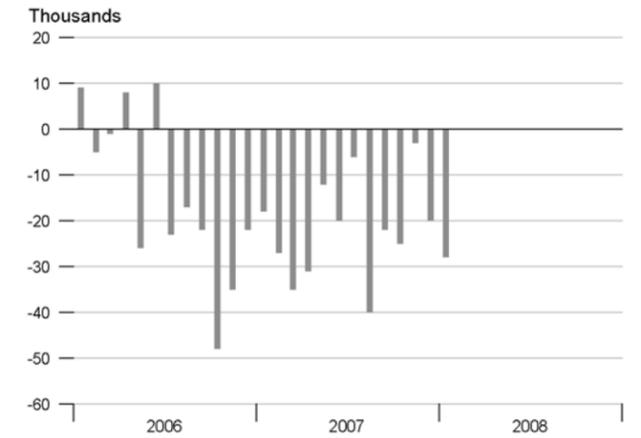
**Goods Import Shares, 2007**



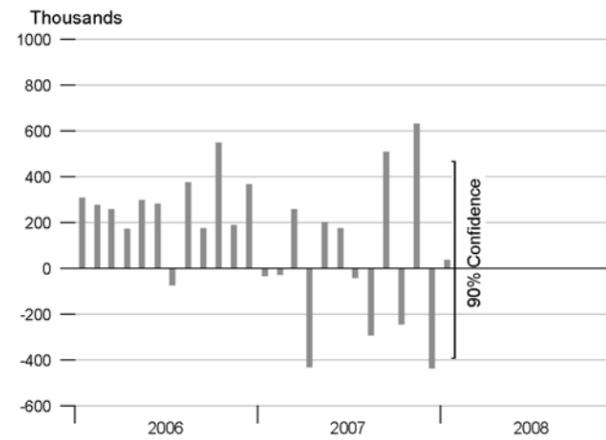
**Change in Nonfarm Payrolls**



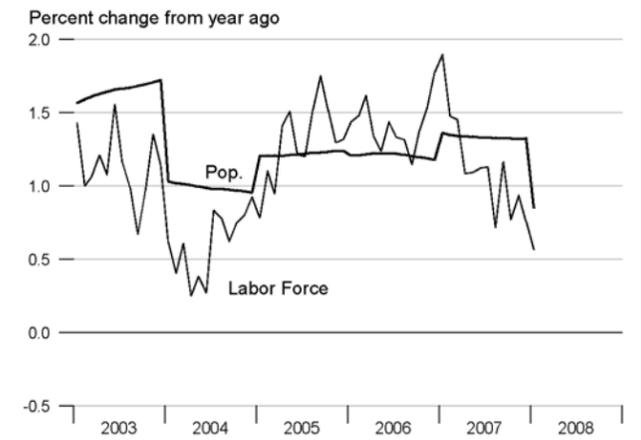
**Change in Manufacturing Payrolls**



**Change in Household Employment**



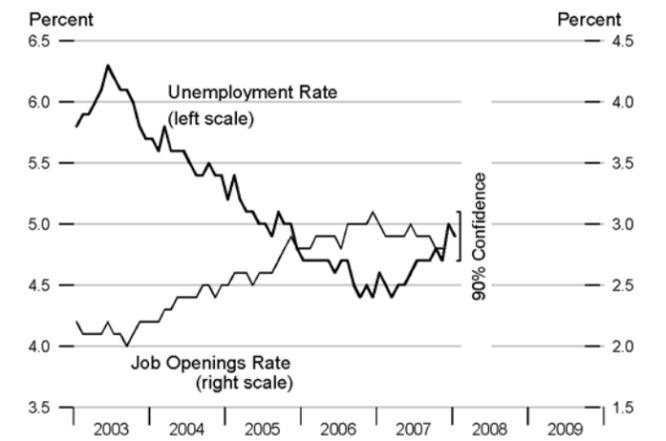
**Labor Force and Population**



**Available Labor Supply and Components**

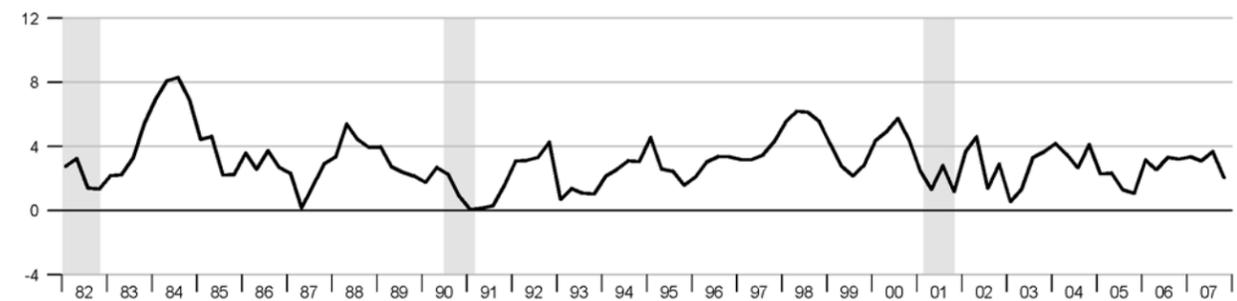


**Unemployment Rate & Job Openings Rate**



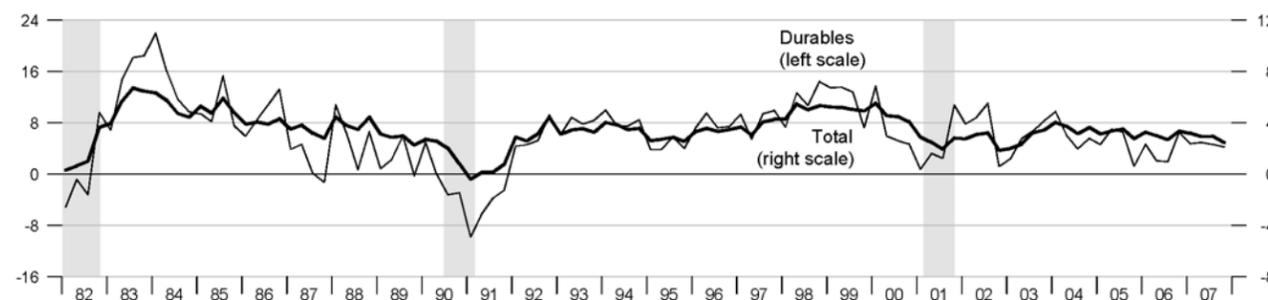
**Real Disposable Personal Income**

Percent change from year ago, quarterly data



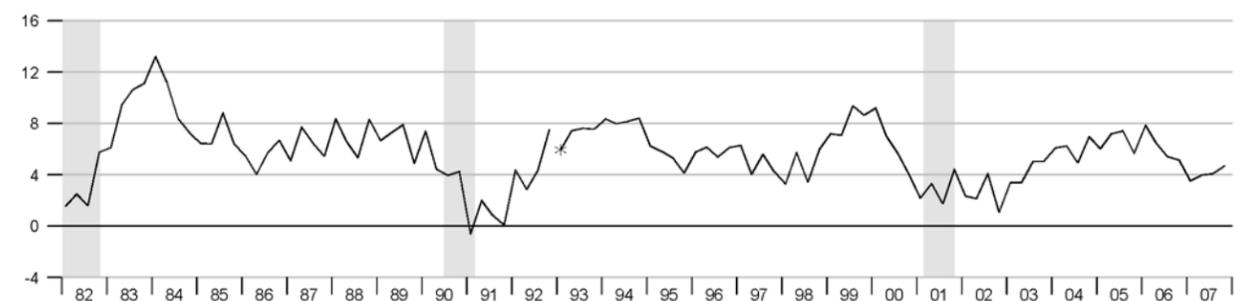
**Real Consumption**

Percent change from year ago, quarterly data



**Retail and Food Services Sales**

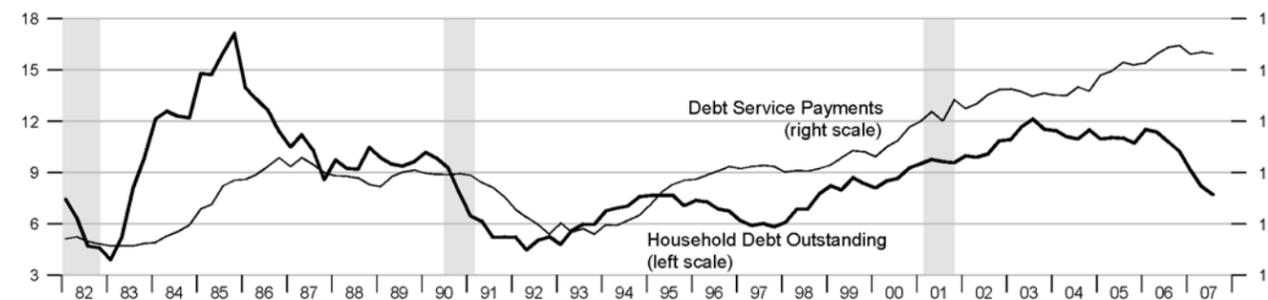
Percent change from year ago, quarterly average



\*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).

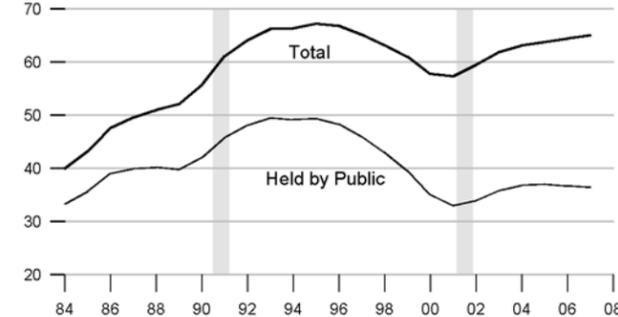
**Debt Service Payments and Household Debt Outstanding**

Percent change from year ago, quarterly data



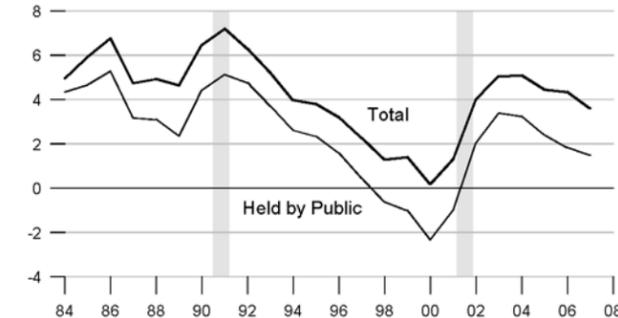
**Federal Debt**

Percent of GDP



**Change in Federal Debt**

Percent of GDP



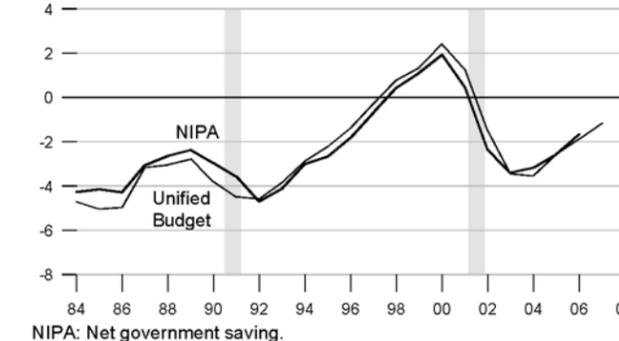
**Federal Government Debt**

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
2005		7932.7	3331.1	4601.6	736.4	3864.9	1930.6
2006		8507.0	3663.8	4843.2	768.9	4074.2	2027.3
2007		9007.7	3958.4	5049.2	779.6	4269.7	2248.9
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	1979.8
	September	8507.0	3663.8	4843.2	768.9	4074.2	2027.3
	December	8680.2	3779.0	4901.2	778.9	4122.1	2116.7
2007	March	8849.7	3795.4	5054.3	780.9	4273.1	2208.4
	June	8867.7	3924.6	4943.0	790.5	4152.6	2205.4
	September	9007.7	3958.4	5049.2	779.6	4269.7	2248.9

**Federal Surplus (+) / Deficit (-)**

Percent of GDP

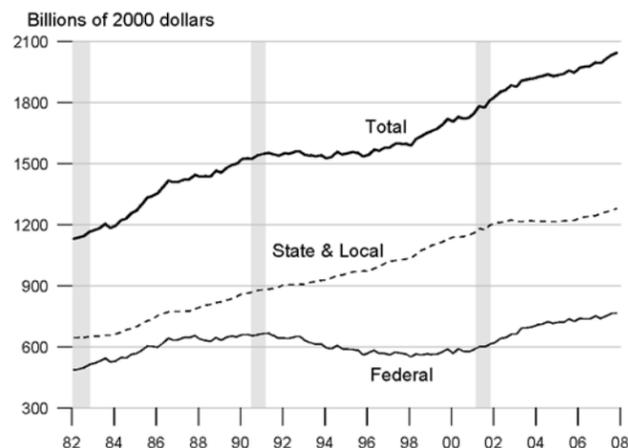


**Federal Surplus (+) / Deficit (-), Unified Basis**

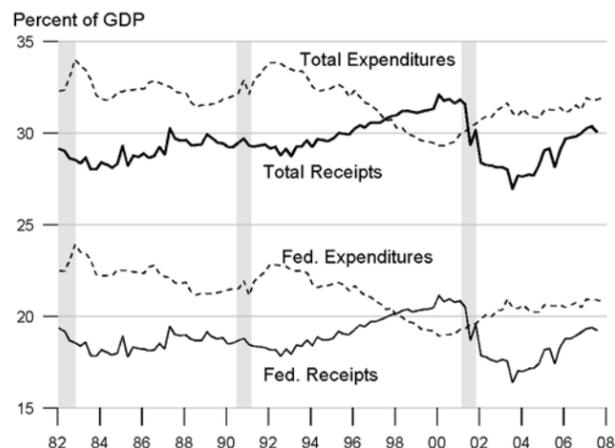
Billions of dollars, fiscal years



**Govt. Consumption and Investment**



**Govt. Current Receipts and Expenditures**

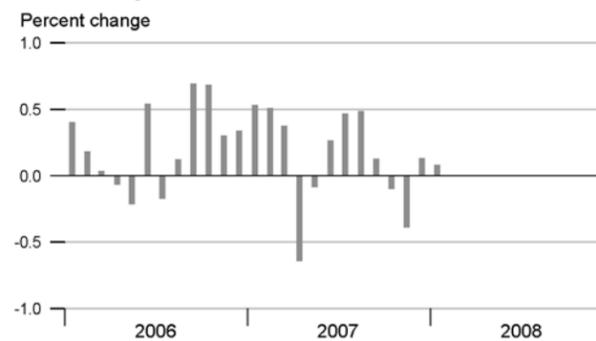


**Government Budgets**

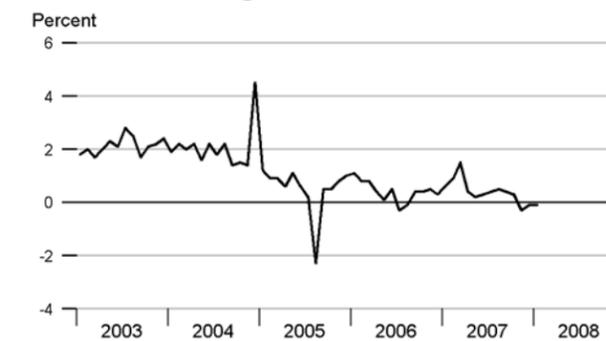
Billions of dollars

	National Income Accounts			Unified Budget					
	Calendar Years			Fiscal Years					
	State and Local		Federal	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	2655.4	-248.2
2007		1898.4			2891.5		2568.2	2730.2	-162.0
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	2670.1	2876.9	-206.8	824.4	686.9	137.5
2007Q3	1892.8	1905.8	-13.0	2689.4	2919.7	-230.3	622.3	664.2	-41.8
2007Q4		1949.1			2931.2		606.2	711.7	-105.5

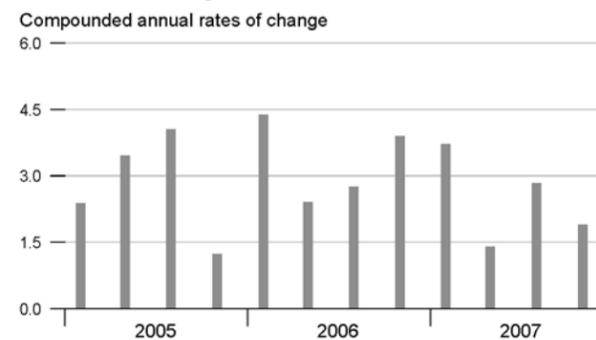
**Real Disposable Personal Income**



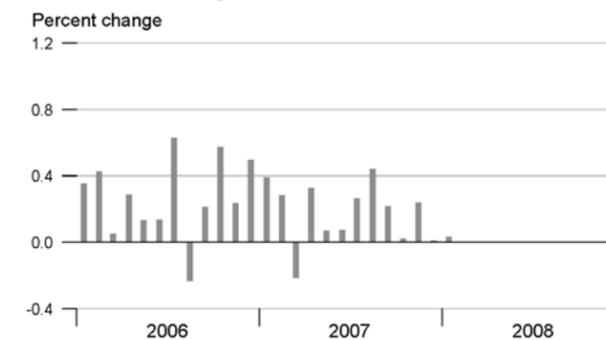
**Personal Saving Rate**



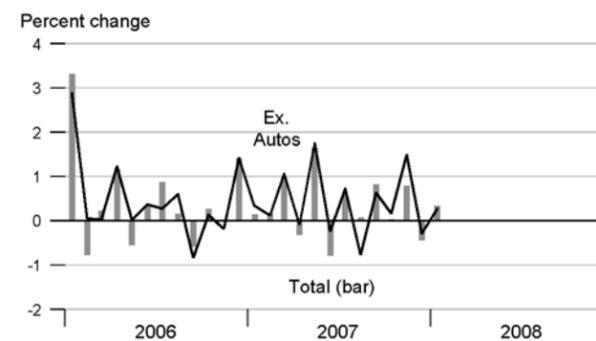
**Real Consumption**



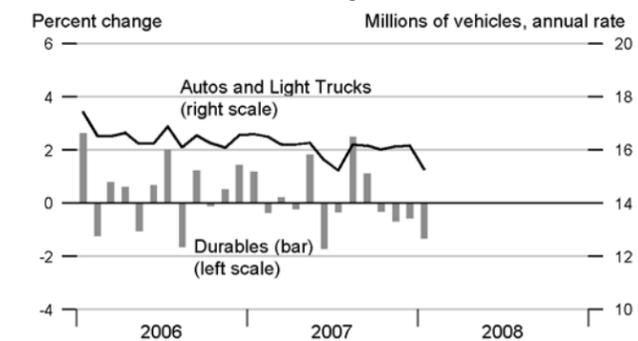
**Real Consumption**



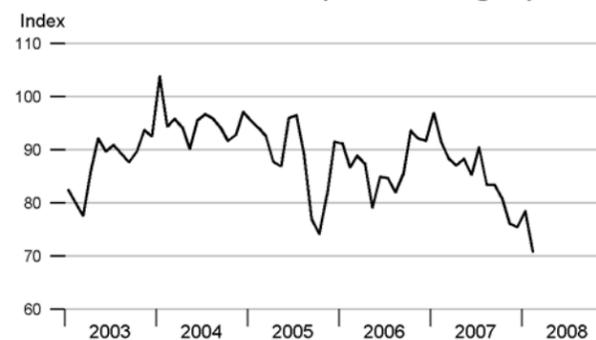
**Retail & Food Services**



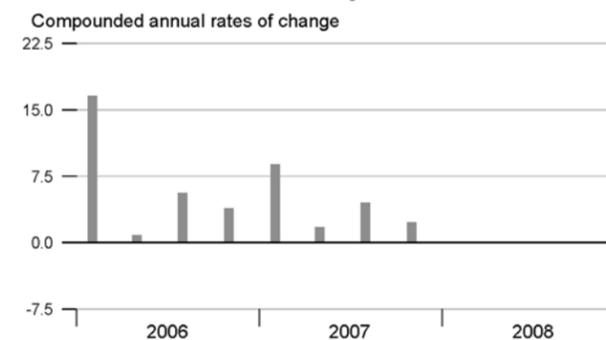
**Real Durables Consumption & Vehicle Sales**



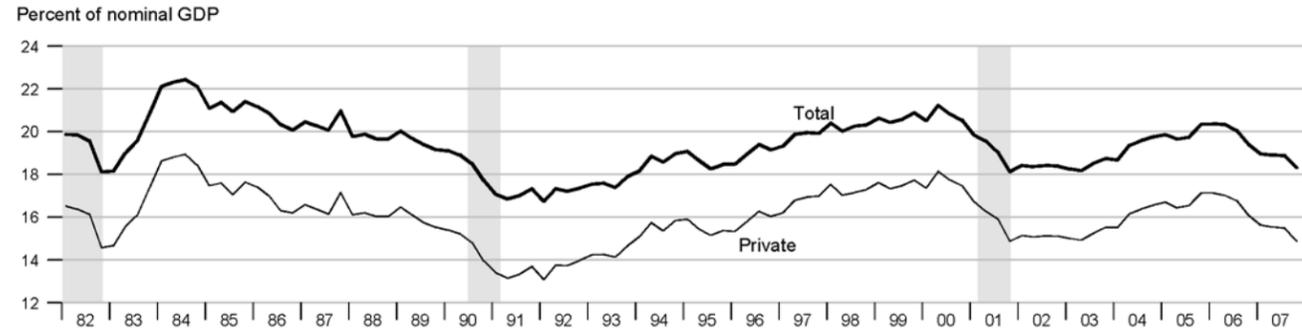
**Consumer Sentiment (U. of Michigan)**



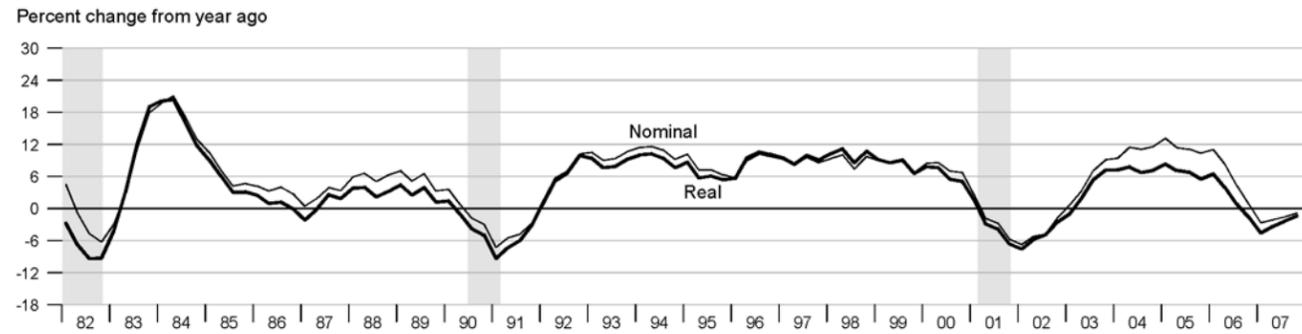
**Real Durables Consumption**



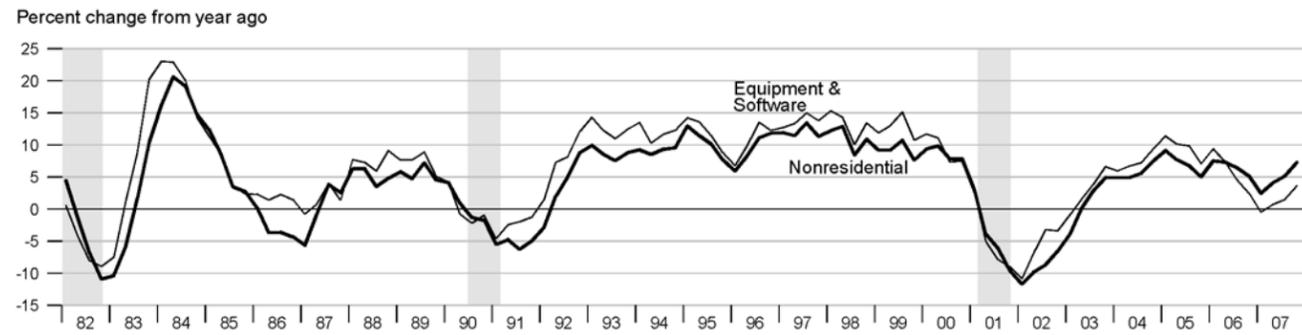
**Investment**



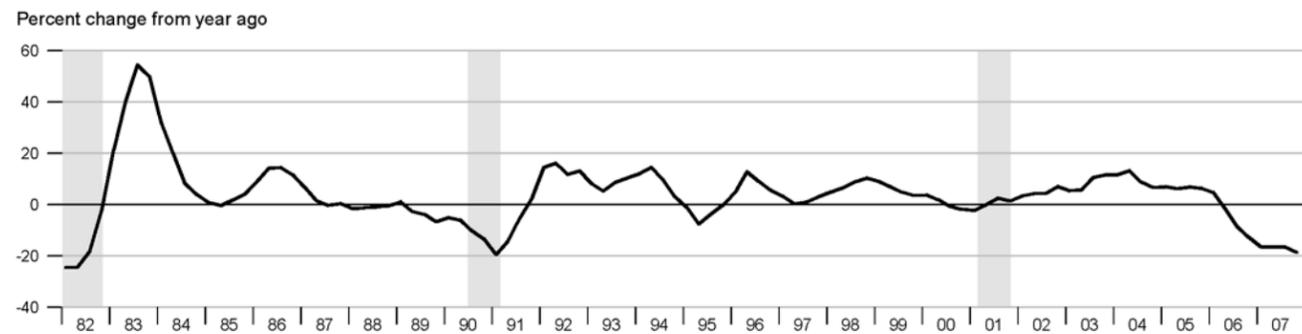
**Private Fixed Investment**



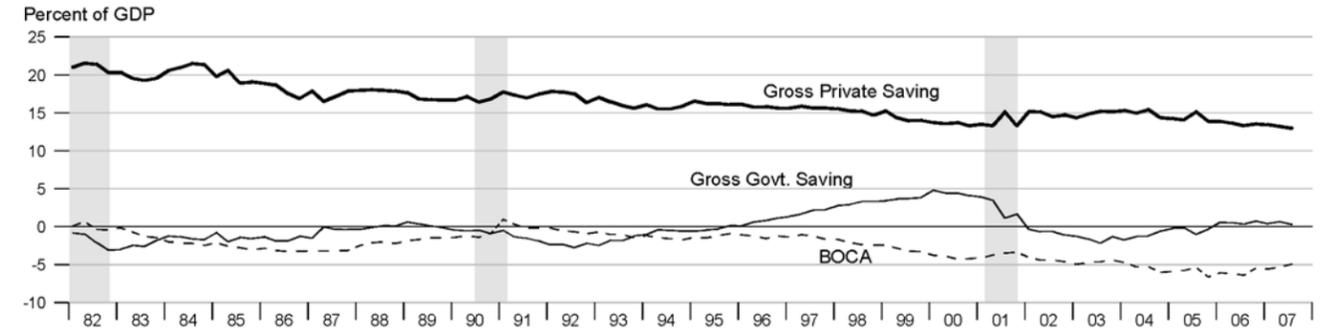
**Real Nonresidential Fixed and Equipment & Software Investment**



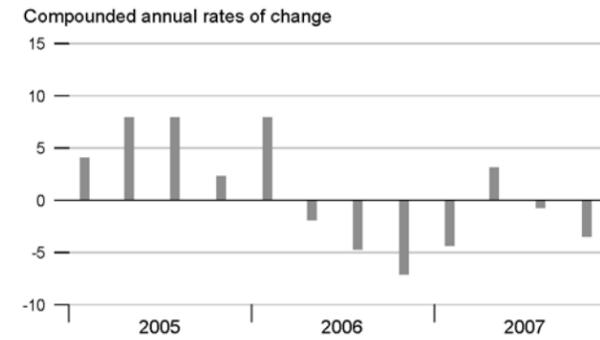
**Real Residential Fixed Investment**



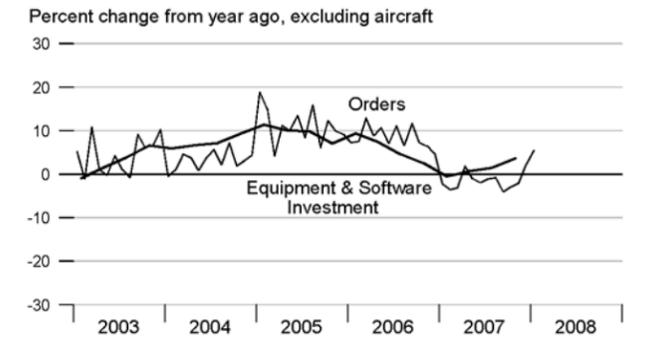
**Gross Saving Rates and Balance on Current Account (NIPA)**



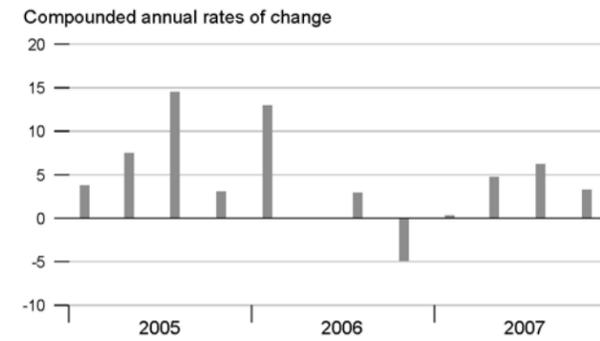
**Real Private Fixed Investment**



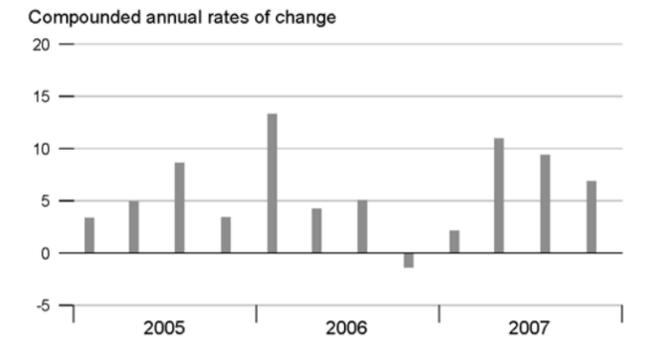
**Nondefense Capital Goods Orders**



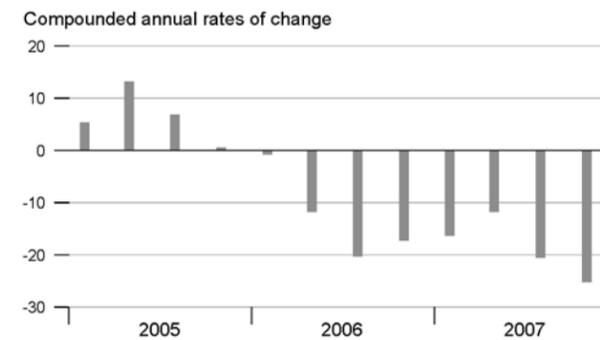
**Real Equipment & Software Investment**



**Real Nonresidential Fixed Investment**



**Real Residential Fixed Investment**



**Housing Starts and New Home Sales**

