

Table 3: Chicago Fed National Activity Index component data series

Haver mnemonic	Scaled eigenvector	Transformation ^a	Description
<i>Production and income</i>			
IPMFG	0.025	DLN	Industrial Production: Manufacturing SA, 2012=100
IP	0.025	DLN	Industrial Production Index SA, 2012=100
CUMFG	0.024	DLV	Capacity Utilization: Manufacturing SA, Percent of Capacity
IPMDG ^c	0.024	DLN	Industrial Production: Durable Manufacturing SA, 2012=100
IPTP	0.023	DLN	Industrial Production: Final Products and Nonindustrial Supplies SA, 2012=100
IP531	0.023	DLN	Industrial Production: Materials: Durable SA, 2012=100
IP54	0.023	DLN	Industrial Production: Nonindustrial Supplies SA, 2012=100
IP53	0.022	DLN	Industrial Production: Materials SA, 2012=100
IPFP	0.022	DLN	Industrial Production: Final Products SA, 2012=100
IP521	0.020	DLN	Industrial Production: Business Equipment SA, 2012=100
NAPMOI	0.020	LV	ISM Manufacturing: Production index SA, 50+ = Econ Expand
NAPMC	0.020	LV	ISM Manufacturing: PMI Composite Index SA, 50+=Econ Expand
IPMND ^c	0.018	DLN	Industrial Production: Nondurable Manufacturing SA, 2012=100
IP51	0.018	DLN	Industrial Production: Consumer Goods SA, 2012=100
IP511	0.017	DLN	Industrial Production: Durable Consumer Goods SA, 2012=100
IP532	0.016	DLN	Industrial Production: Materials: Nondurable SA, 2012=100
YPLTPMH	0.013	DLN	Real Personal Income Less Transfer Payments SAAR, Bil. Chn. 2009\$
IP512	0.010	DLN	Industrial Production: Nondurable Consumer Goods SA, 2012=100
CONSTPV ^d	0.007	DLN	Private nonresidential construction, SAAR Mil\$, Chained/2009\$ (constructed)
YPDHM	0.006	DLN	Disposable Personal Income SAAR, Bil. Chn. 2009\$
IPB0 ^c	0.006	DLN	Industrial Production: Mining SA, 2012=100
CONSTPU ^d	0.003	DLN	Public construction, SAAR Mil\$, Chained/2009\$ (constructed)
IPUTL ^c	0.001	DLN	Industrial Production: Electric and Gas Utilities SA, 2012=100
Sum of Abs^b Values	0.383		

^aFor a series y_t , the transformations $x_t = f(y_t)$ are: LV: $x_t = y_t$; DLV: $x_t = \Delta y_t$; LN: $x_t = \log(y_t)$; DLN: $x_t = \Delta \log(y_t)$

^bThe scaled eigenvector is constructed to sum to one in absolute value over all four categories.

^cData are spliced to discontinued SIC series to construct full series history.

^dDeflated using appropriate NIPA deflators. CONSTPV = CPV - CPVR, CONSTPU = CPG.

Haver mnemonic	Scaled eigenvector	Transformation ^a	Description
<i>Employment, unemployment, and hours</i>			
LAPRIVA	0.024	DLN	All Employees: Private Nonfarm Payrolls SA, Thousands
LAGOODA	0.024	DLN	All Employees: Goods-Producing Industries SA, Thousands
LANAGRA	0.024	DLN	Employees on Nonfarm Payrolls SA, Thousands
LAMANUA	0.023	DLN	All Employees: Manufacturing SA, Thousands
LADURGA	0.023	DLN	All Employees: Durable Goods Manufacturing SA, Thousands
LASERPA	0.020	DLN	All Employees: Service-Producing Industries SA, Thousands
LATRDA ^f	0.019	DLN	All Employees: Retail and Wholesale Trade SA, Thousands (constructed)
LANDURA	0.019	DLN	All Employees: Nondurable Goods Manufacturing SA, Thousands
LASRVSA ^d	0.018	DLN	All Employees: Services SA, Thousands (constructed)
LHELPR ^c	0.017	DLN	Ratio: Help-Wanted Advertising/JOLTS: Job Openings to Number Unemployed SA,
NAPMEI	0.017	LV	ISM Manufacturing: PMI Employment Index
LACONSA	0.017	DLN	All Employees: Construction SA, Thousands
LR	-0.016	DLV	Civilian Unemployment Rate SA, Percent
LENA	0.016	DLN	Civilian Employment: Nonagricultural Industries SA, Thousands
LE	0.016	DLN	Civilian Employment: Sixteen Years & Over SA, Thousands
LRM25	-0.015	DLV	Civilian Unemployment Rate: Men, 25-54 Years SA, Percent
LAFIREA	0.013	DLN	All Employees: Finance, Insurance and Real Estate SA, Thousands
LHELP ^c	0.013	DLN	Index of Help-Wanted Advertising/JOLTS: Job Openings SA
LCUN	-0.012	DLV	Weekly Initial Claims For Unemployment Insurance SA, Thousands
LATPUTA ^e	0.012	DLN	All Employees: Transportation and Public Utilities SA, Thousands (constructed)
LRMANUA	0.011	DLV	Average Weekly Hours: Manufacturing SA, Hours
LOMANUA	0.009	DLV	Average Weekly Overtime Hours: Manufacturing SA, Hours
LAMINGA	0.004	DLN	All Employees: Mining SA, Thousands
LAGOVTA	0.002	DLN	All Employees: Government SA, Thousands
Sum of Abs^b Value	0.298		

^aFor a series y_t , the transformations $x_t = f(y_t)$ are: LV: $x_t = y_t$; DLV: $x_t = \Delta y_t$; LN: $x_t = \log(y_t)$; DLN: $x_t = \Delta \log(y_t)$

^bThe scaled eigenvector is constructed to sum to one in absolute value over all four categories.

^cJOLTS series (LJJTLA and LTU) spliced to help-wanted series.

^dLASRVSA = LAINFOA + LAPBSVA + LAEDUHA + LALEIHA + LASRVOA.

^eLATPUTA = LATTULA - LAWTRDA - LARTRDA.

^fLATRDA = LAWTRDA + LARTRDA.

Haver mnemonic	Scaled eigenvector	Transformation ^a	Description
<i>Personal consumption and housing</i>			
HPT	0.014	LN	Housing Units Authorized by Building Permits SAAR, Thousands of Units
HST	0.014	LN	Housing Starts SAAR, Thousands of Units
HSTS	0.013	LN	Housing Starts: South SAAR, Thousands of Units
HSTW	0.013	LN	Housing Starts: West SAAR, Thousands of Units
HSTMW	0.012	LN	Housing Starts: Midwest SAAR, Thousands of Units
HSTNE	0.011	LN	Housing Starts: Northeast SAAR, Thousands of Units
CBHM	0.010	DLN	Personal Consumption Expenditures SAAR, Bil./Chained/2009\$
RSH ^c	0.009	DLN	Real Retail Sales SA, Millions/Chained/2009\$
RSDH ^c	0.009	DLN	Real Retail Sales: Durable Goods SA, Mil./Chained/2009\$
HSM	0.009	LN	Manufacturers' Shipment of Mobile Homes SAAR, Thousands of Units
CDBHM	0.008	DLN	Personal Consumption Expenditures: Durable Goods SAAR, Bil./Chained/2009\$
CSBHM	0.007	DLN	Personal Consumption Expenditures: Services SAAR, Bil./Chained/2009\$
CNBHM	0.007	DLN	Personal Consumption Expenditures: Nondurable Goods SAAR, Bil./Chained/2009\$
RSNH ^c	0.006	DLN	Real Retail Sales: Nondurable Goods SA, Mil./Chained/2009\$
CDVHM	0.005	DLN	Personal Consumption Expenditures: Motor vehicles SAAR, Bil./Chained/2009\$
Sum of Abs^b Value	0.148		

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Haver mnemonic	Scaled eigenvector	Transformation ^a	Description
<i>Sales, orders and inventories</i>			
NAPMNI	0.020	LV	ISM Manufacturing: Diffusion Index
TSTH ^c	0.019	DLN	Real Manufacturing and Trade: Sales SA, Mil./Chained/2009\$
TSMH ^c	0.017	DLN	Sales: Manufacturing SA, Mil./Chained/1996\$
TSMDH ^c	0.016	DLN	Sales: Manufacturing: Durable Goods SA, Mil./Chained/2009\$
TSWDH ^c	0.016	DLN	Sales: Wholesale: Durable Goods SA, Mil./Chained/2009\$
MOCGMC	0.016	DLN	Real Man. New Orders: Consumer Goods & Materials SA, Mil./Chained 1982\$
TRMH ^c	-0.015	DLV	Inventory/Sales Ratio: Manufacturing SA, Chained/2009\$
TRTH ^c	-0.015	DLV	Real Manufacturing & Trade: Inventory/Sales Ration SA, Chained/2009\$
TSWH ^c	0.013	DLN	Sales: Merchant Wholesalers SA, Mil./Chained/2009\$
NAPMVDI	0.012	LV	ISM Manufacturing: Suppliers Deliveries Index
MDOQ	0.012	DLN	Real Manufacturers' New Orders: Durable Goods Industries, Bil./Chained/2009\$
NAPMII	0.011	LV	ISM Manufacturing: Inventories Index
TSMNH ^c	0.011	DLN	Sales: Manufacturing: Nondurable Goods SA, Mil./Chained/2009\$
TIRH ^c	0.011	DLN	Inventories: Retail Trade EOP, SA, Mil./Chained/2009\$
TITH ^c	0.010	DLN	Real Manufacturing & Trade Inventories EOP, SA, Mil./Chained/2009\$
TRWH ^c	-0.010	DLV	Inventory/Sales Ratio: Merchant Wholesalers SA, Chained/2009\$
TSWNH ^c	0.006	DLN	Sales: Wholesale: Nondurable Goods SA, Chained/2009\$
TIWH ^c	0.005	DLN	Inventories: Merchant Wholesalers EOP, SA, Mil./Chained/2009\$
MOCNC	0.005	DLN	Real Man. New Orders: Nondef. Capital Goods Industries SA, Mil./Chained/1982\$
TIMH ^c	0.005	DLN	Inventories: Manufacturing EOP, SA, Mil./Chained/2009\$
TIMDH ^c	0.004	DLN	Inventories: Manufacturing: Durable Goods EOP, SA, Mil./Chained/2009\$
TIMNH ^c	0.004	DLN	Inventories: Manufacturing: Nondurable Goods EOP, SA, Mil./Chained/2009\$
TRRH ^c	-0.002	DLV	Inventory/Sales Ratio: Retail Trade SA, Chained/2009\$
Sum of Abs^b Value	0.171		

^aFor a series y_t , the transformations $x_t = f(y_t)$ are: LV: $x_t = y_t$; DLV: $x_t = \Delta y_t$; LN: $x_t = \log(y_t)$; DLN: $x_t = \Delta \log(y_t)$

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