

Subject card

Subject name and code	NON-CLASSICAL METHODS OF STATISTICS, PG 00060823							
Field of study	Economic Analytics							
	·							
Date of commencement of studies	October 2023		Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies		Subject group			Optional subject group		
						Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery			at the university		
Year of study	2		Language of instruction			English		
Semester of study	3		ECTS credits			3.0		
Learning profile	general academic profile		Assessment form			exam		
Conducting unit	Katedra Statystyki i Ekonometrii -> I		Faculty of Management and Economics					
Name and surname	Subject supervisor		dr inż. Karol Flisikowski					
of lecturer (lecturers)	Teachers		dr inż. Karol Flisikowski					
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	oject Seminar		SUM
of instruction	Number of study hours	15.0	0.0	30.0	0.0	0.0		45
	E-learning hours inclu	E-learning hours included: 0.0			•		•	
Learning activity and number of study hours	Learning activity	Participation i classes included		Participation consultation h		Self-study		SUM
	Number of study hours	45		3.0		27.0		75
Subject objectives	Creates non-parametric estimation models and performs non-parametric verification of statistical hypotheses, taking into account the economic context, efficiently using the R package							
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[K7_W05] takes into account in the analyzes in an in-depth way both the economic, legal and ethical context, being aware of the responsibility for the consequences of its decisions		implements responsibly innovative methods of non-parametric estimation replacing the traditional approach in many practical economic applications			[SW1] Assessment of factual knowledge		
	[K7_U03] formulates research problems and selects appropriate analytical methods for their effective solution, using advanced IT tools, and evaluates the results critically		formulates research problems, solves them and critically evaluates them using non- classical, non-parametric methods of statistical inference using the R package			[SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Non-parametric estimation of distribution parameters Estimation of the distribution function and the density function Regression function estimation Non-parametric verification of statistical hypotheses Multidimensional normality tests Compatibility tests for composite samples Tests for samples with censored data Bootstrap methods							
Prerequisites and co-requisites								
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade			
	Project		60.0%		50.0%			
	Exam		60.0% 50.0%					
Recommended reading	Basic literature		Domański Cz., K. Pruska (2000) Nieklasyczne metody statystyczne, PWE, Warszawa Silverman B.W. "Density estimation for statistics and data analysis", New York, Chapman and Hall, 1986 Nonparametric Statistical Methods, Third Edition, Myles Hollander, Douglas A. Wolfe, Eric Chicken, 2015					

Data wydruku: 30.06.2024 21:34 Strona 1 z 2

		Nonparametric Statistical Methods Using R, John Kloke, Joseph W. McKean, Chapman and Hall/CRC, 2014				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed						
Work placement	Not applicable					

Data wydruku: 30.06.2024 21:34 Strona 2 z 2