Introduction to Causal Inference and Treatment Effects

By Dr. Chuck Huber

Director of Statistical Outreach at StataCorp LLC

Are you curious about understanding cause-and-effect relationships in research, business, or policy-making? Do you want to make informed decisions based on data? Are you familiar with or interested in using Stata? If so, this seminar is for you!

Join our first *QuantLab Seminar* of the year featuring dr. Chuck Huber from the StataCorp, Texas, US, as he introduces the basic concepts of causal inference, including counterfactuals and potential outcomes. Dr Huber will demonstrate how to use Stata's suite of commands to fit causal models using propensity-score matching, inverse-probability weighting, regression adjustment, "doubly robust" estimators that use a combination of inverse-probability weighting with regression adjustment, and nearest-neighbor matching.

Date:	Monday 3 February 2025
Time:	2-3 pm AEST
Location:	Linkway, Level 4, School of Social and Political Sciences (BUILDING 191), Parkville
Cost:	Free – but registrations are limited!
How to join:	If you'd like to join, send an **RSVP** as soon as possible to either Irma (**irma.mooi@unimelb.edu.au**) or Seraphine (**seraphine.maerz@unimelb.edu.au**).

Dr. Chuck Huber is Director of Statistical Outreach at StataCorp LLC and Adjunct Associate Professor of Biostatistics at the Texas A&M School of Public Health and at the New York University School of Global Public Health. In addition to working with Stata's team of software developers, he produces instructional videos for the Stata YouTube channel, writes blog entries, develops online NetCourses, and gives talks about Stata at conferences and universities. Most of his current work is focused on statistical methods used by behavioral and health scientists. He has published in the areas of neurology, human and animal genetics, alcohol and drug abuse prevention, nutrition, and birth defects. Dr. Huber currently teaches survey sampling at NYU and introductory biostatistics at Texas A&M, where he previously taught categorical data analysis, survey data analysis, and statistical genetics.

Check out QuantLab's website for more details: https://quantilab.github.io!