

Subject card

Subject name and code	Statistics in public administration - lecture, PG_00133400						
Field of study							
Date of commencement of studies	October 2025	Academic year of realisation of subject			2026/2027		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			1.0		
Learning profile	practical	Assessment form			credit		
Conducting unit	Department of Statistics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Olga Komorowska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		0.0		0.0	30
Subject objectives	1. Obtaining knowledge about the sources of data regarding economic, social and population phenomena and how they are created, knowledge necessary to conduct statistical research and data analysis. 2. Developing the ability to select appropriate methods for analyzing economic and social phenomena and interpreting the obtained results. 3. Learning about the possibilities of using statistical methods in economic and social life, in making administrative, social and business decisions.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[ADMINL3_KR03] The student is ready to responsibly perform duties in public administration, including positions requiring a bachelor's degree, as well as in other entities in roles related to administration.	The student understands situations in which certain statistical measures and methods cannot be applied. Understands the importance of statistical data quality.	[SK4] test/exam - oral or written
	[ADMINL3_WG01] At an advanced level, the student is able to define the sciences of administration and politics, as well as law, and knows the concepts and terminology appropriate to them.	The student uses (is able to find and download data) statistical databases such as BDL, Central Statistical Office publications, and Eurostat data. The student interprets data and the results obtained from analyses.	[SW4] test/exam - oral or written
	[ADMINL3_UW01] Using his own knowledge and sources of information, including the ability to use modern digital techniques and professional methods of acquiring information, the student is able to analyze and resolve problems, as well as interpret legal, social, and political phenomena within the scope of administration and selected areas of social and economic life.	The student uses (is able to find and download data) statistical databases such as BDL, Central Statistical Office publications, and Eurostat data. The student interprets data and the results obtained from analyses.	[SU5] implementation of a problem task
	[ADMINL3_WK04] The student knows and understands the current dilemmas regarding the functioning of institutions of substantive and procedural law in the sphere of the state and administration. Additionally, he identifies key phenomena occurring in the market economy and economics, including knowledge and understanding of the basic principles of public finance, EU structural funds, the public procurement system, and the operation of various forms of entrepreneurship.	Understands basic statistical data analysis methods and can apply them based on available data. Can descriptively discuss statistical data collected in a table or presented in a graph.	[SW4] test/exam - oral or written
Subject contents	Basic concepts (statistics, population, sample, statistical characteristics). Data sources. Stages of statistical research. Data presentation. Analysis of population structure (measures of location, diversity, asymmetry). Interdependence analysis. The nature and types of time series. Measures of dynamics. Nominal and real values. Structure indices and intensity indices. Concentration coefficient.		
Prerequisites and co-requisites	Excel skills.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Active participation in classes	0.0%	20.0%
	research problem	0.0%	20.0%
	Test	51.0%	60.0%
Recommended reading	Basic literature	Brak	
	Supplementary literature	No literature	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. In what situation is it not recommended to calculate the average level of a trait? 2. What variable is a student's study time (in hours?) 3. What correlation coefficient should be used to check whether there is a correlation between gender and the choice of field of study?		

Work placement	Not applicable
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