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 Campus

Host Institution Faculty
School of Economics

Host Institution Degree

Host Institution Department

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