COURSE DETAIL

DATA SCIENCE FOR SOCIAL 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) Computer Science
UCEAP Course Number 102
UCEAP Course Suffix
UCEAP Official Title DATA SCIENCE FOR SOCIAL SCIENTISTS
UCEAP Transcript Title DATA SCI SOC SCIENT
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
DS202

Host Institution Course Title
DATA SCIENCE FOR SOCIAL SCIENTISTS

Host Institution Course Details
https://www.lse.ac.uk/resources/calendar2022-2023/courseGuides/DS/2022_DS202.htm

Host Institution Campus
London School of Economics

Host Institution Faculty

Host Institution Degree

Host Institution Department
Data Science Institute

Course Last Reviewed
2022-2023

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