# 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

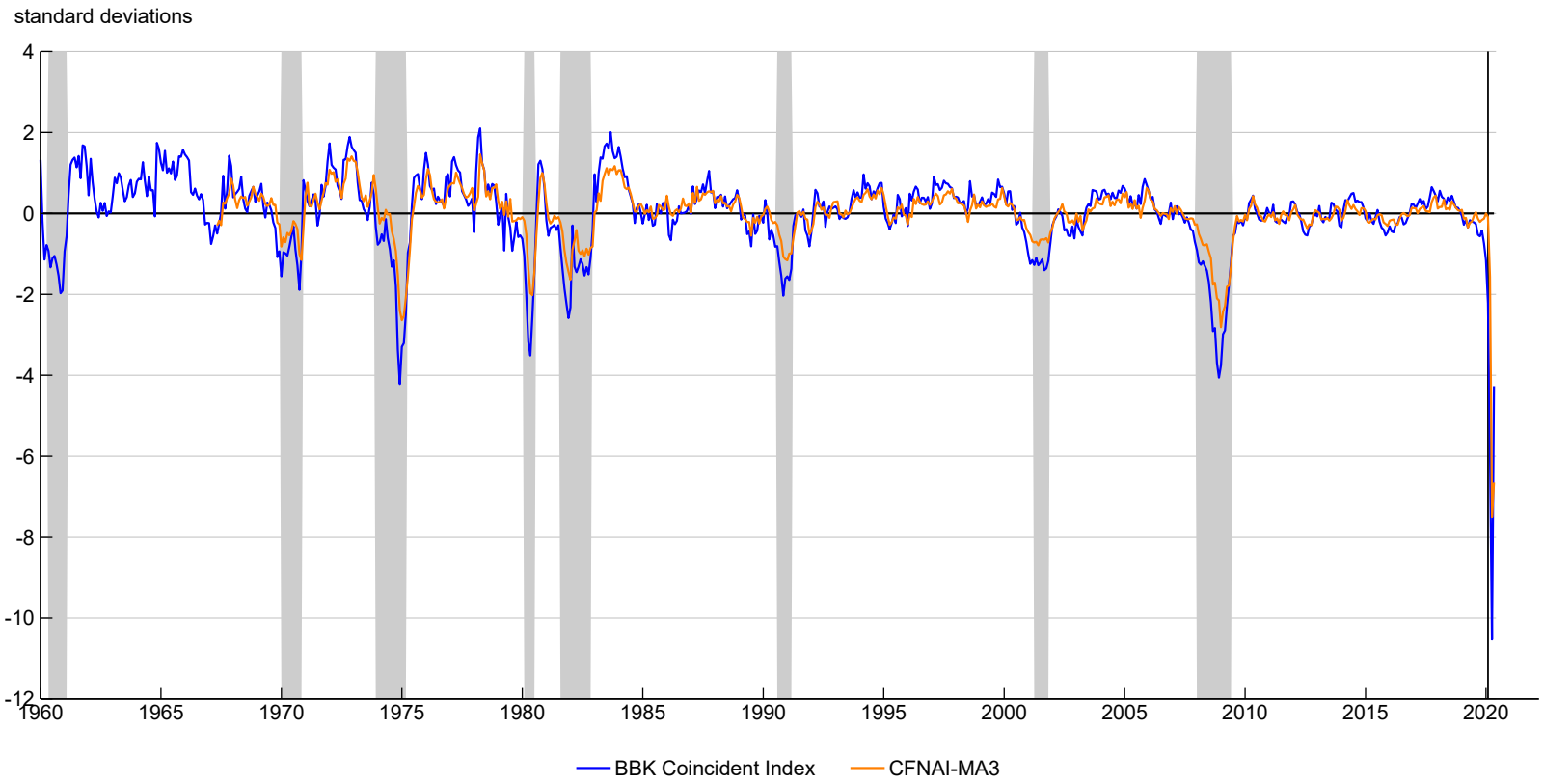
For more information see:

- **Technical report**

- **A "big data" view of the U.S. economy: Introducing the Brave-Butters-Kelley Indexes**

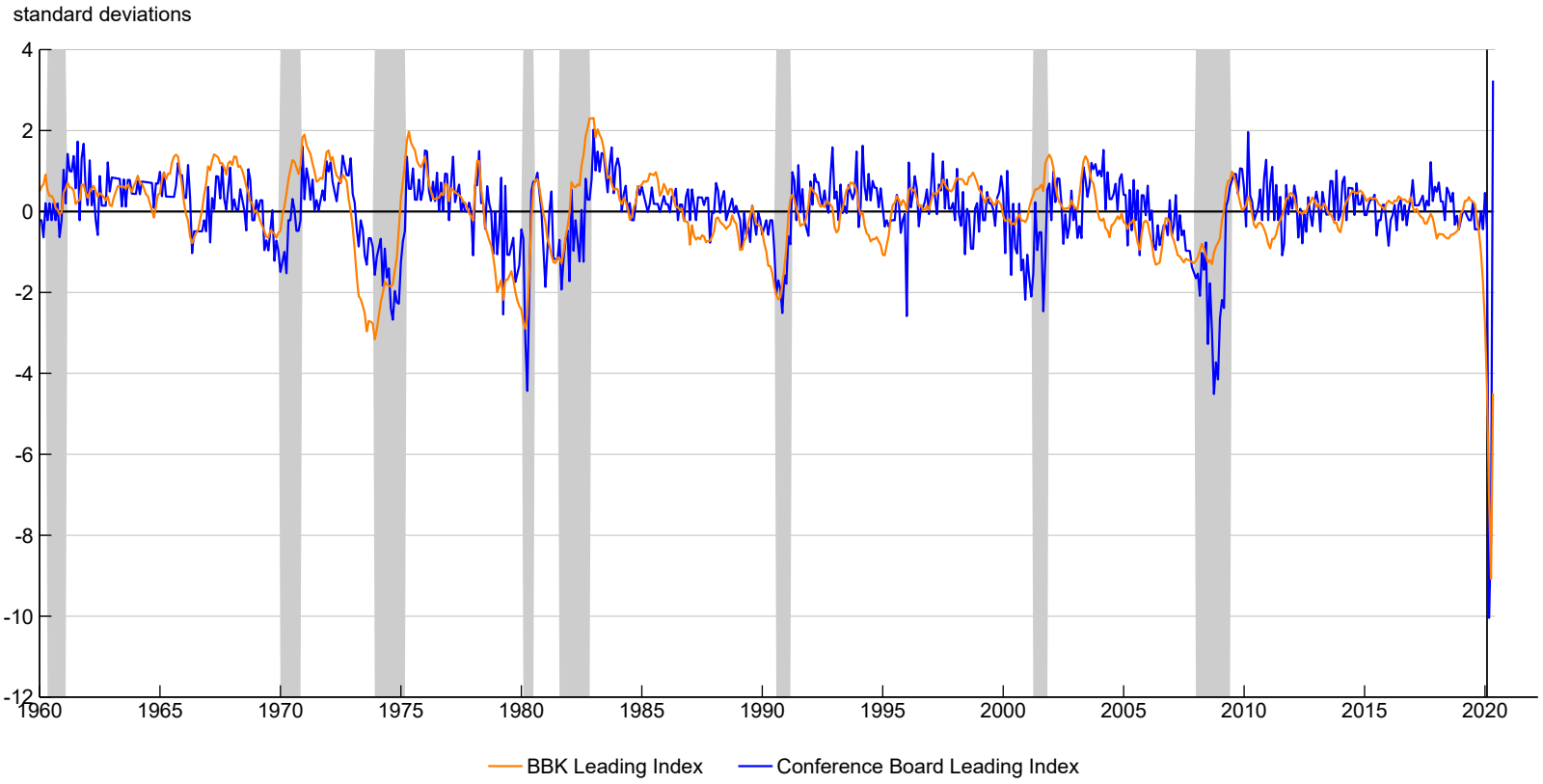
- **A new "big data" index of U.S. economic activity**

# BBK Coincident Index vs. CFNAI-MA3



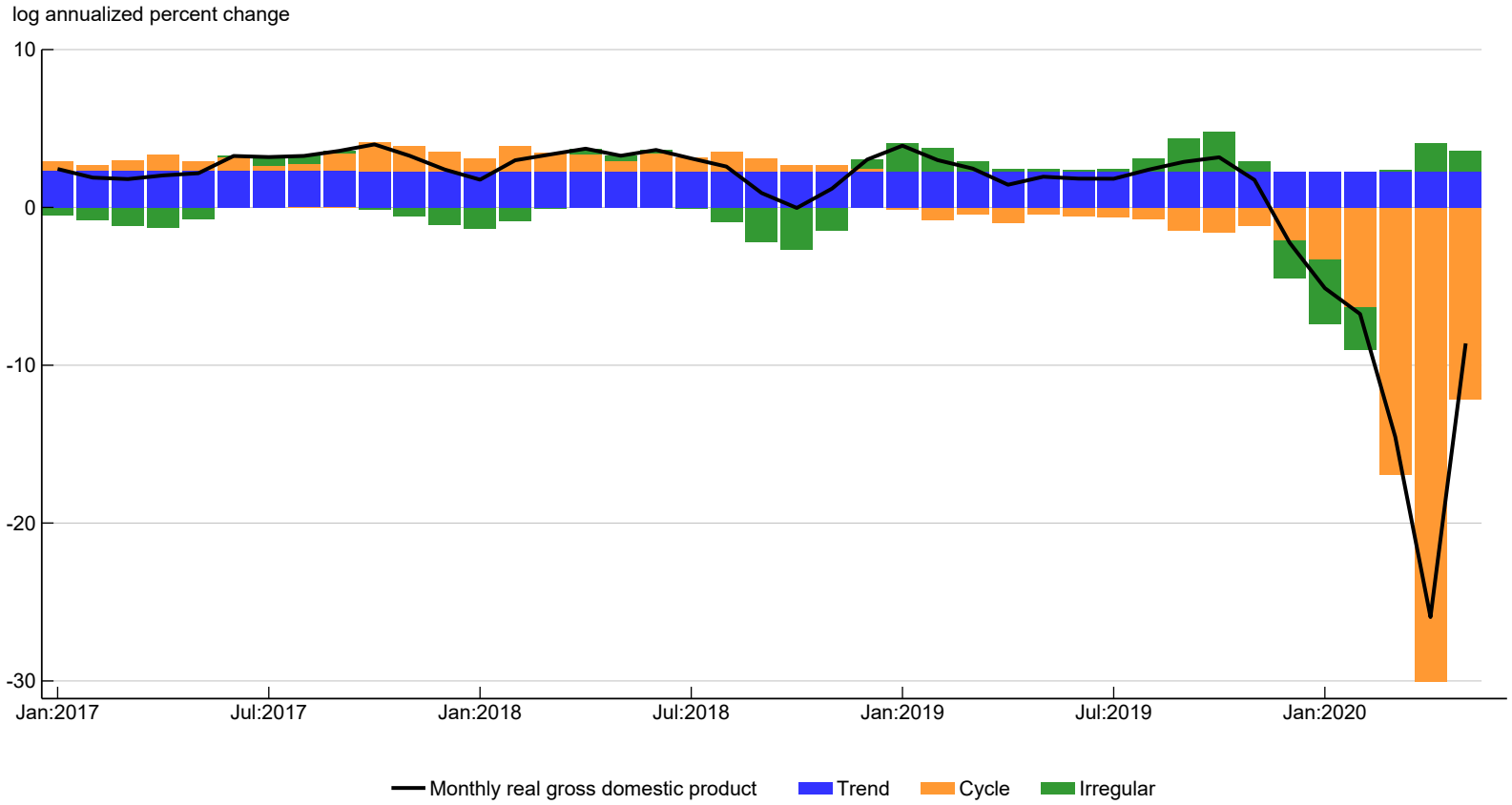

- Long history based on 500 monthly indicators and quarterly GDP

# BBK Leading Index vs. Conference Board Leading Economic Index



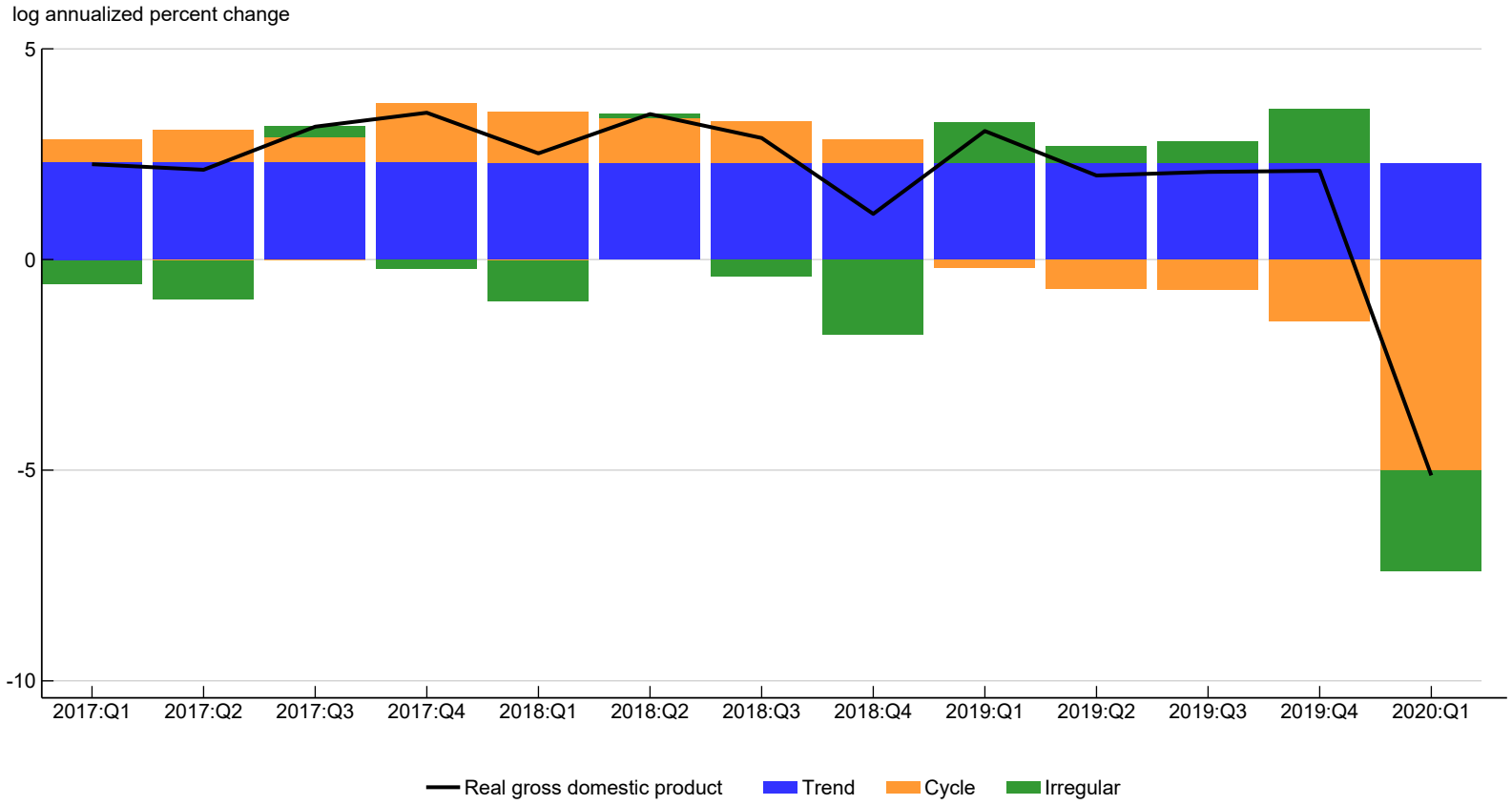

- New leading index with an ten-month lead on the business cycle

# 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



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

Contacts:

Michael Adleman
Media Relations
Federal Reserve Bank of Chicago
312-322-2934

Scott Brave
Economic Research
Federal Reserve Bank of Chicago
312-322-5784
sbrave@frbchi.org