Institute of Education
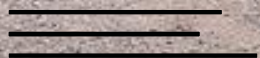
Handling missing data in the British cohort studies

CENTRE FOR
LONGITUDINAL
STUDIES

Schedule for the afternoon

Time	Duration	What	Who
1300-1310	10m	Welcome & Introductions	Richard Silverwood
1310-1340	30m	Missing data theory	George Ploubidis
1340-1400	20m	Introduction to CLS cohorts	Brian Dodgeon
1400-1410	10m	Break	
1410-1510	60m	CLS Missing Data Strategy	Richard Silverwood Michalis Katsoulis
1510-1520	10m	Break	
1520-1600	40m	Demonstration	Martina Narayanan
1600-1630	30m	Q&A	All

Housekeeping

- Please keep your cameras off and mics muted at all times.

- If you have a question, please use the chat function, and please note your question will be visible to all attendees.

- Technical issues – please email us: ioe.clsevents@ucl.ac.uk

- We would be grateful for your feedback. Please follow the link in the chat and complete the short survey at the end.

- We are recording today's event. We will remove from the video any participant names to protect privacy.

Thank you for joining us today.

Upcoming events

- Webinar: Introduction to the Millennium Cohort Study – 18 May

- Hybrid event: Healthy longevity in the 21st century: A cross-generational life course perspective – 24 May, London/online

- Children of the noughties: a conference to celebrate 21 years of the Millennium Cohort Study – 13 and 14 June, London

What we do at CLS

- We run four major national longitudinal studies, which follow people throughout life – "from cradle to grave"

- We are funded by the ESRC as a 'resource centre' – to provide data to the wider scientific community

- Deposit of data at UK Data Archive

- Scientific development, and design of the studies

- Training, capacity building, and user support

- Research – Strong multidisciplinary group

CLS Research Team

- CLS is a truly multidisciplinary group

- >40 full time researchers

- CLS staff have backgrounds in economics, sociology, psychology, epidemiology, demography, statistics, mixed-methods research, survey methods and techniques of policy evaluation

- Experience in using the CLS datasets and other UK/International longitudinal surveys

CLS Scientific Themes – What the CLS Research Team Does

- Improving social mobility and generational change
- Tackling the obesity challenge
- Improving mental health across the whole of life
- Cognitive development and cognitive decline
- Healthy ageing and productive working older lives
- Families and intra-household dynamics
- Applied statistical methods
- Survey methods
- Social genomics

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CLS Applied Statistical Methods

- Applied methodological – translational – work which aims to reduce bias from the three major challenges in observational longitudinal data:
  - ➢ Missing data
  - ➢ Measurement error
  - ➢ Causal inference

- Interdisciplinary approach: Applying in the CLS data methods/ideas from Statistics/Biostatistics, Epidemiology, Econometrics, Psychometrics and Computer Science.

- Support and enable users of the CLS data (including the CLS Research Team) to tackle these important challenges.