Handling missing data in the British cohort studies
### Schedule for the afternoon

<table>
<thead>
<tr>
<th>Time</th>
<th>Duration</th>
<th>What</th>
<th>Who</th>
</tr>
</thead>
<tbody>
<tr>
<td>1300-1310</td>
<td>10m</td>
<td>Welcome &amp; Introductions</td>
<td>Richard Silverwood</td>
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<tr>
<td>1310-1340</td>
<td>30m</td>
<td>Missing data theory</td>
<td>George Ploubidis</td>
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<tr>
<td>1340-1400</td>
<td>20m</td>
<td>Introduction to CLS cohorts</td>
<td>Brian Dodgeon</td>
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<tr>
<td>1400-1410</td>
<td>10m</td>
<td>Break</td>
<td></td>
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<tr>
<td>1410-1510</td>
<td>60m</td>
<td>CLS Missing Data Strategy</td>
<td>Richard Silverwood</td>
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<td>Michalis Katsoulis</td>
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<td>1510-1520</td>
<td>10m</td>
<td>Break</td>
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<tr>
<td>1520-1600</td>
<td>40m</td>
<td>Demonstration</td>
<td>Martina Narayanan</td>
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<td>1600-1630</td>
<td>30m</td>
<td>Q&amp;A</td>
<td>All</td>
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</tbody>
</table>
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
• Improving social mobility and generational change
• Tackling the obesity challenge
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• **Applied statistical methods**
• Survey methods
• Social genomics
• 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.