University of Ferrara

STATISTICAL METHODS FOR ECONOMICS AND BUSINESS

Part of the integrated course «Quantitative methods for Economics and Business» (8 credits)

Second level degree "Economics, Markets and Management"
Curricula:

Green Economy and Sustainability

Small and Medium Enterprises in International Markets

32 hours, 4 credits

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Teaching materials

Lecture notes

Material provided by the Professor, available at
http://www.unife.it/economia/lm.economia/insegnamenti/quantitative-methods-for-economics-and-business/didactic-materials-statistical-methods

Suggested Textbooks:

Mardia K.V., Kent J.T., Bibby J.M.
«Multivariate Analysis»
Academic Press, London
Edited in 2000 or later

Anderson T.W.
«An introduction to Multivariate Statistical Analysis»
Wiley
Edited in 2003 or later

Topics and calendar

Date	Topic
7 November, Tuesday	Multivariate problems and matrix algebra
8 November, Wednesday	Multiple Regression Analysis
14 November, Tuesday	Multiple Regression Analysis
15 November, Wednesday	Cluster Analysis
21 November, Tuesday	Cluster Analysis
22 November, Wednesday	Composite Indicators
28 November, Tuesday	Factor Analysis and Principal Component Analysis
29 November, Wednesday	Factor Analysis and Principal Component Analysis
5 December, Tuesday	Possible make-up class
6 December, Wednesday	Possible make-up class

Exam

- Written test:

  - Multiple choice questions (1 hour)

    - Theory questions

    - Application problems

  - For each question:

    - Right answer =   +2
    - Wrong answer =   -1
    - Missing answer =   0
    - Final rate = sum of the scores

- Optional brief thesis on an application

  (max +2 on the final mark)