

# 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

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