

**UK CIM 2015**  
**Bristol University, April 2015**

**Short course: Elements of Causal Inference**  
Instructor: Miguel Hernán

**Part I: Causal inference with methods that require adjustment for covariates**  
09.00-10.30 Session 1: Confounding adjustment for time-fixed treatments

Coffee break

11.00-12.30 Session 2: Confounding adjustment for time-varying treatments

Lunch break

**Part II: Causal inference with methods that do not require adjustment for covariates**  
13.30-15.00 Session 3: Instrumental variable estimation (I)

Coffee break

15.30-17.00 Session 4: Instrumental variable estimation (II)

*17.00-17.00 Pre-registration for UK-CIM conference*

**Pre-course activities:** Before they come to the course students are expected to

- Read Chapters 1 and 2 of the book Causal Inference by Hernán and Robins before they come to the course. Other chapters will be used throughout the course. The book can be downloaded (for free) from <http://www.hsph.harvard.edu/miguel-hernan/causal-inference-book/>
- Watch the following 2 short videos (about 12 minutes each)  
<https://www.youtube.com/watch?v=KEZj2Ugg0tU&feature=youtu.be>  
[https://www.youtube.com/watch?v=\\_0qCZSJPVuE&feature=youtu.be](https://www.youtube.com/watch?v=_0qCZSJPVuE&feature=youtu.be)