STAT8125

Statistics Project

Session 1, Online-scheduled-weekday 2023

School of Mathematical and Physical Sciences

Contents

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General Information

Unit convenor and teaching staff
Unit Convenor and lecturer
Tania Prvan
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Contact via tania.prvan@mq.edu.au
12 Wally's Walk Room 629
Please refer to iLearn

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 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

Requirements to Pass this Unit

To pass this unit you must:

- Attempt all assessments, and
- Achieve a total mark equal to or greater than 50%

Project Report Submission

Project Report submission will be online through the iLearn page.

Submit the Project Report online via the appropriate assignment link on the iLearn page. A title page is required which includes your name and Student ID as well as your project title. Read the submission statement carefully before accepting it as there are substantial penalties for making a false declaration.

- Project Report submission is via iLearn.
- Please make sure that your Project Report is word processed.
- You should upload one single PDF file.
- Please note the quick guide on how to upload your assignments provided on the iLearn page.
- If there are technical obstructions to your submission online, please email us to let us know.

You may submit as often as required prior to the due date/time. Please note that each submission will completely replace any previous submissions. It is in your best interest to make frequent submissions of your partially completed work as insurance against technical or other problems near the submission deadline.

Late Assessment Submission Penalty

Unless a Special Consideration request has been submitted and approved, a 5% penalty (of the total possible mark of the task) will be applied for each day a written report or presentation assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. The submission time for all uploaded assessments is **11:55 pm**. A 1-hour grace period will be provided to students who experience a technical concern.

Assessments where Late Submissions will be accepted

In this unit, late submissions will accepted as follows:

- Project Report – YES, Standard Late Penalty applies

Special Consideration

The Special Consideration Policy aims to support students who have been impacted by short-

term circumstances or events that are serious, unavoidable and significantly disruptive, and which may affect their performance in assessment. If you experience circumstances or events that affect your ability to complete the assessments in this unit on time, please inform the convenor and submit a Special Consideration request through ask.mq.edu.au.

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.

[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

There is one one hour SGTA each week. **SGTAs begin in Week 1.**

In addition to the one hour SGTA there are sometimes online resources which should be viewed.

SGTA

The SGTA is held online as scheduled in the time table. The Zoom links can be be found on iLearn.

COVID Information

For the latest information on the University's response to COVID-19, please refer to the Coronavirus infection page on the Macquarie website: https://www.mq.edu.au/about/coronavirus-faqs. Remember to check this page regularly in case the information and requirements change during semester. If there are any changes to this unit in relation to COVID, these will be communicated via iLearn.

Methods of Communication

We will communicate with you via your university email or through announcements on iLearn. Queries to the convenor can either be placed on the iLearn discussion board or sent to tania.prvan@mq.edu.au from your **university email** address.

Unit Schedule

Week	Topic/Task
1	Project data set. Submit 2 research questions before Week 2.
2	Data cleaning.
3	Initial analysis.
4	Complete data summaries and preliminary analysis.
5	Complete initial write up of results. Submit on iLearn.
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). 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
- Assessment Procedure
- Complaints Resolution 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

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

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

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the 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

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues
- Student Advocacy provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via AskMQ, or contact Service Connect.

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.