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
S

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 Course Details

Host Institution Campus
LSE

Host Institution Faculty

Host Institution Degree

Host Institution Department
Department of Statistics

Course Last Reviewed

Print