

## In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



# PSYC14047 *Advanced Data Analysis*

## Term 2 - 2021

Profile information current as at 27/04/2024 01:54 pm

All details in this unit profile for PSYC14047 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

## General Information

### Overview

In this unit you will develop the analytical skills that are necessary for understanding and carrying out quantitative psychological research. You will examine theoretical information as well as develop in-depth practical knowledge and skills in using a computer-based statistical package through hands-on exercises.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 4*

Credit Points: 6

Student Contribution Band: 10

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Students must be enrolled in CC42 Bachelor of Psychological Science (Honours)

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

### Offerings For Term 2 - 2021

No offerings for PSYC14047

### Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

### Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### 1. **Online Quiz(zes)**

Weighting: 20%

#### 2. **Practical Assessment**

Weighting: 60%

#### 3. **Online Test**

Weighting: 20%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from Student feedback

##### Feedback

The textbook does not suit all students

##### Recommendation

The textbook is still an important part of the unit and is recommended for the students to have as a resource. Previously, the unit has relied heavily on the textbook. With new lecture and demonstration recordings, the unit is moving away from this reliance. The unit coordinator has explored dozens of other potential textbooks, and found that no one text covers everything that is required in this unit. The only other alternative is to recommend two or more textbooks, and this is not a viable alternative. The Field textbook is particularly useful both for this unit, because it contains a large amount of practice material, and also for studies and research going forward, because it contains a lot of information about alternative analyses when assumptions are violated, amongst other things. It is for these reasons that the textbook is still an important part of the unit, and is recommended, although complete reliance on the textbook has been minimised.

#### Feedback from Student feedback

##### Feedback

Zoom meetings are at a time that does not suit all students

##### Recommendation

The Zoom sessions will continue to be run outside of work hours in order to be accessible to as many students as possible and will be recorded. Students who cannot attend the session can ask questions before or after the Zoom session on the forums.

## Unit Learning Outcomes

### On successful completion of this unit, you will be able to:

1. Demonstrate an indepth knowledge of a variety of advanced statistical analytic techniques
2. Demonstrate the correct implementation of a variety of advanced statistical analytic techniques
3. Choose appropriate statistical analyses relevant to specific research designs.

Learning outcomes fulfil the level 2 pre-professional core competencies required by the updated Australian Psychology Accreditation Council (APAC) guidelines. The learning outcomes also meet the study criteria as specified by the Psychology Board of Australia (PsyBA) as appropriate for study at level 8 as stated by the Australian Qualifications Framework (AQF).

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Online Quiz(zes) - 20%	•	•	
2 - Practical Assessment - 60%		•	•

Assessment Tasks	Learning Outcomes		
	1	2	3
3 - Online Test - 20%	•		•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
1 - Communication		•	
2 - Problem Solving	•	•	•
3 - Critical Thinking	•	•	•
4 - Information Literacy	•	•	•
5 - Team Work			
6 - Information Technology Competence		•	•
7 - Cross Cultural Competence			
8 - Ethical practice			
9 - Social Innovation			
10 - Aboriginal and Torres Strait Islander Cultures			

### Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Quiz(zes) - 20%		•	•			•				
2 - Practical Assessment - 60%		•	•	•		•				
3 - Online Test - 20%	•	•	•							

## Textbooks and Resources

### Textbooks

PSYC14047

#### Prescribed

##### **Discovering statistics using IBM SPSS statistics**

Edition: 5th (2018)

Authors: Andy Field

Sage

London , UK

ISBN: 9781526419521

Binding: Paperback

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#### Supplementary

##### **SPSS Statistics : A Practical Guide**

Edition: 4th edn (2018)

Authors: Allen , Bennett & Heritage

Cengage Learning

Andover , UK

ISBN: 9780170421140

Binding: Paperback

#### Additional Textbook Information

Student will have purchased these texts in the previous unit PSYC13015.

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

## Referencing Style

Information for Referencing Style has not been released yet.

This unit profile has not yet been finalised.

## Teaching Contacts

Information for Teaching Contacts has not been released yet.

This unit profile has not yet been finalised.

## Assessment Tasks

Information for Assessment Tasks has not been released yet.

This unit profile has not yet been finalised.

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.