

Module Documentation



STAT06006

Statistics for Business

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STAT06006

Statistics for Business

Short Title	Statistics for Business		
Full Title	Statistics for Business		
Attendance	N/A	Discipline	462 STATISTICS
Coordinator	Clare OGrady	Department	Business
Official Code	STAT06006	NFQ Level	06
		ECTS Credit	05

Module Description

This module is intended to provide students with an introduction to a range of basic quantitative, statistical, analytic and computational skills and techniques which are of relevance in the business environment.

Learning Outcomes

On completion of this module the learner will/should be able to

1. Calculate statistical data and represent this diagrammatically.
2. Use time series modeling to identify data trends and to make business forecasts.
3. Calculate expectation and probability to solve practical business problems.
4. Demonstrate an understanding of the wide applicability of quantitative techniques in business.
5. Apply statistical and quantitative techniques to solve problems in business.

Teaching and Learning Strategies

This module will be delivered by lectures, using tutorials to apply and reinforce student learning.

Assessment Strategies

20% Continuous Assessment

80% Final Exam

Repeat Assessment Procedures

100% 2 hour Repeat written exam.

Assessment Facilities

n/a

Module Dependencies

Prerequisite Modules

None

Corequisite Modules

None

Incompatible Modules

None

Indicative Syllabus**Basic Arithmetic Operations: Fractions, Decimals, Percentages, Sequences, Indices and logarithms: (10%)****Probability:**

- Introduction to probability
- Conditional probability and expectation
- Combinations and permutations
- Binomial and Normal distributions

Descriptive Statistics:

- Calculation of Mean/Median/Mode/Standard Deviation
- Tabulation of Data
- Frequency Distribution
- Representing Data Diagrammatically
- Data Collection and Sampling
- Interpreting Statistical Charts and Graphs

Forecasting using Time Series:

- Graphing of time series
- Moving average
- Simple exponential smoothing
- The additive times series model
- Calculating the trend and seasonal variation.

Forecasting using Regression

- Simple linear regression
- Interpret the regression equation
- Calculate and interpret the coefficient of correlation

CourseWork / Assessment Breakdown

CourseWork / Continuous Assessment 20 %

End of Semester / Year Formal Examination 80 %

Coursework Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Class Assessment	1,2,3,4,5	20	OnGoing

End Exam Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Final Exam	1,2,3,4,5	80	End of Term

ACCS Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Open Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Distance Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Part Time Mode Workload

Type	Location	Description	Hours	Frequency
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Avg Wkly
Wrkld

Total Average Weekly Learner Workload 0.00 Hours

Full Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Lecture	Not Specified	Lecture	3	Weekly	3.00
Tutorial	Not Specified	tutorial	1	Weekly	1.00

Total Average Weekly Learner Workload 4.00 Hours

Online Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Module Resources

Module Book Resources

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Module Alternate Book Resources

None

Module Other Resources

None

Module URLs

None

Additional Information

None

ISBN BookList

Book Details

Louise Swift 2010 *Quantitative Methods: For Business, Management and Finance* Palgrave Macmillan

ISBN-10 0230218245 ISBN-13 9780230218246

Clare Morris 2008 *Quantitative Approaches in Business Studies* Financial Times Management
ISBN-10 0273708899 ISBN-13 9780273708896

Mik Wisniewski 2010 *Quantitative Methods for Decision Makers with MathXL (5th Edition)*
Prentice Hall
ISBN-10 0273739468 ISBN-13 9780273739463

Les Oakshott 2012 *Essential Quantitative Methods: For Business, Management and Finance*
Palgrave Macmillan
ISBN-10 0230302661 ISBN-13 9780230302662

Clare Morris 2007 *Essential Maths for Business and Management* Palgrave Macmillan
ISBN-10 1403916101 ISBN-13 9781403916105

Sonia Taylor 2007 *Business Statistics: for Non-Mathematicians* Palgrave Macmillan
ISBN-10 0230506461 ISBN-13 9780230506466

Approval Information

School Approval by Carmel Brennan on 27-03-2015

Academic Council on 01-04-2015

Programme Membership

Code	Intake Year	Programme Title
GA_BBISG_H08	201500	Bachelor of Science (Honours) in Business Information Systems
GA_BBENG_H08	201500	Bachelor of Business (Honours) with Entrepreneurship
GA_BBUSG_B07	201500	Bachelor of Business
GA_BBUSI_C06	201500	Higher Certificate in Business
GA_BMASG_B07	201500	Bachelor of Business in Marketing and Sales
GA_BFING_H08	201500	Bachelor of Business (Honours) in Finance and Economics
GA_BWITH_H08	201500	Bachelor of Business (Honours) with a European Language
GA_BRURA_H08	201500	Bachelor of Business (Honours) in Rural Enterprise and Agri-business
GA_BFING_B07	201500	Bachelor of Business in Finance
GA_BMASG_H08	201500	Bachelor of Business (Honours) in Marketing and Sales
GA_BRURA_B07	201500	Bachelor of Business in Rural Enterprise and Agri-business
GA_BRURA_C06	201500	Higher Certificate in Business in Rural Enterprise and Agri-business
GA_BHUMA_B07	201500	Bachelor of Business in Human Resources
GA_BWITH_B07	201500	Bachelor of Business with a European Language
GA_BHUMA_H08	201500	Bachelor of Business (Honours) in Human Resources
GA_BBISG_B07	201500	

		Bachelor of Science in Business Information Systems
GA_BBENG_B07	201500	Bachelor of Business with Entrepreneurship
GA_BRUAG_H08	201500	Bachelor of Business (Honours) in Rural Enterprise and Agri-Business
GA_BRUAG_B07	201500	Bachelor of Business in Rural Enterprise and Agri-Business
GA_BAGRI_C06	201500	Higher Certificate in Business in Agriculture
GA_SAGAG_H08	201600	Bachelor of Science (Honours) in Agriculture and Environmental Management
GA_BBUAG_H08	201500	Bachelor of Business (Honours)
GA_SAGRG_B07	201500	Bachelor of Science in Agriculture and Environmental Management
GA_SAGRI_C06	201500	Certificate in Agriculture
GA_SAGAG_H08	201600	Bachelor of Science (Honours) in Agriculture and Environmental Management