6 ECTS

14P018

Topics in Applied Econometrics for Public Policy

Overview and Objectives

This course provides some extensions of the econometric methods discussed in Econometrics and Quantitative Methods for Policy Evaluation. The emphasis is on the empirical application of these techniques to analyze public policy issues using real data and the econometric package *Stata*.

Objective of the course

To emphasize the importance of the choice of the adequate econometric techniques depending on the model we specify and the data we use to estimate that model.
To pay special attention to the interpretation of the estimation results by using empirical exercises.

Requirements

Econometrics and Quantitative Methods for Policy Evaluation or any other course with similar contents.

Course Outline

1. Multinomial discrete choice models (I). Multinomial Logit and extensions
2. Multinomial discrete choice models (I). Other specific models and panel data
3. Limited dependent variables models (I). Tobit model
4. Limited dependent variables models (II). Extensions and count data models
5. Duration models

Required Activities

Practical exercises with real data using *Stata*, expected to be done in groups of 2-3 people.

Evaluation

Assignments (25%), exam (75%). To pass the course the student should obtain a minimum of 50 out of 100 points with a minimum of 30 points from the exam.

Materials

- Jones, A., *Applied Econometrics for Health Economists: A Practical Guide*, Radcliffe Publishing, 2007 (basic)
- Jones, A., Rice, N., Bago d'Uva, T. and Balia, S., *Applied Health Economics*, Routledge, 2013 (basic)
- Greene, W.H., *Econometric Analysis*, Prentice Hall, 2008 (intermediate)
- Cameron, A.C. and Trivedi, P.K., *Microeconometrics. Methods and Applications*, Cambridge University Press, 2005 (advanced)