US Economic Indicators: Leading & Coincident Indicators

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thinking outside the box
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**Coincident Indicators**

**Figure 3.**

**COINCIDENT INDICATORS**

(2016=100, sa, ratio scale)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Numbers above time line reflect number of months of expansion.

Source: Bureau of Economic Analysis.

**Figure 4.**

**COINCIDENT ECONOMIC INDICATORS: RECOVERIES & EXPANSIONS**

(2016=100, sa, ratio scale)

* Red horizontal lines span cyclical peaks through subsequent cyclical recoveries. Green horizontal lines are expansion periods following recoveries.

Source: Conference Board, Haver Analytics, and YRI calculations.
Figure 5.
LAGGING ECONOMIC INDICATORS
(2016=100), ratio scale

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
Source: Conference Board.

Figure 6.
RATIO LAGGING TO COINCIDENT ECONOMIC INDICATORS

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
Source: Conference Board.
Figure 7.

REAL GDP & COINCIDENT ECONOMIC INDICATORS (yearly percent change)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Source: Bureau of Economic Analysis and Conference Board.

Figure 8.

REAL GDP & LEADING ECONOMIC INDICATORS (yearly percent change)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Source: Conference Board.
Components of Leading Economic Indicators

Figure 9.

COMPONENTS OF LEADING ECONOMIC INDICATORS

Average Workweek (hours, sa)

Building Permits (million units, saar)

Jobless Claims (thousands, sa)

Average of Conference Board & University of Michigan Expectations Indexes (normalized index)

Consumer Goods Orders (billions of 1982 dollars, sa)

S&P 500 Composite Price Index (1941-43=10, nsa)

ISM New Orders Index (50+=increasing, sa)

Leading Credit Index (normalized index, percent)

Nondefense Capital Goods Orders Excluding Aircraft (billions of 1982 dollars, sa)

Interest Rate Spread (basis points, nsa)

Source: Conference Board.
Components of Coincident Economic Indicators

Figure 10.

COMPONENTS OF COINCIDENT ECONOMIC INDICATORS (ratio scale)

Payroll Employment (millions, sa)

Real Personal Income Less Transfer Payments (trillion 2012 dollars, saar)

Manufacturing & Trade Sales (billion 2012 dollars)

Industrial Production 2012=100, sa

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
LEI/CEI vs. RESOURCE UTILIZATION RATE

* Average of all industries’ capacity utilization rate and employment rate, i.e., percentage of labor force that is employed.

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.

CORPORATE PROFITS MARGIN IN GDP* & LEI/CEI (after-tax profits as a percent of nominal GDP)

* After-tax profits reported to IRS (excluding Inventory Valuation Adjustment and Capital Consumption Adjustment).
Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
Source: Economic Cycle Research Institute (ECRI) and The Conference Board.

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
### Leading Economic Indicators & Boom-Bust Barometer

**Figure 15.**

**BOOM-BUST BAROMETER & LEADING ECONOMIC INDICATORS**

- **Boom-Bust Barometer**
- **Conference Board LEI (2016=100)**

*CRB raw industrials spot price index divided by initial unemployment claims, four-week moving average.


**Figure 16.**

**COINCIDENT ECONOMIC INDICATORS**

(2016=100, sa, ratio scale)

- 1970 Penn Central
- 1974 Franklin National
- 1980 Silver Bubble
- 1982 Drysdale & Mexico
- 1984 Continental Illinois
- 1987 Black Monday
- 1988 Russia & LTCM
- 1990 S&L Crisis
- 1994 Mexican Peso
- 1997 Pacific Rim
- 1998 Tech Bubble
- 2001 9/11 Attacks
- 2007 Subprime Meltdown
- 2008 Lehman & AIG
- 2009 S&L Crisis
- 2010 Eurozone Debt Crisis

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.

Source: The Conference Board.
LEADING ECONOMIC INDICATORS & PAYROLL EMPLOYMENT

Payroll Employment:
Truck Transportation (millions)

Leading Economic Indicators (2016=100)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.

COINCIDENT ECONOMIC INDICATORS & PAYROLL EMPLOYMENT

Payroll Employment:
Truck Transportation (millions)

Coincident Economic Indicators (2016=100)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
LEADING ECONOMIC INDICATORS & PAYROLL EMPLOYMENT

Payroll Employment:
Temporary Help Services
(millions)

Leading Economic Indicators
(2016=100)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.

LEADING INDICATORS
(2016=100, sa ratio scale)

Note: Shaded areas denote recessions according to the National Bureau of Economic Research. Numbers above time line reflect number of months from peak of leading indicators to first month of recession.
Source: Bureau of Economic Analysis.
Leading Economic Indicators

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
Source: Conference Board.

Figure 21.

Figure 22.

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.
Source: Conference Board.
Figure 23.

ECRI, FIBER WEEKLY LEADING INDEX & BOOM-BUST BAROMTER

8/30

FIBER

9/11

Boom-Bust Barometer*

9/12

Source: Economic Cycle Research Institute (ECRI), Foundation of International Business & Economic Research (FIBER), Commodity Research Bureau, and US Department of Labor.

*CRB raw industrials spot price index divided by initial unemployment claims, four-week moving average.

Note: Shaded areas denote recessions according to the National Bureau of Economic Research.