

## A Flexible Fourier Approach to Repeat Sales Price Indexes

Daniel P. McMillen, Jonathan Dombrow

First published: 17 December 2002

<https://doi.org/10.1111/1080-8620.00008>



### Abstract

Time periods are typically highly aggregated for repeat sales estimators because of the small number of observations available in some periods. We use a flexible Fourier expansion to account for time, which we treat as a continuous variable. Our estimator saves degrees of freedom and enables us to estimate the price index efficiently even for times with few sales. We present estimated price indexes for the City of Chicago, Cook County, and several suburbs.

### Citing Literature



[Download PDF](#)

#### ABOUT WILEY ONLINE LIBRARY

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising. You may change your settings at any time or accept the default settings. You may close this banner to continue with only essential cookies. [Privacy Policy](#)



Manage Preferences

Accept All

Reject Non-Essential

Contact Us  
Training and Support  
DMCA & Reporting Piracy  
Sitemap

#### OPPORTUNITIES

Subscription Agents  
Advertisers & Corporate Partners

#### CONNECT WITH WILEY

The Wiley Network  
Wiley Press Room

Copyright © 1999-2026 John Wiley & Sons, Inc or related companies. All rights reserved, including rights for text and data mining and training of artificial intelligence technologies or similar technologies.

**WILEY**

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising. You may change your settings at any time or accept the default settings. You may close this banner to continue with only essential cookies. [Privacy Policy](#)



**Manage Preferences**

**Accept All**

**Reject Non-Essential**