STAT7911

Research Topic in Statistics 1

Session 2, Special circumstance 2020

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 ot her small group learning activities on campus for the second half-year, while keeping an online ver sion available for those students unable to return or those who choose to continue their studies onli ne.

To check the availability of face-to-face and onlin e activities for your unit, please go to timetable vi ewer. To check detailed information on unit asses sments visit your unit's iLearn space or consult yo ur unit convenor.

General Information

Unit convenor and teaching staff
Convenor
Thomas Fung
thomas.fung@mq.edu.au
Contact via via Email
Room 6.26 Level 6, 12 Wally's Walk (E7A)
See iLearn for details

Credit points
10

Prerequisites
Admission to MRes

Corequisites

Co-badged status

Unit description
This is one of six units in the Master of Research program that provides students with the necessary statistical knowledge and skills for undertaking statistical research. Subject areas will be covered by way of: development of relevant statistical and mathematical material; computing implementation (if appropriate); review of current state of the topic area, including reading, synthesis and presentation of current literature; application to problem solving.

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: develop relevant statistical material (if appropriate).

ULO2: implement computational algorithm (if appropriate).

ULO3: synthesise literature and apply the methodology to solve problems (if appropriate).

ULO4: demonstrate the set of knowledge, skills and the application of knowledge and skills a person has acquired as listed in other unit guides (if appropriate).

General Assessment Information

Please refer to iLearn for details.

Assessment Tasks

Name	Weighting	Hurdle	Due
Task 1	20%	No	see iLearn for details
Task 2	20%	No	see iLearn for details
Task 3	60%	No	see iLearn for details

Task 1

Assessment Type [1]: Quantitative analysis task
Indicative Time on Task [2]: 20 hours
Due: **see iLearn for details**
Weighting: **20%**

Assessment tasks and their weighting to be determined so that assessments are aligned with the Learning Outcomes of the unit or as listed in unit guides where other units are being undertaken. Minimum 3 tasks required, with a maximum of 60% weighting for any one task.

On successful completion you will be able to:

- develop relevant statistical material (if appropriate).
- implement computational algorithm (if appropriate).
- synthesise literature and apply the methodology to solve problems (if appropriate).
- demonstrate the set of knowledge, skills and the application of knowledge and skills a person has acquired as listed in other unit guides (if appropriate).

Task 2

Assessment Type [1]: Quantitative analysis task
Indicative Time on Task [2]: 20 hours
Due: **see iLearn for details**
Weighting: **20%**

Assessment tasks and their weighting to be determined so that assessments are aligned with the Learning Outcomes of the unit or as listed in unit guides where other units are being undertaken. Minimum 3 tasks required, with a maximum of 60% weighting for any one task.

On successful completion you will be able to:

- develop relevant statistical material (if appropriate).

- implement computational algorithm (if appropriate).
- synthesise literature and apply the methodology to solve problems (if appropriate).
- demonstrate the set of knowledge, skills and the application of knowledge and skills a person has acquired as listed in other unit guides (if appropriate).

Task 3

Assessment Type [1]: Quantitative analysis task
Indicative Time on Task [2]: 20 hours
Due: **see iLearn for details**
Weighting: **60%**

Assessment tasks and their weighting to be determined so that assessments are aligned with the Learning Outcomes of the unit or as listed in unit guides where other units are being undertaken. Minimum 3 tasks required, with a maximum of 60% weighting for any one task.

On successful completion you will be able to:

- develop relevant statistical material (if appropriate).
- implement computational algorithm (if appropriate).
- synthesise literature and apply the methodology to solve problems (if appropriate).
- demonstrate the set of knowledge, skills and the application of knowledge and skills a person has acquired as listed in other unit guides (if appropriate).

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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

Please refer to iLearn for details.

Unit Schedule

Please refer to iLearn for details.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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 *(**Note:** The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)*

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

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/study/getting-started/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.