

Table A1. Indicators used in the new big data index of U.S. economic activity

**Transformations**

LV: Level

DLV: First difference

DLN: Log first difference

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category</b> <sup>1</sup>	<b>CFNAI category</b> <sup>2</sup>
ADP Nonfarm Private Payroll Employment	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Construction	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Education and Health Services	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Financial Activities	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Goods-Producing	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Information	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Large Businesses	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Leisure and Hospitality	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Manufacturing	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Medium Businesses	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Natural Resources and Mining	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Other Services	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Professional and Business Services	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Service-Providing	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Small Businesses	DLN	Consumption	EU&H
ADP Nonfarm Private Payroll Employment: Trade, Transportation, and Utilities	DLN	Consumption	EU&H
Conference Board: Index of Help-Wanted Advertising/JOLTS: Job Openings	DLN	Consumption	EU&H
Ratio of Conference Board: Help-Wanted Advertising/JOLTS: Job Openings to Number of Unemployed	DLN	Consumption	EU&H
Conference Board: Consumer Confidence	DLV	Consumption	C&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Conference Board: Jobs Plentiful Minus Jobs Hard to Get	LV	Consumption	C&H
Conference Board: Present Situation	DLV	Consumption	C&H
Consumer Board: Consumer Expectations	DLV	Consumption	C&H
UofM Survey of Consumers: Consumer Expecations	DLV	Consumption	C&H
UofM Survey of Consumers: Consumer Sentiment	DLV	Consumption	C&H
UofM Survey of Consumers: Current Conditions	DLV	Consumption	C&H
Texas Retail Sector Outlook Survey: General Business Activity, Current	LV	Consumption	SO&I
Texas Retail Sector Outlook Survey: General Business Activity, Future	LV	Consumption	SO&I
Natural Gas Storage: US Lower 48	DLN	Consumption	P&I
Edison Electric Institute: Electric Utility Output Index	DLN	Consumption	P&I
Aggregate Weekly Hours: Prod and Nonsupervisory, Private Industries	DLN	Consumption	EU&H
Average Duration of Unemployment	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Construction	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Durable Goods Manufacturing	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Durable Goods Manufacturing Overtime	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Education and Health Services	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Financial Activities	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Goods-Producing Industries	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Information Services	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Leisure and Hospitality	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Manufacturing	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Manufacturing Overtime	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Mining and Logging	DLV	Consumption	EU&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Average Weekly Hours: Prod and Nonsupervisory, Nondurable Goods Manufacturing	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Nondurable Goods Manufacturing Overtime	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Other Services	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Private Industries	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Professional and Business Services	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Retail Trade	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Service-Providing Industries	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Trade, Transportation and Utilities	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Transportation and Warehousing	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Utilities	DLV	Consumption	EU&H
Average Weekly Hours: Prod and Nonsupervisory, Wholesale Trade	DLV	Consumption	EU&H
Average Weekly Insured Unemployment Rate	DLV	Consumption	EU&H
Civilian Employment	DLN	Consumption	EU&H
Civilian Employment 25-54/Noninstitutional Population 25-54	DLV	Consumption	EU&H
Civilian Employment Men 25-54/Noninstitutional Population Men 25-54	DLV	Consumption	EU&H
Civilian Employment Women 25-54/Noninstitutional Population Women 25-54	DLV	Consumption	EU&H
Civilian Employment/Noninstitutional Population	DLV	Consumption	EU&H
Civilian Employment: Nonagricultural	DLN	Consumption	EU&H
Civilian Labor Force	DLN	Consumption	EU&H
Civilians Unemployed for 15-26 Weeks	DLN	Consumption	EU&H
Civilians Unemployed for 5-14 Weeks	DLN	Consumption	EU&H
Civilians Unemployed for Less than 5 Weeks	DLN	Consumption	EU&H
Civilians Unemployed for More than 15 Weeks	DLN	Consumption	EU&H
Civilians Unemployed for More than 27 Weeks	DLN	Consumption	EU&H
Employment: Construction	DLN	Consumption	EU&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Employment: Durable Goods Manufacturing	DLN	Consumption	EU&H
Employment: Education and Health Services	DLN	Consumption	EU&H
Employment: Financial Activities	DLN	Consumption	EU&H
Employment: Goods-Producing	DLN	Consumption	EU&H
Employment: Government	DLN	Consumption	EU&H
Employment: Information Services	DLN	Consumption	EU&H
Employment: Leisure and Hospitality	DLN	Consumption	EU&H
Employment: Logging	DLN	Consumption	EU&H
Employment: Manufacturing	DLN	Consumption	EU&H
Employment: Mining	DLN	Consumption	EU&H
Employment: Mining and Logging	DLN	Consumption	EU&H
Employment: Nondurable Goods Manufacturing	DLN	Consumption	EU&H
Employment: Other Services	DLN	Consumption	EU&H
Employment: Private Service-Providing	DLN	Consumption	EU&H
Employment: Professional and Business Services	DLN	Consumption	EU&H
Employment: Retail Trade	DLN	Consumption	EU&H
Employment: Total Nonfarm	DLN	Consumption	EU&H
Employment: Total Private	DLN	Consumption	EU&H
Employment: Trade, Transportation and Utilities	DLN	Consumption	EU&H
Employment: Transportation and Warehousing	DLN	Consumption	EU&H
Employment: Utilities	DLN	Consumption	EU&H
Employment: Wholesale Trade	DLN	Consumption	EU&H
Job Losers on Permanent Layoff/Civilian Labor Force	DLV	Consumption	EU&H
Job Losers on Temporary Layoff/Civilian Labor Force	DLV	Consumption	EU&H
Job Losers/Civilian Labor Force	DLV	Consumption	EU&H
Labor Cost Per Unit of Output: Manufacturing	DLN	Consumption	EU&H
Median Duration of Unemployment	DLV	Consumption	EU&H
Participation Rate: 25-54	DLV	Consumption	EU&H
Participation Rate: Men, 25-54	DLV	Consumption	EU&H
Participation Rate: Total	DLV	Consumption	EU&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Participation Rate: Women, 25-54	DLV	Consumption	EU&H
Persons Employed Part-Time for Economic Reasons/Civilian Labor Force	DLV	Consumption	EU&H
Persons Employed Part-Time for Economic Reasons: Could Only Find Part-time Work/Civilian Labor Force	DLV	Consumption	EU&H
Persons Employed Part-Time for Economic Reasons: Slack Business Conditions/Civilian Labor Force	DLV	Consumption	EU&H
Persons Unemployed	DLN	Consumption	EU&H
Population and Payroll-Concept Adjusted CPS Employment	DLN	Consumption	EU&H
Real Average Hourly Earnings: All Employees, Private Industries	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Construction	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Durable Goods Manufacturing	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Education and Health Services	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Financial Activities	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Goods-Producing Industries	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Information Services	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Leisure and Hospitality	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Manufacturing	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Mining and Logging	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Nondurable Goods Manufacturing	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Other Services	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Private Industries	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Professional and Business Services	DLN	Consumption	P&I

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Real Average Hourly Earnings: Prod and Nonsupervisory, Retail Trade	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Service-Providing Industries	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Trade, Transportation and Utilities	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Transportation and Warehousing	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Utilities	DLN	Consumption	P&I
Real Average Hourly Earnings: Prod and Nonsupervisory, Wholesale Trade	DLN	Consumption	P&I
Real Wages and Salaries in Mining, Manufacturing, and Construction	DLN	Consumption	EU&H
U1 Unemployment Rate	DLV	Consumption	EU&H
U2 Unemployment Rate	DLV	Consumption	EU&H
U4 Unemployment Rate	DLV	Consumption	EU&H
U5 Unemployment Rate	DLV	Consumption	EU&H
U6 Unemployment Rate	DLV	Consumption	EU&H
Unemployment Rate: 15 Weeks and Over	DLV	Consumption	EU&H
Unemployment Rate: 25-54	DLV	Consumption	EU&H
Unemployment Rate: Men, 25-54	DLV	Consumption	EU&H
Unemployment Rate: Total	DLV	Consumption	EU&H
Unemployment Rate: Women, 25-54	DLV	Consumption	EU&H
IP: Consumer Energy Products	DLN	Consumption	C&H
IP: Fuels	DLN	Consumption	C&H
IP: Residential Utilities	DLN	Consumption	C&H
JOLTS: Hires Rate	DLV	Consumption	EU&H
JOLTS: Job Openings Rate	DLV	Consumption	EU&H
JOLTS: Layoffs and Discharges Rate	DLV	Consumption	EU&H
JOLTS: Other Separations Rate	DLV	Consumption	EU&H
JOLTS: Quits Rate	DLV	Consumption	EU&H
JOLTS: Total Separations Rate	DLV	Consumption	EU&H
Johnson Redbook Retail Sales Index: Same-Store Sales	DLN	Consumption	C&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Personal Savings Rate	DLV	Consumption	P&I
Real Consumer Discretionary Spending	DLN	Consumption	P&I
Real Consumer Nondiscretionary Spending	DLN	Consumption	P&I
Real Disposable Personal Income	DLN	Consumption	P&I
Real PCE Control Group	DLN	Consumption	C&H
Real PCE: Clothing and Footwear	DLN	Consumption	C&H
Real PCE: Durable Goods	DLN	Consumption	C&H
Real PCE: Final Consumption Expenditures of Nonprofit Institutions Serving Households	DLN	Consumption	C&H
Real PCE: Financial Services and Insurance	DLN	Consumption	C&H
Real PCE: Food Services	DLN	Consumption	C&H
Real PCE: Food and Beverages	DLN	Consumption	C&H
Real PCE: Furnishings and Durable Household Equipment	DLN	Consumption	C&H
Real PCE: Gasoline and Other Energy Goods	DLN	Consumption	C&H
Real PCE: Healthcare Services	DLN	Consumption	C&H
Real PCE: Household Consumption of Services	DLN	Consumption	C&H
Real PCE: Housing and Utilities	DLN	Consumption	C&H
Real PCE: Motor Vehicles and Parts	DLN	Consumption	C&H
Real PCE: Nondurable Goods	DLN	Consumption	C&H
Real PCE: Other Durable Goods	DLN	Consumption	C&H
Real PCE: Other Nondurable Goods	DLN	Consumption	C&H
Real PCE: Other Services	DLN	Consumption	C&H
Real PCE: Recreational Goods and Vehicles	DLN	Consumption	C&H
Real PCE: Recreational Services	DLN	Consumption	C&H
Real PCE: Services	DLN	Consumption	C&H
Real PCE: Total	DLN	Consumption	C&H
Real PCE: Transportation Services	DLN	Consumption	C&H
Real Personal Income	DLN	Consumption	P&I
Real Personal Income Less Transfer Payments	DLN	Consumption	P&I
Real Retail Sales: Retail Trade	DLN	Consumption	C&H
Bank of Tokyo-Mitsubishi UFJ: Real Retail Sales: Midwest	DLN	Consumption	C&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Bank of Tokyo-Mitsubishi UFJ: Real Retail Sales: Northeast	DLN	Consumption	C&H
Bank of Tokyo-Mitsubishi UFJ: Real Retail Sales: South	DLN	Consumption	C&H
Bank of Tokyo-Mitsubishi UFJ: Real Retail Sales: West	DLN	Consumption	C&H
Real Retail Food Services Sales	DLN	Consumption	SO&I
Real Retail Motor Vehicle Sales	DLN	Consumption	SO&I
Real Retail Sales ex. Auto, Gas Stations and Building Materials	DLN	Consumption	C&H
Real Retail Sales: Building Materials, Garden Equipment and Supply Dealers	DLN	Consumption	C&H
Real Retail Sales: Durable Goods	DLN	Consumption	C&H
Real Retail Sales: Nondurable Goods	DLN	Consumption	C&H
Real Retail Sales: Residential Equipment	DLN	Consumption	C&H
Real Retail and Food Service Sales ex. Auto and Building Materials	DLN	Consumption	C&H
Real Retail and Food Service Sales ex. Auto and Gas Stations	DLN	Consumption	C&H
Real Retail and Food Service Sales ex. Auto, Gas Stations and Building Materials	DLN	Consumption	C&H
Real Retail and Food Service Sales ex. Motor Vehicle and Parts Dealers	DLN	Consumption	C&H
Real Retail and Food Service Sales ex. Motor Vehicle and Parts Dealers and Gas Stations	DLN	Consumption	C&H
Real Retail and Food Services Sales	DLN	Consumption	C&H
Continuing Unemployment Insurance Claims	DLN	Consumption	EU&H
Initial Unemployment Insurance Claims	DLN	Consumption	EU&H
Autos: Consumer Dollars as a Percent of Final Sales	DLV	Consumption	C&H
Autos: Real Average Consumer Expenditure per Car	DLN	Consumption	C&H
Autos: Real Average Expenditure per Car	DLN	Consumption	C&H
Autos: Real Average Expenditure per Domestic Car	DLN	Consumption	C&H
Autos: Real Average Expenditure per Foreign Car	DLN	Consumption	C&H
Domestic Lightweight Auto Sales	DLN	Consumption	C&H
Domestic Lightweight Truck Sales	DLN	Consumption	C&H
Imported Lightweight Auto Sales	DLN	Consumption	C&H
Imported Lightweight Truck Sales	DLN	Consumption	C&H
Lightweight Retail Auto Sales	DLN	Consumption	C&H

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Lightweight Truck Sales	DLN	Consumption	C&H
Lightweight Vehicle Sales	DLN	Consumption	C&H
AIA: Architecture Billings Index: Commercial/Industrial sector	LV	Investment	P&I
AIA: Architecture Billings Index: Inquiries for New Work	LV	Investment	P&I
AIA: Architecture Billings Index: Institutional sector	LV	Investment	P&I
AIA: Architecture Billings Index: Midwest	LV	Investment	P&I
AIA: Architecture Billings Index: Mixed sectors	LV	Investment	P&I
AIA: Architecture Billings Index: Northeast	LV	Investment	P&I
AIA: Architecture Billings Index: Overall	LV	Investment	P&I
AIA: Architecture Billings Index: Residential sector	LV	Investment	C&H
AIA: Architecture Billings Index: South	LV	Investment	P&I
AIA: Architecture Billings Index: West	LV	Investment	P&I
Domestic Auto Inventories	DLV	Investment	SO&I
Auto Production Estimate (BEA)	DLN	Investment	P&I
Baker Hughes U.S. Active Rig Count	DLN	Investment	P&I
F.W. Dodge Construction Contracts	DLV	Investment	P&I
Real Construction Put in Place: New Residential	DLN	Investment	C&H
Real Construction Put in Place: New Residential Multi-Family	DLN	Investment	C&H
Real Construction Put in Place: New Residential Single-Family	DLN	Investment	C&H
Real Construction Put in Place: Private	DLN	Investment	P&I
Real Construction Put in Place: Private Nonresidential	DLN	Investment	P&I
Real Construction Put in Place: Private Residential	DLN	Investment	C&H
Real Construction Put in Place: Residential Improvements	DLN	Investment	C&H
Real Construction Put in Place: Total	DLN	Investment	P&I
Mid-America Business Conditions Index	LV	Investment	P&I
Texas Mfg Outlook Survey: General Business Activity, Current	LV	Investment	P&I
Texas Mfg Outlook Survey: General Business Activity, Future	LV	Investment	P&I
Texas Service Sector Outlook Survey: General Business Activity, Current	LV	Investment	SO&I
Texas Service Sector Outlook Survey: General Business Activity, Future	LV	Investment	SO&I

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Real Net Shipments Nondefense Aircraft	DLV	Investment	SO&I
Real New Orders: All Manufacturing Industries	DLN	Investment	SO&I
Real New Orders: Construction Materials and Supplies	DLN	Investment	SO&I
Real New Orders: Consumer Goods	DLN	Investment	SO&I
Real New Orders: Consumer Goods and Materials	DLN	Investment	SO&I
Real New Orders: Durable Goods	DLN	Investment	SO&I
Real New Orders: Information Technology	DLN	Investment	SO&I
Real New Orders: Nondefense Capital Goods	DLN	Investment	SO&I
Real New Orders: Nondefense Capital Goods ex. Aircraft	DLN	Investment	SO&I
Real Shipments: All Manufacturing Industries	DLN	Investment	SO&I
Real Shipments: Computers and Related Goods	DLN	Investment	SO&I
Real Shipments: Construction Materials and Supplies	DLN	Investment	SO&I
Real Shipments: Consumer Goods	DLN	Investment	SO&I
Real Shipments: Durable Goods	DLN	Investment	SO&I
Real Shipments: Information Technology	DLN	Investment	SO&I
Real Shipments: Nondefense Capital Goods	DLN	Investment	SO&I
Real Shipments: Nondefense Capital Goods ex. Aircraft	DLN	Investment	SO&I
Real Unfilled Orders: Construction Materials and Supplies	DLN	Investment	SO&I
Real Unfilled Orders: Consumer Goods	DLN	Investment	SO&I
Real Unfilled Orders: Durable Goods	DLN	Investment	SO&I
Real Unfilled Orders: Information Technology	DLN	Investment	SO&I
Real Unfilled Orders: Nondefense Capital Goods	DLN	Investment	SO&I
Real Unfilled Orders: Nondefense Capital Goods ex. Aircraft	DLN	Investment	SO&I
Employment: Computer Systems Design and Related Services	DLN	Investment	EU&H
Employment: Construction of Residential Buildings	DLN	Investment	EU&H
Employment: Professional and Technical Services	DLN	Investment	EU&H
Real Aggregate Payrolls of Residential Remodelers	DLN	Investment	EU&H
NAR: Existing Condos and Co-ops Sales	DLN	Investment	C&H
NAR: Existing Condos and Co-ops for Sale	DLV	Investment	C&H
NAR: Existing Houses for Sale	DLV	Investment	C&H

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
NAR: Existing Single-Family Home Sales	DLN	Investment	C&H
NAR: Existing Single-Family Home Sales: Midwest	DLN	Investment	C&H
NAR: Existing Single-Family Home Sales: Northeast	DLN	Investment	C&H
NAR: Existing Single-Family Home Sales: South	DLN	Investment	C&H
NAR: Existing Single-Family Home Sales: West	DLN	Investment	C&H
NAR: Existing Single-Family Houses for Sale	DLV	Investment	C&H
Real Existing Single-Family Home Sales Value	DLN	Investment	C&H
Number of Households (Census)	DLN	Investment	C&H
Housing Permits	DLV	Investment	C&H
Housing Permits: Midwest	DLV	Investment	C&H
Housing Permits: Multi-Family	DLV	Investment	C&H
Housing Permits: Northeast	DLV	Investment	C&H
Housing Permits: Single-Family	DLV	Investment	C&H
Housing Permits: South	DLV	Investment	C&H
Housing Permits: West	DLV	Investment	C&H
Housing Starts	DLV	Investment	C&H
Housing Starts: Midwest	DLV	Investment	C&H
Housing Starts: Multi-Family	DLV	Investment	C&H
Housing Starts: Northeast	DLV	Investment	C&H
Housing Starts: Single-Family	DLV	Investment	C&H
Housing Starts: South	DLV	Investment	C&H
Housing Starts: West	DLV	Investment	C&H
Real New Single-Family Construction Home Values	DLN	Investment	C&H
ISM Composite Index	LV	Investment	P&I
ISM Chicago: Composite	LV	Investment	P&I
ISM Manufacturing: Composite	LV	Investment	P&I
ISM Manufacturing: Employment	LV	Investment	EU&H
ISM Manufacturing: Inventories	LV	Investment	SO&I
ISM Manufacturing: New Orders	LV	Investment	SO&I
ISM Manufacturing: Production	LV	Investment	P&I

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<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
ISM Manufacturing: Supplier Deliveries	LV	Investment	SO&I
ISM Milwaukee: Composite	LV	Investment	P&I
ISM Nonmanufacturing: Business Activity	LV	Investment	P&I
ISM Nonmanufacturing: Composite	LV	Investment	P&I
ISM Nonmanufacturing: Employment	LV	Investment	EU&H
ISM Nonmanufacturing: Export Orders	LV	Investment	P&I
ISM Nonmanufacturing: Imports	LV	Investment	P&I
ISM Nonmanufacturing: Inventories	LV	Investment	SO&I
ISM Nonmanufacturing: New Orders	LV	Investment	SO&I
ISM Nonmanufacturing: Supplier Deliveries	LV	Investment	SO&I
ISM: Nonmanufacturing: Order Backlogs	LV	Investment	SO&I
Capacity Utilization: Durable Goods Manufacturing	DLN	Investment	P&I
Capacity Utilization: Manufacturing	DLN	Investment	P&I
Capacity Utilization: Mining	DLN	Investment	P&I
Capacity Utilization: Nondurable Goods Manufacturing	DLN	Investment	P&I
Capacity Utilization: Total	DLN	Investment	P&I
Capacity Utilization: Utilities	DLN	Investment	P&I
Capacity Utilization: Computers/Communication Equipment/Semiconductors	DLN	Investment	P&I
IP: Business Equipment	DLN	Investment	P&I
IP: Business Supplies	DLN	Investment	P&I
IP: Capacity Utilization Crude Processing	DLN	Investment	P&I
IP: Capacity Utilization Primary and Semifinished Processing	DLN	Investment	P&I
IP: Commercial Energy Products	DLN	Investment	P&I
IP: Computers, Communications Equipment, and Semiconductors	DLN	Investment	P&I
IP: Construction Supplies	DLN	Investment	P&I
IP: Consumer Goods	DLN	Investment	P&I
IP: Crude Processing	DLN	Investment	P&I
IP: Defense and Space Equipment	DLN	Investment	P&I
IP: Durable Consumer Goods	DLN	Investment	P&I
IP: Durable Goods Manufacturing	DLN	Investment	P&I

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IP: Durable Goods Materials	DLN	Investment	P&I
IP: Electric and Gas Utilities	DLN	Investment	P&I
IP: Energy	DLN	Investment	P&I
IP: Energy Materials	DLN	Investment	P&I
IP: Final Products	DLN	Investment	P&I
IP: Final Products and Nonindustrial Supplies	DLN	Investment	P&I
IP: Finished Processing	DLN	Investment	P&I
IP: Finished Processing	DLN	Investment	P&I
IP: Manufacturing	DLN	Investment	P&I
IP: Materials	DLN	Investment	P&I
IP: Mining	DLN	Investment	P&I
IP: Motor Vehicle Assemblies	DLN	Investment	P&I
IP: Nondurable Consumer Goods	DLN	Investment	P&I
IP: Nondurable Goods Manufacturing	DLN	Investment	P&I
IP: Nondurable Goods Materials	DLN	Investment	P&I
IP: Nonenergy	DLN	Investment	P&I
IP: Nonenergy Materials	DLN	Investment	P&I
IP: Nonindustrial Supplies	DLN	Investment	P&I
IP: Oil and Gas Well Drilling	DLN	Investment	P&I
IP: Primary and Semifinished Processing	DLN	Investment	P&I
IP: Real Gross Value of Automotive Products	DLN	Investment	P&I
IP: Real Gross Value of Business Equipment	DLN	Investment	P&I
IP: Real Gross Value of Business Supplies	DLN	Investment	P&I
IP: Real Gross Value of Business and Defense Equipment	DLN	Investment	P&I
IP: Real Gross Value of Commercial Energy Products	DLN	Investment	P&I
IP: Real Gross Value of Construction Supplies	DLN	Investment	P&I
IP: Real Gross Value of Consumer Durable Products	DLN	Investment	P&I
IP: Real Gross Value of Consumer Nondurable Products	DLN	Investment	P&I
IP: Real Gross Value of Consumer Products	DLN	Investment	P&I
IP: Real Gross Value of Defense and Space Equipment	DLN	Investment	P&I

Table A1. Indicators used in the new big data index of U.S. economic activity

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
IP: Real Gross Value of Equipment	DLN	Investment	P&I
IP: Real Gross Value of Final Products	DLN	Investment	P&I
IP: Real Gross Value of Nonindustrial Supplies	DLN	Investment	P&I
IP: Real Gross Value of Other Consumer Durable Goods	DLN	Investment	P&I
IP: Real Gross Value of Total Products	DLN	Investment	P&I
IP: Total	DLN	Investment	P&I
IP: Total Equipment	DLN	Investment	P&I
Kansas City Fed Mfg: Composite, Next 6 Months	LV	Investment	P&I
Kansas City Fed Mfg: Composite, vs. Last Month	LV	Investment	P&I
Real Manufacturing Machinery and Equipment Sales Plus Business Construction Spending	DLN	Investment	P&I
I/S Ratio: Manufacturing (BEA)	DLN	Investment	SO&I
I/S Ratio: Manufacturing Durable Goods (BEA)	DLN	Investment	SO&I
I/S Ratio: Manufacturing Nondurable Goods (BEA)	DLN	Investment	SO&I
I/S Ratio: Manufacturing and Trade (BEA)	DLN	Investment	SO&I
I/S Ratio: Merchant Wholesale Durable Goods (BEA)	DLN	Investment	SO&I
I/S Ratio: Merchant Wholesale Nondurable Goods (BEA)	DLN	Investment	SO&I
I/S Ratio: Merchant Wholesale Trade (BEA)	DLN	Investment	SO&I
I/S Ratio: Retail Trade (BEA)	DLN	Investment	SO&I
Real Inventories: Manufacturing	DLN	Investment	SO&I
Real Inventories: Manufacturing Durable Goods	DLN	Investment	SO&I
Real Inventories: Manufacturing Nondurable Goods	DLN	Investment	SO&I
Real Inventories: Manufacturing and Trade	DLN	Investment	SO&I
Real Inventories: Merchant Wholesale Durable Goods	DLN	Investment	SO&I
Real Inventories: Merchant Wholesale Nondurable Goods	DLN	Investment	SO&I
Real Inventories: Merchant Wholesale Trade	DLN	Investment	SO&I
Real Inventories: Retail Trade	DLN	Investment	SO&I
Real Sales: Manufacturing	DLN	Investment	SO&I
Real Sales: Manufacturing Durable Goods	DLN	Investment	SO&I
Real Sales: Manufacturing Nondurable Goods	DLN	Investment	SO&I
Real Sales: Manufacturing and Trade	DLN	Investment	SO&I

Table A1. Indicators used in the new big data index of U.S. economic activity

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Real Sales: Merchant Wholesale Durable Goods	DLN	Investment	SO&I
Real Sales: Merchant Wholesale Nondurable Goods	DLN	Investment	SO&I
Real Sales: Merchant Wholesale Trade	DLN	Investment	SO&I
Real Sales: Retail Trade	DLN	Investment	SO&I
I/S Ratio: Manufacturing (Census)	DLN	Investment	SO&I
I/S Ratio: Merchant Wholesale Trade (Census)	DLN	Investment	SO&I
I/S Ratio: Retail Trade (Census)	DLN	Investment	SO&I
I/S Ratio: Retail Trade ex. Motor Vehicle and Part Dealers (Census)	DLN	Investment	SO&I
I/S Ratio: Total Business (Census)	DLN	Investment	SO&I
Mobile Home Shipments	DLV	Investment	C&H
Real Mobile Home Values	DLN	Investment	C&H
NAHB: Home Builders: Housing Market Index	DLV	Investment	C&H
NAHB: Home Builders: Midwest	DLV	Investment	C&H
NAHB: Home Builders: Northeast	DLV	Investment	C&H
NAHB: Home Builders: Single Family Sales: Next 6 Months	DLV	Investment	C&H
NAHB: Home Builders: Single Family Sales: Present	DLV	Investment	C&H
NAHB: Home Builders: South	DLV	Investment	C&H
NAHB: Home Builders: Traffic of Prospective Buyers	DLV	Investment	C&H
NAHB: Home Builders: West	DLV	Investment	C&H
NFIB: Current Inventory Too Low	DLV	Investment	SO&I
NFIB: Expect Economy to Improve	DLV	Investment	P&I
NFIB: Expect Real Sales Higher	LV	Investment	SO&I
NFIB: Firms with Positions Not Able to Fill Right Now	DLV	Investment	EU&H
NFIB: Higher Earnings this Quarter	LV	Investment	P&I
NFIB: Now is a Good Time To Expand	DLV	Investment	P&I
NFIB: Plans to Increase Employment	LV	Investment	EU&H
NFIB: Plans to Increase Inventories	LV	Investment	SO&I
NFIB: Plans to Make Capital Outlays	DLV	Investment	SO&I
NFIB: Small Business Optimism Index	DLV	Investment	P&I
New Single-Family Home Sales	DLV	Investment	C&H

Table A1. Indicators used in the new big data index of U.S. economic activity

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
New Single-Family Home Sales: Midwest	DLV	Investment	C&H
New Single-Family Home Sales: Northeast	DLV	Investment	C&H
New Single-Family Home Sales: South	DLV	Investment	C&H
New Single-Family Home Sales: West	DLV	Investment	C&H
New Single-Family Houses for Sale	DLV	Investment	C&H
New Single-Family Houses for Sale: Midwest	DLV	Investment	C&H
New Single-Family Houses for Sale: Northeast	DLV	Investment	C&H
New Single-Family Houses for Sale: South	DLV	Investment	C&H
New Single-Family Houses for Sale: West	DLV	Investment	C&H
Real New Single-Family Home Sales Value	DLN	Investment	C&H
Empire State Mfg: Business Conditions: Current	LV	Investment	P&I
Empire State Mfg: Business Conditions: Future	LV	Investment	P&I
NAR: Pending Home Sales: Midwest	DLV	Investment	C&H
NAR: Pending Home Sales: Northeast	DLV	Investment	C&H
NAR: Pending Home Sales: South	DLV	Investment	C&H
NAR: Pending Home Sales: Total	DLV	Investment	C&H
NAR: Pending Home Sales: West	DLV	Investment	C&H
Philly Fed Mfg. Business Outlook Survey: Current Activity	LV	Investment	P&I
Philly Fed Mfg. Business Outlook Survey: Future Activity	LV	Investment	P&I
Real Retail Sales: Building Materials and Supplies	DLN	Investment	SO&I
Richmond Fed Manufacturing Survey: Current Conditions	LV	Investment	P&I
San Francisco Fed: Tech Pulse Index	DLN	Investment	P&I
Transportation Services Index	DLN	Investment	SO&I
Transportation Services Index: Freight	DLN	Investment	SO&I
Transportation Services Index: Passenger	DLN	Investment	SO&I
Autos: Real Average Business Expenditure per Car	DLN	Investment	P&I
Business New Light Vehicle Sales	DLN	Investment	SO&I
Business Share of Lightweight Truck Sales	DLV	Investment	P&I
Heavy Truck Sales	DLN	Investment	P&I
Real Construction Put In Place: Federal	DLN	Other	P&I

Table A1. Indicators used in the new big data index of U.S. economic activity

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Real Construction Put In Place: Public	DLN	Other	P&I
Real Construction Put In Place: State and Local	DLN	Other	P&I
Real New Orders: Defense Capital Goods	DLN	Other	SO&I
Real Shipments: Defense Capital Goods	DLN	Other	SO&I
Real Unfilled Orders: Defense Capital Goods	DLN	Other	SO&I
Real Net Imports of Crude Oil and Petroleum Products	DLV	Other	P&I
Employment: Department of Defense	DLN	Other	EU&H
Employment: Federal Government	DLN	Other	EU&H
Employment: State and Local Government	DLN	Other	EU&H
ISM Manufacturing: New Export Orders	LV	Other	P&I
ISM Manufacturing: Imports	LV	Other	P&I
Real Balance of Trade in Goods and Services	DLV	Other	P&I
Real Exports Automotive	DLN	Other	P&I
Real Exports Capital Goods ex. Auto	DLN	Other	P&I
Real Exports Consumer Goods ex. Auto	DLN	Other	P&I
Real Exports Excluding Military Aid Shipments	DLN	Other	P&I
Real Exports Foods, Feeds, and Beverages	DLN	Other	P&I
Real Exports Industrial Supplies and Materials	DLN	Other	P&I
Real Exports Other Goods	DLN	Other	P&I
Real Exports of Charges for Use of Intellectual Property	DLN	Other	P&I
Real Exports of Computers and Accessories	DLN	Other	P&I
Real Exports of Core Capital Goods	DLN	Other	P&I
Real Exports of Domestic Agriculture Products	DLN	Other	P&I
Real Exports of Financial Services	DLN	Other	P&I
Real Exports of Goods	DLN	Other	P&I
Real Exports of Goods and Services	DLN	Other	P&I
Real Exports of Government Goods and Services	DLN	Other	P&I
Real Exports of Insurance Services	DLN	Other	P&I
Real Exports of Maintenance and Repair Services	DLN	Other	P&I
Real Exports of Other Business Services	DLN	Other	P&I

Table A1. Indicators used in the new big data index of U.S. economic activity

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category <sup>1</sup></b>	<b>CFNAI category <sup>2</sup></b>
Real Exports of Services	DLN	Other	P&I
Real Exports of Telecommunications, Computer, and Information Services	DLN	Other	P&I
Real Exports of Transportation Services	DLN	Other	P&I
Real Exports of Travel Services	DLN	Other	P&I
Real Imports Automotive	DLN	Other	P&I
Real Imports Capital Goods ex. Auto	DLN	Other	P&I
Real Imports Consumer Goods ex. Auto	DLN	Other	P&I
Real Imports Foods, Feeds, and Beverages	DLN	Other	P&I
Real Imports Industrial Supplies and Materials	DLN	Other	P&I
Real Imports Other Goods	DLN	Other	P&I
Real Imports of Automobiles and Parts	DLN	Other	P&I
Real Imports of Charges for Use of Intellectual Property	DLN	Other	P&I
Real Imports of Computers and Accessories	DLN	Other	P&I
Real Imports of Core Capital Goods	DLN	Other	P&I
Real Imports of Financial Services	DLN	Other	P&I
Real Imports of Goods	DLN	Other	P&I
Real Imports of Goods and Services	DLN	Other	P&I
Real Imports of Government Goods and Services	DLN	Other	P&I
Real Imports of Insurance Services	DLN	Other	P&I
Real Imports of Maintenance and Repair Services	DLN	Other	P&I
Real Imports of Other Business Services	DLN	Other	P&I
Real Imports of Services	DLN	Other	P&I
Real Imports of Telecommunications, Computer, and Information Services	DLN	Other	P&I
Real Imports of Transportation Services	DLN	Other	P&I

Table A1. Indicators used in the new big data index of U.S. economic activity

<b>Indicator</b>	<b>Transformation</b>	<b>NIPA category</b> <sup>1</sup>	<b>CFNAI category</b> <sup>2</sup>
Real Imports of Travel Services	DLN	Other	P&I
Real Trade Balance in Goods, Customs Value	DLV	Other	P&I
Real Federal Outlays: Defense Spending	DLN	Other	P&I
Real Federal Outlays: Total	DLN	Other	P&I
Real Wage and Salary Disbursements: Government	DLN	Other	P&I

<sup>1</sup> The national income and product accounts (NIPA) categories are consumption, investment, and other. The final category comprises government spending and net exports indicators, along with quarterly real gross domestic product.

<sup>2</sup> The Chicago Fed National Activity Index (CFNAI) categories are abbreviated for ease of presentation. The abbreviations stand for the following: P&I = production and income; EU&H = employment, unemployment, and hours; C&H = personal consumption and housing; and SO&I = sales, orders, and inventories.