

POP77082 Quantitative Methods II

Module Outline

Quantitative Methods II builds on the foundations established in Quantitative Methods I in the first term. We introduce the generalized linear model (GLM), and the idea of maximum likelihood as an estimation method, to help us model new kinds of outcome variables such as yes/no (logit), categories (multinomial), and counts (poisson). Students will also be introduced to alternative approaches to modelling errors, as well as quasi-experimental designs which are increasingly common in the social sciences. We will also improve our skills as data scientists through hands-on experience of working on data projects and attempting to replicate the work of others. Students will be assessed through a combination of problem sets, group project work and an individual replication presentation.