

COURSE DETAIL

DATA SCIENCE IN ECONOMICS

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

153

UCEAP Course Suffix**UCEAP Official Title**

DATA SCIENCE IN ECONOMICS

UCEAP Transcript Title

DATA SCI IN ECON

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

Data science concerns the analysis of Big Data and is fast becoming an essential part of an economist's toolkit. Taking standard linear regression analysis as a starting point, this course introduces principles and methods from Machine Learning that enable economic analysis of Big Data. Machine Learning is focused on extracting information from complex data and automatically building good predictions. All analysis is conducted in R, an open-source statistical language for data analysis that is widely used in industry, government, and academia. Note: All students enrolled on this course are required to bring a laptop with them to tutorial sessions, in order to take part fully in teaching. If you do not own a laptop, the School encourages you to explore the University's laptop loan scheme.

Language(s) of Instruction

English

Host Institution Course Number

ECNM10109

Host Institution Course Title

DATA SCIENCE IN ECONOMICS

Host Institution Course Details

<http://www.drps.ed.ac.uk/23-24/dpt/cxecnm10109.htm>

Host Institution Campus

Host Institution Faculty

School of Economics

Host Institution Degree

Host Institution Department

Course Last Reviewed

2023-2024

[Print](#)