

COURSE DETAIL

STATISTICAL COMPUTING

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Mathematics

UCEAP Course Number

160

UCEAP Course Suffix**UCEAP Official Title**

STATISTICAL COMPUTING

UCEAP Transcript Title

STATISTCL COMPUTING

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course provides an introduction to programming within the statistical package R. Various computer-intensive statistical algorithms are discussed and their implementation in R is investigated. Topics to include basic commands of R (including plotting graphics); data structures and data manipulation; writing functions and scripts; optimizing functions in R; and programming statistical techniques and interpreting the results (including bootstrap algorithms).

Language(s) of Instruction

English

Host Institution Course Number

MATH10093

Host Institution Course Title

STATISTICAL COMPUTING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

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