

COURSE DETAIL

MULTI-LEVEL MODELLING IN SOCIAL SCIENCE

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

150

UCEAP Course Suffix**UCEAP Official Title**

MULTI-LEVEL MODELLING IN SOCIAL SCIENCE

UCEAP Transcript Title

MULTI-LEVEL MODEL

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

The course enables students to understand and use multilevel models mainly in the context of social science, but examples are also given from medicine and some aspects of biological science. The focus is on multilevel models for quantitative, binary, and multinomial outcomes, with further sessions on models for ordinal and count outcomes. The importance of multilevel modelling for longitudinal data is explained. Analysis is conducted using the Noteable service and the R Stan statistical modelling package, which is free to all users.

Language(s) of Instruction

English

Host Institution Course Number

SSPS10024

Host Institution Course Title

MULTI-LEVEL MODELLING IN SOCIAL SCIENCE

Host Institution Campus

Host Institution Faculty

School of Social and Political Science

Host Institution Degree

Host Institution Department

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