ASA AMERICAN STATISTICAL ASSOCIATION Promoting the Practice and Profession of Statistics

Log in Register Cart

Home ▶ Journal of Business & Economic Statistics ▶ List of Issues ▶ Volume 27, Issue 4 ▶ Real-Time Measurement o...

The online home for the publications of the American Statistical Association

Journal of Business & Economic Statistics ›

Volume 27, 2009 - Issue 4

3,991 Views | 591 CrossRef citations to date | 32 Altmetric

Articles

Real-Time Measurement of Business Conditions

S. Borağan Aruoba, Francis X. Diebold & Chiara Scotti

Pages 417-427 | Received 01 Aug 2007, Published online: 01 Jan 2012

Cite this article https://doi.org/10.1198/jbes.2009.07205

Citations Metrics Reprints & Permissions Read this article Share

Abstract

We construct a framework for measuring economic activity at high frequency, potentially in real time. We use a variety of stock and flow data observed at mixed frequencies (including very high frequencies), and we use a dynamic factor model that permits exact filtering. We illustrate the framework in a prototype empirical example and a simulation study calibrated to the example.

Keywords: :

Business cycle | Contraction | Dynamic factor model | Expansion | Macroeconomic forecasting | Recession | State space model | Turning point

Previous article View issue table of contents Next article

Further reading

People also read | Recommended articles | Cited by

Macroeconomic Forecasting Using Diffusion Indexes

James H Stock et al.
Journal of Business & Economic Statistics
Published online: 1 Jan 2012

Real-Time Forecasting With a Mixed-Frequency VAR

Frank Schorfheide et al.
Journal of Business & Economic Statistics
Published online: 17 Jul 2015

Machine Learning Time Series Regressions With an Application to Nowcasting

Andrii Babii et al.
Journal of Business & Economic Statistics
Published online: 21 Apr 2021

View more

© Informa Group plc

Taylor & Francis Group
an informa business

Registered in England & Wales No. 3099067
5 Howick Place | London | SW1P 1WG