UNIVERSITY OF MISKOLC

Faculty of economics Institute of Economic Theory and Methodology

Syllabus BUSINESS STATISTICS (GTÜSE1012AB) Courses in English in full-time BA program 1st semester, 2024/2025 academic year

 recognize the dependence of an effect upon a cause and the essential permanent trends. Students completing this subject should be able to: Demonstrate an understanding of the basic ideas of estimation and hypothesis testing; Carry out many standard statistical procedures using a statistical computing package; Fit statistical models to data by both estimating and testing hypotheses about model parameters. Thematic description of course content: Lectures and Seminars: Week/date Content 11.09 (Seminar) Review of Statistics, Excel 17.09 (Lecture) Statistical inference basic terms 18.09 (Seminar) University Sports Day (No classes) 24.09 (Lecture) Hypothesis testing ((One-tailed test) 25.09 (Seminar) Hypothesis testing ((One-tailed test) 25.09 (Seminar) Hypothesis testing (One-tailed test; expected value) 01.10 (Lecture) Two sampled hypothesis testing (One-tailed test, two-tailed test) 02.10 (Seminar) Two sampled hypothesis testing (expected value) 15.10 (Lecture) Nonparametric hypothesis testing (expected value) 15.10 (Lecture) Nonparametric hypothesis testing (proportion, standard deviation) 22.10 (Lecture) Hidrem test I. 23.10 (Seminar) National holiday (No classes) 29.10 (Lecture) Holiday declared by Rector (No classes) 30.10 (Seminar) Statistical dependence – association 05.11 (Lecture) Analysis of variance 06.11 (Seminar) Analysis of variance (Eta and Eta sq measures F test) 12.11 (Lecture) Statistical dependence – Correlation measures 	Course title: BUSINESS STATISTICS		Neptun code of course: GTÜSE1022AB	
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	13.11 (Seminar)	Correlation measures		

19.11 (Lecture)	Simple linear regression model		
20.11 (Seminar)	Simple linear regression model		
26.11 (Lecture)	Curve regression Estimation of parameters		
27.11 (Seminar)	Curve regression Estimation of parameters		
03.12 (Lecture)	Midterm test I.		
04.12 (Seminar)	Consultation		
10.12 (Lecture)	Early exam		
11.12 (Seminar)	Early exam		

Requirements:

Method and evaluation of in-semester assessment:

Participation in at least 70% of the seminars.

Reach 40% on the midterm tests.

Exam requirements:

Signature

Completion requirements and evaluation criteria for seminar grades and exams:

Written exam: 0% - 50%: fail 51%-60%: pass 61%-70%: satisfactory 71%-80%: good 81%-90%: excellent

Other information:

Lecture: A1/128, Tuesday 16.00-17.30 am **Seminar:** A1/128, Friday 14.00-15.30 am

Consultation:

it can be find at the webpage of the Institute of Economic Theory and Methodology <u>http://gtk.uni-miskolc.hu/gei/faculty</u>

Compulsory literatures:

- 1. Lecture slides
- 2. Newbold, Paul: Statistics for business and economics; Upper Saddle River: Pearson Education, cop. 2007
- 3. Chris Brooks: Introductory Econometrics for Finance, Cambridge; Second Edition: Chapter 2.
- Richard A. Defusco, CFA Dennis W. McLeavey, CFA Jerald E. Pinto, CFA David E. Runkley, CFA: Quantitative Investment Analysis, CFA Series; Second Edition: Chapter 6, 7, 8, 10

Recommended literatures:

01.09.2024

Beatrix Varga, Ph.D. associate professor