

COURSE DETAIL

STATISTICAL LEARNING

Country

Australia

Host Institution

University of Queensland

Program(s)

University of Queensland

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

143

UCEAP Course Suffix**UCEAP Official Title**

STATISTICAL LEARNING

UCEAP Transcript Title

STATISTICAL LEARN

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines key ideas behind algorithms from a statistical perspective, and provide an in-depth knowledge that will enable students to apply the methods with awareness of their strengths and limitations. The topics covered will include probabilistic and analytic foundations, multivariate statistical analysis and machine learning, with a particular focus on clustering, classification, model selection and high-dimensional statistical analysis.

Language(s) of Instruction

English

Host Institution Course Number

STAT3006

Host Institution Course Title

STATISTICAL LEARNING

Host Institution Campus

St. Lucia

Host Institution Faculty

Host Institution Degree

Host Institution Department

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