COURSE DETAIL

STATISTICAL METHODS FOR MULTIVARIATE DATA IN SOCIAL SCIENCE RESEARCH

Country United Kingdom - England

Host Institution London School of Economics

Program(s) Summer at London School of Economics

UCEAP Course Level Upper Division

UCEAP Subject Area(s) Statistics

UCEAP Course Number 115

UCEAP Course Suffix

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UCEAP Official Title STATISTICAL METHODS FOR MULTIVARIATE DATA IN SOCIAL SCIENCE RESEARCH

UCEAP Transcript Title STATISTICAL METHODS

UCEAP Quarter Units

5.50

UCEAP Semester Units 3.70

Course Description

This course covers multivariate methods and their applications in the social sciences. It provides an overview of multivariate methods and then focuses on latent variable models and structural equation models for continuous and categorical observed variables, and their use in measurement and in modelling complex substantive hypothesis in the social sciences. This course is suitable for advanced undergraduates, as well as postgraduate and academic staff in applied statistics, medicine, and in social and behavioral sciences as well as government employees and people working in marketing, management, public health and banking. The course is largely self-contained and reviews the necessary mathematical concepts. No previous knowledge of latent variable analysis, structural equation modelling, or of any particular software is required.

Language(s) of Instruction

English

Host Institution Course Number ME303

Host Institution Course Title

STATISTICAL METHODS FOR MULTIVARIATE DATA IN SOCIAL SCIENCE RESEARCH

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department Department of Statistics

<u>Print</u>