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

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