

LSE Methods Summer Programme (15-26 August, 2016)

Courses on the programme are designed to introduce participants to a particular method and to develop through a series of lectures and practical exercises a deeper and useful knowledge of that method; to know when it is well indicated, to understand its conceptual underpinnings, and to gain experience of the method in practice and the interpretation of the results. All courses are taught by world-class academics steeped in experience of social research and with an enthusiasm for the subject.

The optional courses are as follows:

Two-week long courses:

- Intermediate Econometrics (15-26 August, 2016)
- Survey Research Methods: From Design to Analysis (15-26 August, 2016)
- Qualitative Research Methods (15-26 August, 2016)
- Statistical Methods for Social Research SPSS (15-26 August, 2016)
- Introduction to Data Science and Big Data Analytics (15-26 August, 2016)

How to contact us

Teri Dunn
Programme Executive

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[Register your interest here](#)

ME307 Intermediate Econometrics



Overview

Outline

Testimonials

The typical introductory econometrics course is mostly confined to the Classical Linear Regression Model. It may also cover a few advanced topics, but with eclectic choice and superficial treatment. This course aims to build a solid, comprehensive understanding of the use of the regression model when one progresses from the CLRM, with its strong and unrealistic assumptions, and addresses the issues that researchers encounter in practice.

This course is designed for those who have already taken an introductory course covering the CLRM and need to develop their skills to the next level. The course is not suitable for those whose only exposure to econometrics has been as part of a statistics course.

Course benefits

Students will have an advanced understanding of the use of the regression model beyond the CLRM. They should then be able to apply econometric techniques to real-world issues. The course also serves as preparation for an MSc level econometrics course.

Prerequisites

At least one semester of mathematical statistics with a serious analytical treatment of estimation and inference, and at least one semester of multivariate calculus, both passed at a respectable standard. The CLRM foundation is a mandatory prerequisite and applicants should be careful to provide evidence of meeting it.

Apply now



Course details

Dates

15-26 August 2016

Format

Lectures, practical classes

Assessment

2-hour examination (optional)

Location

LSE's Central London Campus

Teaching faculty

Dr Christopher Dougherty
Department of Statistics

2016 Tuition fees

Student rate: £1,435

Academic staff/charity rate: £2,030

Professional rate: £2,550



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ME401 Survey Research Methods: From Design to Analysis



Overview

Outline

Teaching faculty

The social survey is a core methodology in the social sciences. Surveys allow researchers to measure attitudes, behaviours, values and norms. This means that survey data can be used to study a wide variety of research questions: including questions about variation between groups or variation over time.

This course will provide participants with a comprehensive understanding of survey research methods. It will focus on all aspects of the survey research process, from the design of surveys prior to data collection, up to and including the analysis of survey data and reporting of results. Participants will develop specialist knowledge about a range of issues, including different sources of bias, response psychology, measurement theory, and non-response.

By the end of the course, participants will have a greater ability to critically evaluate survey-based research, including both academic and non-academic publications. In addition, the course will provide a dynamic environment in which to develop a range of practical and technical skills. This includes the ability to design high quality surveys, and the confidence to analyse and interpret complex survey data using different statistical techniques. The aim is that participants will continue to benefit from the course throughout their careers, whether as consumers, users, or producers of research.

Apply now



Course details

Dates

15-26 August 2016

Format

Lectures (25 hours)
Practical classes (18 hours)

Assessment

2-hour examination (optional)

Location

LSE's Central London Campus

Teaching faculty

Ben Wilson
Department of Methodology

2016 Tuition fees

Student rate: £1,435
Academic staff/charity rate: £2,030
Professional rate: £2,550



Course Suitability

This course is ideal for advanced undergraduate students, graduate students, early-career academic researchers, and researchers in the public and private sector.

Course Benefits

Participants will:

- Gain a comprehensive understanding of the entire survey research process.
- Be able to assess the quality of (1) existing surveys, (2) survey data analysis, and (3) reporting about the results of surveys – e.g. in published research.
- Gain the ability to carry out or commission high quality surveys.
- Gain an in-depth understanding of the different ways of conducting survey research, including face-to-face, internet, postal and telephone surveys.
- Learn about the fundamental links between concepts, measures and empirical data in the context of survey research. This includes how to define constructs, how to measure these constructs, and how to design questionnaires in order to minimise bias.
- Learn about survey data analysis, and gain practical experience of analysing survey data using regression models that take account of different aspects of survey design such as stratification and non-response.

Prerequisites

Understanding of basic descriptive statistics and inference (e.g. t-tests, simple linear regression)



You may also be interested in...
**Statistical Methods for Social Research
using SPSS**
(15-26 August 2016)

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ME405 Qualitative Research Methods

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[Register your interest here](#)



Overview

Outline

Testimonials

The purpose of this course is to equip students to sensitively and critically design, carry out, report, read, and evaluate qualitative research projects. It is taught by a team of qualitative research experts, who regularly use the methods which they teach, making the course particularly practical and realistic. It covers the full cycle of a qualitative research project, from design, to data collection, analysis, reporting and disseminating. The course has the dual aims of equipping students with both conceptual understandings of current academic debates regarding different methods, and the practical skills to put those methods into practice.

This course is ideal for postgraduates, academics and professionals with an interest in using qualitative methods to undertake social research.

Course benefits

This course will provide students with:

- a solid understanding of the core methods of qualitative data collection and analysis
- critical skills in interpreting and evaluating reports of qualitative studies
- experience in putting qualitative skills into practice
- realistic and practical teaching from established researchers who put these tools to use in their ongoing research projects

Apply now



Course details

Dates

15-26 August 2016

Format

Lectures, classes and practical exercises

Assessment

2-hour examination (optional)

Location

LSE's Central London Campus

Teaching faculty

Dr Aude Biquelet

Department of Methodology

2016 Tuition fees

Student rate: £1,435

Academic staff/charity rate: £2,030

Professional rate: £2,550



Prerequisites

The course assumes little or no knowledge of qualitative methods. There are no formal prerequisites, however applicants should be at postgraduate level or higher.

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You may also be interested in...

Ethnographic Methods and Practice

(This course will next take place in Summer 2017)

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ME408 Statistical Methods for Social Research using SPSS



Overview

Outline

Testimonials

For those undertaking research in the social sciences, an ability to handle data is an essential skill. Many researchers in the social sciences use SPSS to perform data analysis, but often formal training in use of the software and how to interpret output is severely lacking. This course concentrates on transforming participants into competent and confident users of SPSS to enable them to conduct independent data analysis for their own research needs.

Statistical Methods for Social Research using SPSS takes a more applied approach to conventional statistics by focusing on encouraging participants to "get their hands dirty with data". Instead of being purely theory-oriented, emphasis will be more on the practical application of a variety of statistical techniques to supplied datasets.

Working with datasets, the course will cover widely-used statistical methods including descriptive statistics, data visualisation, statistical inference, categorical data, correlation and regression, analysis of variance and multivariate analysis (such as factor analysis).

This applications-oriented course is designed for researchers who lack the confidence to perform data analysis independently due to:

- a lack of understanding of various statistical methods

Apply now



Course details

Dates

15-26 August 2016

Format

Lectures, practical classes

Assessment

2-hour examination (optional)

Location

LSE's Central London Campus

Teaching faculty

Dr James Abdey

Department of Statistics

2016 Tuition fees

Student rate: £1,435

Academic staff/charity rate: £2,030

Professional rate: £2,550



- not knowing which techniques are appropriate for different types of data
- inexperience with using statistical software packages (specifically SPSS here)
- not knowing how to interpret output from software packages and what conclusions can be drawn.

Course benefits:

After successful completion of the course, participants should be able to:

- perform independent data analysis in the social sciences
- determine which statistical method is appropriate in a given situation and be able to discuss the merits and limitations of a particular method
- use SPSS to analyse datasets and be able to interpret output
- draw appropriate conclusions following empirical analysis

Prerequisites

A foundation course in statistics at undergraduate level is recommended.



You may also be interested in...
Qualitative Research Methods
(15-26 August 2016)

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[Register your interest here](#)

ME414 Introduction to Data Science and Big Data Analytics



Overview

Outline

Teaching Faculty

Data Science and Big Data Analytics are exciting new areas that combine scientific inquiry, statistical knowledge, substantive expertise, and computer programming. One of the main challenges for businesses and policy makers when using big data is to find people with the appropriate skills. Good data science requires experts that combine substantive knowledge with data analytical skills, which makes it a prime area for social scientists with an interest in quantitative methods. This course integrates prior training in quantitative methods (statistics) and coding with substantive expertise and introduces the fundamental concepts and techniques of Data Science and Big Data Analytics.

Typical students will be Masters and PhD students from any field requiring the fundamentals of data science or working with typically large datasets and databases. Practitioners from industry, government, or research organisations with some basic training in quantitative analysis or computer programming are also welcome. Because this course surveys diverse techniques and methods, it makes an ideal foundation for more advanced or more specific training. Our applications are drawn from social, political, economic, legal, and business and marketing fields, rather than engineering or other sciences.

Apply now



Course details

Dates

15-26 August 2016

Format

Lectures, practical classes

Assessment

Problem sets
2-hour examination (optional)

Location

LSE's Central London Campus

Teaching faculty

Professor Kenneth Benoit
Department of Methodology
Dr Slava Mikhaylov
University College London

2016 Tuition fees

Student rate: £1,435
Academic staff/charity rate: £2,030
Professional rate: £2,550

Course benefits

This course provides participants with:

- an understanding of the structure of datasets and databases, including "big data"
- the ability to work with datasets and databases
- an introduction to programming languages and basic skills in the R statistical program
- the ability to analyse data using statistical and machine learning methods.

Prerequisites

Students should already be familiar with quantitative methods at an introductory level, up to linear regression analysis. Familiarity with computer programming or database structures is a benefit, but not formally required.



You may also be interested in...

Factor Models in Time Series with Applications in Macroeconomics and Finance (22-26 August 2016)

Share:   

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Programme Executive

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[Register your interest here](#)

Accommodation

A limited number of rooms have been set aside at six LSE halls of residence for attendees of the 2016 Methods Summer Programme. All rooms are subject to availability and are not guaranteed, so early bookings are strongly advised.

Information on how to book rooms at the special rates below will be sent to applicants once they have been made an offer of a place on the programme.

Grosvenor House

All Grosvenor House prices include a hot breakfast.

- Single studio rooms with en-suite are available for £64.16 per night.
 - Twin/Double (single occupancy) en-suite rooms are available for £83.33 per night.
 - Twin/Double (double occupancy) en-suite rooms are available for £87.33 per night.
- [See more information about Grosvenor House.](#)

The residence is located on Drury Lane, in the heart of London's Theatre land, and within a 5-10 minute walk of the LSE campus and the lively Covent Garden. Oxford Street, Leicester Square and Soho are also within walking distance.

High Holborn

All High Holborn prices include a continental breakfast.

- Single basic rooms with shared bathroom are available for £37.50 per night.
- Single standard rooms with shared bathroom are available for £52.50 per night.
- Twin basic rooms with shared bathroom are available for £73.33 per night.

[See more information about High Holborn residence.](#)

The residence is situated a 5-10 minute walk away from the LSE campus, near the fashionable areas of Covent Garden and Soho. Oxford Street and Leicester Square are also within walking distance.

Bankside House

Bankside House prices include an English breakfast.

- Single Basic shared bathroom are available for £37.50 per night
- [See more information about Bankside House residence.](#)

2016 Courses



The residence is located in the historic borough of Southwark on the Thames' South Bank. A walk along the river will take you to the London Eye, the Houses of Parliament, St Paul's Cathedral, the Tate Modern, as well as the famous Borough Market. Bankside is a 25 minute walk from the School.

Passfield House

All Passfield House prices include an English breakfast.

- Single Basic shared bathroom are available for £37.50 per night.

[See more information about Passfield House residence.](#)

The residence is located in Bloomsbury, one mile from the LSE and just south of Euston station. It is in a quiet area, just a 20 minute walk or a choice of three different bus routes from the School. Passfield is well-placed for the West End and all of the main attractions of central London. The British Museum and British Library are only a short walk away.

Carr-Saunders (only available in Week 1)

All Carr-Saunders prices include an English breakfast.

- Single Basic shared bathroom are available for £37.50 per night

[See more information about Carr-Saunders residence.](#)

The residence is located just off Tottenham Court Road and very near to Oxford Street. It is well-placed for the West End and the main attractions of central London. Madame Tussauds and the British Museum are within easy reach, as well as shopping districts such as Covent Garden and Regent Street. Carr-Saunders is a 25 minute walk from the school.

Northumberland House (only available in Week 2)

All Northumberland House prices include a hot breakfast.

- Single en-suite rooms are available for £63.33 per night.

- Twin/Double (double occupancy) en-suite rooms are available for £87.33 per night

[See more information about Northumberland House.](#)

Northumberland House is located in a historic listed building just off Trafalgar Square, a 15 minute walk away from LSE.

Attendees are also free to arrange their own accommodation.

A 2-hour final examination will take place on the final day in which all Nanjing Audit University participants are expected to take and pass, qualifying them for the course certificate.

Application Requirements in brief:

- ✓ Fluency in English
- ✓ Good Academic Record (Relevant University transcripts and other relevant documents)
- ✓ Demonstration of meeting course prerequisites specifically identified by certain courses (see course descriptions for details)

For more information about the outline and testimonials of the courses, please find details on:

<http://www.lse.ac.uk/study/summerSchools/Methods/home.aspx>