



UČNI NAČRT / COURSE SYLLABUS

Predmet / Course	Statistika / Statistics
Šifra predmeta / Course Code	B12STATI-OS6-ESD
Nosilec predmeta / Course Coordinator	Izr. prof. dr. Kristijan Breznik
Vrsta predmeta / Type of the course	obvezni/compulsory
Jezik / Language - Predavanja / Lecture - Vaje / Tutorials	Slovenski / Slovene, - Slovenski / Slovene, -
Študijski program / Programme	Ekonomija v sodobni družbi (1. stopnja) /Economy in Contemporary Economy (1st cycle)
Letnik / Year	2.
Pogoji za vključitev / Requirements	Opravljen izpit iz Poslovne matematike v prvem letniku tega študijskega programa.

Predavanja Lectures	Vaje Tutorials	Druge oblike študija Other Type of Study	Samostojno delo Individual work	Ure dela Work hours	ECTS
30	30	0	90	150	6

Vsebina / Content:

1. Uvod v verjetnost. 2. Urejanje podatkov 3. Temelji opisne statistike 4. Srednje vrednosti 5. Mere variabilnosti. 6. Prikazovanje podatkov 7. Diskretne in zvezne porazdelitve. 8. Bivariatne metode 9. Časovne vrste.	1. Introduction to probability. 2. Data editing 3. Basics of descriptive statistics. 4. Measures of central tendency 5. Measures of variability 6. Data visualization 7. Discrete and continuous distributions. 8. Bivariate methods. 9. Time series.
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Splošne kompetence / General Competencies:

<i>Študent bo pridobil znanje in spretnosti na naslednjih splošnih vsebinskih področjih:</i> SPL1: Delo s podatki in informacijami; SPL2: Osnovne računalniške spretnosti; SPL8: Spretnosti kritičnega mišljenja;	<i>Student will acquire knowledge and skills in the following general areas:</i> SPL1: Work with data and information; SPL2: Basic computer skills; SPL8: Critical thinking;
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Predmetno specifične kompetence / Course Specific Competencies:

<i>Študent bo pridobil znanje in spretnosti na naslednjih specifičnih vsebinskih področjih:</i> PSP17: Matematika in statistika na vsebinskem področju predmeta; PSP18: Splošna razgledanost na vsebinskem področju predmeta.	<i>Student will acquire knowledge and skills in the following specific areas:</i> PSP17: Mathematics and statistics in the fields of the course; PSP18: General overview of the course content area.
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Predvideni študijski izidi / Intended Learning Outcomes:

<i>Študent bo dosegel naslednje študijske izide:</i> 1. zna izračunati srednje vrednosti statističnih spremenljivk 2. zna izračunati mere variabilnosti statističnih spremenljivk 3. zna pravilno grafično predstaviti statistične spremenljivke 4. uporaba statističnih programov	<i>Student will achieve the following learning outcomes:</i> 1. (s)he is able to calculate measures of central tendency of statistical variables 2. (s)he is able to calculate measures of variability of statistical variables 3. (s)he is able to properly visualize statistical variables 4. the use of statistical software
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Oblike in metode poučevanja in učenja / Types and Methods of Teaching and Learning

<i>Oblike dela</i>	Frontalna oblika poučevanja; Delo v manjših skupinah; Samostojno delo študenta;
<i>Types of Teaching and Learning</i>	Frontal teaching; Work in smaller groups or pairs; Independent student work;
<i>Metode dela</i>	Razlaga; Razgovor/diskusija/debata;
<i>Teaching and Learning Methods</i>	Explanation; Conversation/discussion/debate;

Načini ocenjevanja v % / Types of Student Assessment

Sprotno ustno ocenjevanje / Oral Assessment	/
Sprotno pisno ocenjevanje / Written Assessment /	30 %
Daljši pisni izdelek /Longer written casework ¹	/
Javni nastop s predstavitvijo rezultatov / Presentations ² /	/
Končni pisni izpit / Final written examination	70 %
Končni ustni izpit / Final oral examination	/
Udeležba in sodelovanje / Participation and cooperation	/
Lestvica ocenjevanja / Grading scale	številaska/numeric

Temeljna literatura / Literature:

1. Košmelj, K. (2007). Uporabna statistika. Ljubljana: Biotehniška fakulteta.
2. Diez, D. M., Barr, C. D., Cetinkaya-Rundel, M. (2015). OpenIntro Statistics. Dostopno na: <https://www.openintro.org/stat/>
3. Field, A. (2013). Discovering Statistics Using IBM SPSS Statistics. SAGE Publications Ltd
4. Breznik, K., Đaković, G. (2016). Erasmus student mobility flows - the national-level social network analysis of Slovenia. International journal of innovating and learning, 20(2), str. 124-137.

Reference nosilca / Lecturer's references:

1.01 Izvirni znanstveni članek

1. BREZNIK, Kristijan, SKRBINJEK, Vesna. Erasmus student mobility flows. European journal of education, ISSN 1465-3435, Mar. 2020, vol. 55, iss. 1, str. 105-117, ilustr. <https://onlinelibrary.wiley.com/doi/full/10.1111/ejed.12379>, doi: 10.1111/ejed.12379. [COBISS.SI-ID 40339973]
2. BREZNIK, Kristijan, LAW, Kris. What do mission statements reveal about the values of top universities in the world?. International journal of organizational analysis, ISSN 1934-8835, 2019, vol. 27, no. 5, str. 1362-1375, ilustr. <https://www.emerald.com/insight/content/doi/10.1108/IJOA-08-2018-1522/full/html>, doi: 10.1108/IJOA-08-2018-1522. [COBISS.SI-ID 40124933]
3. BREZNIK, Kristijan. Revealing the best doubles teams and players in tennis history. International journal of performance analysis in sport, ISSN 1474185, 2015, vol. 15, no. 3, str. 1213226, ilustr. <http://www.ingentaconnect.com/content/uwic/ujpa/2015/00000015/00000003/art00036>. [COBISS.SI-ID 38100485]
4. BREZNIK, Kristijan, LAW, Kris. How social networks affect the learning performance among engineering students. Technics technologies education management, ISSN 1840503, 2015, vol. 10, no. 2, str. 19103
5. BREZNIK, Kristijan. On the gender effects of handedness in professional tennis. Journal of Sports Science and Medicine, ISSN 1303968. [Online ed.], June 2013, vol. 12, iss. 2, str. 34653, graf. prikazi, tabele. <http://www.jssm.org/vol12/n2/17/v12n27text.php>. [COBISS.SI-ID 11910561]

¹ Seminarska ali projektna naloga, raziskovalna naloga ipd.

² Plakat, naloga, prispevek