



# STAT8125

## Statistics Project

Session 2, Special circumstances 2021

*Archive (Pre-2022) - Department of Mathematics and Statistics*

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### Disclaimer

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### Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

Tania Prvan

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TBA

Credit points

10

Prerequisites

Admission to MAppStat and (40cp in BCA or STAT units at 8000 level)

Corequisites

(STAT806 or STAT810 or STAT8310 or STAT6110) and (STAT811 or STAT8111) and (STAT821 or STAT8121) and (STAT878 or STAT8178)

Co-badged status

Unit description

*This unit has an online offering for S2 which is **synchronous**, meaning there will be set times to attend online lectures and tutorials.*

This unit comprises a project which either reviews or develops an area of methodology or which discusses the use of statistical methods in a particular subject area.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

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

**ULO1:** apply appropriate statistical models/methods in planning and carrying out a significant statistical analysis project.

**ULO2:** demonstrate a deep understanding of statistical theory and methods.

**ULO3:** use modern statistical software packages in data analysis.

**ULO4:** communicate methods used and results obtained in a clear and concise manner suitable for a non-statistical audience.

**ULO5:** demonstrate the ability to undertake a statistics project independently.

## General Assessment Information

Submission of the Project Report is on iLearn via Turnitin. Late submission requires an approved Special Consideration.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Project Report</a>	100%	No	Week 13

### Project Report

Assessment Type <sup>1</sup>: Project

Indicative Time on Task <sup>2</sup>: 98 hours

Due: **Week 13**

Weighting: **100%**

Perform an analysis of a data set/simulation study and write a substantial report. Where appropriate a literature review should also be included.

On successful completion you will be able to:

- apply appropriate statistical models/methods in planning and carrying out a significant statistical analysis project.
- demonstrate a deep understanding of statistical theory and methods.
- use modern statistical software packages in data analysis.
- communicate methods used and results obtained in a clear and concise manner suitable for a non-statistical audience.
- demonstrate the ability to undertake a statistics project independently.

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<sup>1</sup> If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

<sup>2</sup> Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

## Delivery and Resources

In Week 1 a data set will be provided by the Unit Convenor.

Every student enrolled in this offering of the unit should meet with the Unit Convenor at the same designated time each week via Zoom. Attendance will be recorded.

In the weekly meeting the Unit Convenor will give individual and general feedback on some of the tasks. There will be no formal written feedback.

There is no group work in this unit.

## Unit Schedule

Week	Topic/Task
1	Project data set. Submit 2 research questions by 9 am Monday of Week 2.
2	Data cleaning.
3	Initial analysis.
4	Complete data summaries and preliminary analysis.
5	Complete initial write up of results.
6	Additional analyses? Complete before Week 7.
7	How to write up the results section. Report writing in general.
8	Complete the introduction, methods and results sections.
9	Additional work that needs to be completed.
10	Start first draft of the project report.
11	Submit the first draft of the project report on iLearn.
12	Submit the second draft of the project report on iLearn.
13	Last minute questions.

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)

- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

## Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

## Learning Skills

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.