

Statistics

1. MODULE SUMMARY

Aims and Summary

The aim of this course is to learn basic statistical concepts in business, economics, and other social sciences. Therefore, the course offers a balanced presentation of fundamental statistical theories and methods, along with practical advice of their effective application to real-world problems. Beyond simply teaching the methods, a primary objective of the course is to improve students' 'statistical thinking' abilities in order to promote their effective use in practice.

Module Size and credits

ECTS points	5
Total student study hours	125
Number of weeks	12
School responsible	Lazarski University, Faculty of Economics and Management
Academic Year	2022/2023

Entry Requirements (pre-requisites and co-requisites)

Mathematics

Excluded Combinations

None

Composition of module mark (including weighting of components)

Final exam, 60%

Coursework, 40%, composed of an in-class exam

Pass requirements

To pass the course a student must score at least 40% of the overall weighted average and not less than 35% for each assessment component (i.e. coursework and final exam). Reassessment: coursework component and/or examination as appropriate.

Special Features

None

Course stages for which this module is mandatory

BA in Business Economics, Year 2

Course stages for which this module is a core option

None

2. TEACHING, LEARNING AND ASSESSMENT

Intended Module Learning Outcomes

On completion of this module a student should be able to:

1. Apply estimation and testing procedures;
2. Analyse and distinguish between different kinds of statistical distributions;
3. Calculate probabilities of events;
4. Conduct simple and multiple regression analyses;
5. Appraise statistical studies;

6. Manage the statistical problem solving process

Indicative Content

1. Data acquisition and management
2. Data patterns
3. Data summary measures
4. Probability concepts
5. Probability distributions for discrete random variables
6. Probability distributions for continuous random variables
7. Statistical sampling
8. Estimation and testing

Teaching and Learning

This module will be taught by means of lectures, seminars and self-directed study. Student activity and time spent on each activity comprises:

Guided	0 hours	(0%)
Lecture	30 hours	(24%)
Selfguided	50 hours	(40%)
Seminar	45 hours	(36%)
Total	125 hours	

Method of Assessment (normally assessed as follows)

Final exam, 60%, will assess all learning outcomes

Coursework, 40%, composed of an in-class exam will assess learning outcomes 1-3, 5, 6

Date of last amendment

30.01.2017

3. MODULE RESOURCES

Essential Reading

Sincich, J., & McClave, T., 2012. *Statistics*, 12th ed. New Jersey: Prentice Hall,

Required Equipment None.

4. MODULE ORGANISATION Module leader

Name	Prof. Florczak
E-mail	florczakwaldemar@gmail.com

Length and month of examination

120 minutes in January

Expected teaching timetable slots

No timetable information available

Subject Quality and Approval information

Board of Study	Faculty Collaborative Provision Committee
Subject Assessment Board	Faculty Council, Faculty of Economics and Management

Shortened title

Date of approval by FCPC

13 Feb 2017