BUSA6004

Managing Data

Session 1, Online-scheduled-weekday 2022

Department of Actuarial Studies and Business Analytics

Contents

General Information

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Credit points 10
Prerequisites Admission to MMgmt
Corequisites
Co-badged status
Unit description This unit provides the quantitative/statistical research tools, data analysis and computer modelling necessary to assist managers with strategic planning, tactical decision-making, and resolving business problems. Students will develop research skills to solve problems.

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: Identify and describe models of managing data.

ULO2: Use quantitative research tools to assess the implications of strategic decisions from a whole of entity perspective and across a range of stakeholders.

ULO3: Apply a range of research tools and models of business performance and productivity to measure and track sustainable value creation across organisational processes and projects.

General Assessment Information

Late submissions of assessments Unless a Special Consideration request has been submitted and approved, no extensions will be granted. There will be a deduction of 10% of the total available assessment-task marks made from the total awarded mark for each 24-hour period or part thereof that the submission is late. Late submissions will only be accepted up to 96 hours after the due date and time.

No late submissions will be accepted for timed assessments – e.g., quizzes, online tests.

Table 1: Penalty calculation based on submission time

Submission time after the due date (including weekends)	Penalty (% of available assessment task mark)	Example: for a non-timed assessment task marked out of 30
< 24 hours	10%	10% x 30 marks = 3-mark deduction
24-48 hours	20%	20% x 30 marks = 6-mark deduction
48-72 hours	30%	30% x 30 marks = 9-mark deduction
72-96 hours	40%	40% x 30 marks = 12-mark deduction
> 96 hours	100%	Assignment won't be accepted

Special Consideration

To request an extension on the due date/time for a timed or non-timed assessment task, you must submit a Special Consideration application. An application for Special Consideration does not guarantee approval.

The approved extension date for a student becomes the new due date for that student. The late submission penalties above then apply as of the new due date.

Assessment Tasks

Name	Weighting	Hurdle	Due
Final Exam	60%	No	During the university examination period
Assignment	20%	No	Week 10
Online Quizzes	20%	No	Weeks 1 to 4

Final Exam

Assessment Type [1]: Examination
Indicative Time on Task [2]: 30 hours
Due: **During the university examination period**
Weighting: **60%**

The final examination is approximately 2 hours and to be held during the University exam time.

On successful completion you will be able to:

- Identify and describe models of managing data.
- Use quantitative research tools to assess the implications of strategic decisions from a whole of entity perspective and across a range of stakeholders.
- Apply a range of research tools and models of business performance and productivity to measure and track sustainable value creation across organisational processes and projects.

Assignment

Assessment Type [1]: Report
Indicative Time on Task [2]: 15 hours
Due: **Week 10**
Weighting: **20%**

Students are required to conduct quantitative and qualitative analysis and write a report of 1,500 - 2,000 words.

On successful completion you will be able to:

- Identify and describe models of managing data.
- Use quantitative research tools to assess the implications of strategic decisions from a whole of entity perspective and across a range of stakeholders.
- Apply a range of research tools and models of business performance and productivity to measure and track sustainable value creation across organisational processes and projects.

Online Quizzes

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 15 hours
Due: **Weeks 1 to 4**
Weighting: **20%**

Online quizzes will be held during the session.

On successful completion you will be able to:

- Identify and describe models of managing data.

- Use quantitative research tools to assess the implications of strategic decisions from a whole of entity perspective and across a range of stakeholders.
- Apply a range of research tools and models of business performance and productivity to measure and track sustainable value creation across organisational processes and projects.

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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

Delivery

Please refer to iLearn for details

Prescribed Textbook

Croucher, John. S. (2018). Quantitative Analysis for Management, 6th edition. McGraw- Hill Education. ISBN: 9781760425029

Hard copy or e-copy (preferred) is recommended. A discount code is provided to all students under unit information and resource

Additional recommended texts

The texts listed below are optional only. It is not compulsory to attain a copy.

Croucher, John S. (2016). Introductory mathematics and statistics for business (6th edition-revised). McGraw-Hill.

Render, B., Stair, R., Hanna, M.E. and Hale, T.S. (2015). Quantitative analysis for management (12th edition). Pearson.

Bowerman, B.L., O'Connell, R. and Murphree, E. (2013). Business statistics in practice (7th edition). McGraw-Hill

Unit Schedule

Please refer to iLearn for detail information.

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 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.