

COURSE DETAIL

LINEAR STATISTICAL MODELS

Country

Australia

Host Institution

University of Melbourne

Program(s)

University of Melbourne

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

LINEAR STATISTICAL MODELS

UCEAP Transcript Title

LINEAR STAT MODELS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines an elegant unified theory that includes the estimation of model parameters, quadratic forms, hypothesis testing using analysis of variance, model selection, diagnostics on model assumptions, and prediction. Both full rank models and models that are not of full rank are considered. The theory is illustrated using common models and experimental designs.

Language(s) of Instruction

English

Host Institution Course Number

MAST30025

Host Institution Course Title

LINEAR STATISTICAL MODELS

Host Institution Course Details

<https://handbook.unimelb.edu.au/subjects/mast30025>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

[Print](#)