

# 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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