

# MATH 7015 STATISTICS FOR ACCOUNTANTS (PG)

**Credit Points** 10

**Legacy Code** 200424

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**Description** Statistics for Accountants introduces the basic concepts and techniques for statistical inference and decision making in a business context.

**School** Computer, Data & Math Sciences

**Discipline** Statistics

**Student Contribution Band** HECS Band 1 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Postgraduate Coursework Level 7 subject

## Restrictions

Students must be enrolled in a postgraduate Business program.

## Assumed Knowledge

Mathematics to the HSC level.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. organise, summarise and graph data appropriately;
2. apply probability and risk measures to solve business decision making problems;
3. formulate economic and financial hypotheses into statistically testable forms and carry out tests of hypotheses accordingly;
4. derive confidence intervals for unknown population parameters
5. identify the underlying assumptions associated with each statistical technique; be able to carry out the technique and interpret the results
6. employ appropriate statistical methods and techniques for statistical analysis and forecasting;
7. use one or more statistical analysis packages.

## Subject Content

Data presentation, descriptive statistics and index numbers

Probability, probability distributions and decision analysis

Sampling distributions

Statistical inferences - estimation

Statistical inferences - hypothesis testing

Linear regression and correlation analysis

Analysis of categorical data

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Quiz	50 minutes	15	N	Individual	Y
Quiz	50 minutes	15	N	Individual	Y
Practical	50 minutes	20	N	Individual	Y
Final Exam	2 hours	50	N	Individual	Y

Prescribed Texts

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