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

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.

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

Prescribed Texts

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Teaching Periods