

COURSE DETAIL

DATA ANALYSIS

Country

Australia

Host Institution

University of Melbourne

Program(s)

University of Melbourne

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

50

UCEAP Course Suffix**UCEAP Official Title**

DATA ANALYSIS

UCEAP Transcript Title

DATA ANALYSIS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines the fundamental concepts of probability and statistics required for data analysis. Topics include sampling; introduction to experimental design; review of simple probability; estimation; confidence intervals; hypothesis testing including types of errors and power; inferences about means and proportions based on single and independent samples; matched pairs designs; introduction to nonparametric methods; contingency tables; regression; and analysis of variance.

Language(s) of Instruction

English

Host Institution Course Number

MAST10010

Host Institution Course Title

DATA ANALYSIS

Host Institution Course Details

<https://handbook.unimelb.edu.au/subjects/mast10010>

Host Institution Campus

Parkville

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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