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MY452 Half Unit Applied Regression Analysis

This information is for the 2014/15 session.

Teacher responsible

Dr Benjamin Lauderdale Col.8.10 and Dr Dominik Hangartner Col.8.03

Availability

This course is compulsory on the MSc in Political Science and Political Economy and MSc in Sociology (Research). This course is available on the MRes Political Science, MRes/PhD Political Science (Qualitative stream B), MRes/PhD Political Science (Quantitative stream A), MSc in Comparative Politics, MSc in Gender (Research), MSc in International Health Policy, MSc in International Health Policy (Health Economics), MSc in Local Economic Development, MSc in Management, MSc in Management (CEMS MIM), MSc in Organisational Behaviour, MSc in Politics and Government in the European Union, MSc in Politics and Government in the European Union (LSE and Sciences Po), MSc in Public Policy and Administration, MSc in Social Anthropology (Research), MSc in Social Research Methods and MSc in Urban Policy (LSE and Sciences Po). This course is available with permission as an outside option to students on other programmes where regulations permit.

Pre-requisites

Students must have completed CP-MY451.

Students are required to have completed MY451 or an equivalent level statistics course

Course content

The course is designed for students with a good working knowledge of elementary descriptive statistics; sampling distributions; one and two sample tests for means and proportions; correlation and the linear regression model with one or more predictor variables. The course is concerned with deepening the understanding of the generalized linear model and its application to social science data. The main topics covered are linear regression modelling and binary, multinomial and ordinal logistic regression. Class exercises and homework will be carried out using the Stata or SPSS package, according to the student's choice.

Teaching

20 hours of lectures and 9 hours of computer workshops in the MT. 20 hours of lectures and 9 hours of computer workshops in the LT.

This course is given twice per session, starting in the second week of each of the MT and LT. Students must either register for MY452M which is taught in Michaelmas Term, or MY452L which is taught in Lent Term.

Formative coursework

Weekly assignments are required.

Indicative reading

A Agresti & B Finlay, Statistical Methods for the Social Sciences. A course pack will be provided at the beginning of the course and additional reading will be recommended.

Assessment

Exam (100%, duration: 2 hours) in the main exam period.

A two-hour open book unseen examination in ST.

Key facts

Department: Methodology

Total students 2013/14: 216

Average class size 2013/14: 27

Controlled access 2013/14: No

Lecture capture used 2013/14: No

Value: Half Unit

[Guidelines for interpreting course guide information](#)