

# Workshop on Small Area Estimation

15th September 2023, 09.30 - 17.30

Institute for Fiscal Studies, 7 Rigmount St, London WC1E 7AE

The public show considerable interest in data for small geographic areas and policy-makers require them if they are to be in a position to address key inequalities. This workshop will present both state of the art theory and recent empirical applications of small-area estimation. The theoretical topics will include estimation from a combination of survey and register data and the problems of small area estimation with very skewed populations. Empirical work will include two labour market issues, looking at union membership and worker skills, a study of the local effects of high-speed rail and three topics related to consumption, looking at local prices, measures of well-being and the link between small-area area statistics and consumer registers.

The workshop will be of interest both to those working on the development of small area techniques and those interest in their application.

For further information and to register for this in-person event please visit [here](#).

## Programme

**09.30 – 09.50 Registration and Coffee**

**09.50 – 10.00 Welcome: Peter Levell (IFS)**

**10.00 – 12.00 Recent Theoretical Advances in Small Area Estimation**

**Chair: Peter Levell (IFS)**

*Recent Advances in the Estimation of General Area Indicators Based on Unit-level Models*  
Isabel Molina (Complutense University)

*Small Area Estimation Using Linked Survey and Register Data*  
Raymond Chambers (University of Wollongong)

*Small Area Estimation for Skewed Business Survey Populations or Implicit Small Area Models (eg Apportionment) and Why Explicit Small Area Estimation*  
Paul Smith (University of Southampton)

**12.00 – 13.00 Lunch**

**13.00 – 15.00 Empirical Work (A)**

**Chair: Lars Nesheim (UCL)**

*Spatial Location of Union Membership*  
Rhys Davies (Wales Institute of Social and Economic Research and Data)

*Assessing the Effects of High Speed Rail on Local Economies*  
Helen Simpson (University of Bristol)

# Workshop on Small Area Estimation

15th September 2023, 09.30 - 17.30

Institute for Fiscal Studies, 7 Rigmount St, London WC1E 7AE

*Urban Sorting and the Measurement of Local Productivity and Worker Skills*

Lars Nesheim (UCL)

**15.00 – 15.30 Coffee**

**15.30 – 17.30 Empirical Work (B)**

**Chair: Martin Weale (KCL)**

*Local Prices and the Cost of Living*

Peter Levell (IFS), Lars Nesheim (UCL) and Tao Chen (UCL)

*Consumption and Health-based Indicators of Well-being for Lower Tier Local Authorities in England*

Andrew Aitken (OECD) and Martin Weale (KCL)

*Reconciling Small Area Statistics with Linked Consumer Registers*

Paul Longley (UCL)

**17.30 Close of Conference**