



UČNI NAČRT / COURSE SYLLABUS

Predmet / Course	Statistika / Statistics
Šifra predmeta / Course Code	B12STATI-OS6-PSD
Nosilec predmeta / Course Coordinator	Prof. dr. Kristijan Breznik, doc. dr. Mateja Gorenc
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 predstavitevijo 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:

Prof. dr. Kristijan Breznik

BREZNIK, Kristijan, RESTAINO, Marialuisa, VITALE, Maria Prosperina, RAGOZINI, Giancarlo. Analyzing countries' performances within the international student mobility program over time. Annals of operations research. 17. Jun 2023, str. 1-19, ilustr. ISSN 0254-5330. <https://link.springer.com/article/10.1007/s10479-023-05436-w#article-info>, DOI: 10.1007/s10479-023-05436-w. [COBISS.SI-ID 158743299]

NOVAK, Andrej, BREZNIK, Kristijan, NATEK, Srečko. Managing knowledge to improve performance : the impact of leadership style and knowledge management on organizational performance with moderation effects via PLS-SEM. Journal of the knowledge economy. 2022, vol. , no. , str. [1-30], [in press]. ISSN 1868-7873. <https://link.springer.com/article/10.1007/s13132-022-00957-4#article-info>, DOI: 10.1007/s13132-022-00957-4. [COBISS.SI-ID 98148611]

MILEKHINA, Antonina, BREZNIK, Kristijan, RESTAINO, Marialuisa. Gender comparison of in-match psychological traits of tennis players : dynamic network analysis : editorial. Statistica applicata. [Print ed.]. 2023, vol. 35, no. 2, str. 1-28, ilustr. ISSN 1125-1964. https://www.sa-ijas.org/ojs_files_online_first/35_011_203.pdf, DOI: 10.26398/IJAS.0035-011. [COBISS.SI-ID 141973507]

LAW, Kris, BREZNIK, Kristijan, IP, Andrew W.H. Using publicized information to determine the sustainable development of 3-PL companies. Journal of global information management. Jan./Mar. 2021, vol. 29, iss. 1, str. 199-216. ISSN 1062-7375. <https://www.igi-global.com/article/using-publicized-information-to-determine-the-sustainable-development-of-3-pl-companies/255844>, DOI: 10.4018/JGIM.20210101.0a1. [COBISS.SI-ID 46423299]

Doc. dr. Mateja Gorenc

¹ Seminarska ali projektna naloga, raziskovalna naloga ipd.

² Plakat, naloga, prispevek

JERMAN-BLAŽIČ, Borka, GORENC, Mateja. Deviance in the internet use in working environment : key factors and remedies based on an exploratory study. *Review of European studies*. 2017, vol. 9, no. 4, str. 52-71. ISSN 1918-7173. DOI: 10.5539/res.v9n4p52. [COBISS.SI-ID 30885159], [SNIP]

GORENC, Mateja, KASTELIC VALENTINČIČ, Marjeta. Advantages and disadvantages of working from home in public administration. *Agora : international journal of juridical sciences*. [Online ed.]. 2023, vol. 17, no. 1, str. 91-107, ilustr. ISSN 2067-7677. <https://univagora.ro/jour/index.php/aijjs/article/view/5750/1947>, DOI: 10.15837/aijjs.v17i1.5750. [COBISS.SI-ID 159813123]

GORENC, Mateja, BRAZ, Mojca. The influence of top athletes' personal factors on the successful coordination of their dual careers. *International journal of management, knowledge and learning*. [Spletna izd.]. 2022, vol. 11, str. [47]-56, ilustr. ISSN 2232-5697. <https://toknowpress.net/submission/index.php/ijmkl/article/view/53>, <http://www.dlib.si/details/URN:NBN:SI:doc-XZC334XN>, DOI: 10.53615/2232-5697.11.47-56. [COBISS.SI-ID 131334915]

GORENC, Mateja, BRAZ, Mojca. Dilemma of top athletes in choosing their studies. *International journal of management, knowledge and learning*. [Spletna izd.]. 2021, vol. 10, str. [51]-63, ilustr. ISSN 2232-5697. <https://toknowpress.net/ISSN/2232-5697/10.51-63.pdf>, <http://www.dlib.si/details/URN:NBN:SI:doc-YT3800JA>, DOI: 10.53615/2232-5697.10.51-63. [COBISS.SI-ID 79380739]

MENDEZ, Rosmery Idina, GORENC, Mateja. Possibilities for the measurement of the intellectual capital on case of company Gorenje d. d. *Innovative issues and approaches in social sciences*. 2020, vol. 13, no. 1, str. 20-32. ISSN 1855-0541. <http://www.iiass.com/pdf/IIASS-Volume13-Number1-2020.pdf>. [COBISS.SI-ID 1024380237]

GORENC, Mateja. Benford's law as a useful tool to determine fraud in financial statements. *Management*. [Spletna izd.]. spring 2019, vol. 14, iss. 1, str. 19-31, 87-88. ISSN 1854-4231. <http://www.fm-kp.si/zalozba/ISSN/1854-4231.htm>, <http://www.dlib.si/details/URN:NBN:SI:doc-7SSKPOU9>, DOI: 10.26493/1854-4231.14.19-31. [COBISS.SI-ID 21346819]

GORENC, Mateja. The impact of social networks on the abuse of internet services in the workplace. *Innovative issues and approaches in social sciences*. 2018, vol. 11, no. 1, str. 8-22. ISSN 1855-0541. <http://www.iiass.com/pdf/IIASS-volume11-number1-2018.pdf>, DOI: 10.12959/issn.1855 - 0541.IIASS - 2018 - no1 - art1. [COBISS.SI-ID 1024287053]