

# COURSE DETAIL

## INTRODUCTION TO DATA SCIENCE AND MACHINE LEARNING

**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 Computer Science

**UCEAP Course Number**

157

**UCEAP Course Suffix**

S

**UCEAP Official Title**

INTRODUCTION TO DATA SCIENCE AND MACHINE LEARNING

**UCEAP Transcript Title**

DATA SCI&MACH LEARN

**UCEAP Quarter Units**

5.50

**UCEAP Semester Units**

3.70

### Course Description

This course provides an introduction to the quantitative analysis of data, blending classical statistical methods with recent advances in computational, and machine learning. Students cover key topics such as the challenges of analyzing big data using statistical methods, and how machine learning and data science can aid in knowledge generation and improve decision-making. Students also explore quantitative methods of text analysis, including mining social media and other online resources.

### Language(s) of Instruction

English

### Host Institution Course Number

ME314

### Host Institution Course Title

INTRODUCTION TO DATA SCIENCE AND MACHINE LEARNING

### Host Institution Course Details

<https://www.lse.ac.uk/study-at-lse/summer-schools/summer-school/courses/research...>

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Data Science Institute

### Course Last Reviewed

2024-2025

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