

# COURSE DETAIL

## DATA FOR DATA SCIENTISTS

**Country**

United Kingdom - England

**Host Institution**

London School of Economics

**Program(s)**

London School of Economics

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Statistics Computer Science

**UCEAP Course Number**

141

**UCEAP Course Suffix****UCEAP Official Title**

DATA FOR DATA SCIENTISTS

**UCEAP Transcript Title**

DATA/DATA SCIENTIST

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Data science and machine learning 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 extends the foundation of probability and statistics with an introduction to the most important concepts in applied machine learning, with social science examples. It covers the main analytical methods from this field with hands-on applications using example datasets, so that students gain experience with and confidence in using the methods covered.

### Language(s) of Instruction

English

### Host Institution Course Number

DS202W

### Host Institution Course Title

DATA FOR DATA SCIENTISTS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Data Science

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