News You Can Use

An Introduction to Chicago Fed Activity Indexes
The Brave-Butters-Kelley Indexes (BBKI)

**Business Cycle Indexes and Monthly GDP Growth**

- A mixed-frequency collapsed dynamic factor analysis of U.S. GDP
- An application of "big data" in macroeconomics to
  - U.S. business cycles and
  - Monthly measurement of U.S. GDP growth
- Available monthly at chicagofed.org/bbki

For more information see:

- Technical report
- A "big data" view of the U.S. economy: Introducing the Brave-Butters-Kelley Indexes
- A new "big data" index of U.S. economic activity
Brave-Butters-Kelley Indexes

BBK Coincident Index vs. CFNAI-MA3

• Long history based on 500 monthly indicators and quarterly GDP
• New leading index with a ten-month lead on the business cycle
Decomposition of BBK Monthly GDP Growth, 2017–20

- Decomposes GDP into persistent (Trend and Cycle) and short-lived (Irregular) components at monthly and quarterly frequencies
Decomposition of U.S. real GDP growth, 2017-20

Real gross domestic product
Trend
Cycle
Irregular

log annualized percent change


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Additional information available at chicagofed.org/research/data/index

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