STAT8125

Statistics Project

Session 1, Fully online/virtual 2021

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

Contents

Notice

As part of Phase 3 of our return to campus plan, most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to timetable viewer. To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff
Unit Convenor/Lecturer
Tania Prvan
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Contact via tania.prvan@mq.edu.au
12WW 629
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
Project Report	100%	No	Week 13

Project Report

Assessment Type [1]: Project
Indicative Time on Task [2]: 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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[1] 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.

[2] 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 project will be provided by the Unit Convenor. Students need to work in groups of size 2 to 4 people. There are no individual projects in this offering.

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.

Each group should submit the items listed in the **Unit Schedule** to the Unit Convenor to get feedback before the final submission of the project. In the weekly meeting the Unit Convenor will give individual and general feedback on the items. There will be no written feedback.

Only one Project Report is submitted by each group. The group part of the Project Report is worth 50%. It is a Macquarie University requirement that at least 50% of group work assessment should be allocated to individual performance. The individual performance contribution is worth 50% comprising 10% for participation and 40% for an individual two page report attached to the end of the Project Report in Appendix 1. The individual two page report should identify your individual research questions, the methodology used including why it was chosen and your results. You can refer to the main document in this individual two page report. Every student in the group needs to attach such a report in the Project Report.

Unit Schedule

Each group should submit the following deliverables to the Unit Convenor. In the weekly meeting the Unit Convenor will give individual and general feedback. There will be no written feedback.

Week	Deliverable
4	Submit data summaries and preliminary analysis on iLearn.
5	Submit initial write up of results on iLearn.
8	Submit write up of introduction, methods and results section on iLearn.
11	Submit first draft of completed report on iLearn.
12	Submit second draft of report on iLearn.

In the other weeks the weekly meeting will discuss the following topics.

Week	Topic
1	Project data set
2	Data cleaning
3	Initial analysis
6	Additional analyses? Complete before Week 7.
7	How to write up the results section. Report writing in general.

| 9 | Additional work that needs to be completed. |
| 13 | Last minute questions. |

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (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). 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) 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 or if you are a Global MBA student contact 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) 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

If you are a Global MBA student contact 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/.

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.