University of Gdańsk

Subject card

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| Subject name and code | Descriptive Statistics, PG_00178593 | | |
| Field of study | Finance and Accounting | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | 2026/2027 |
| Education level | Bachelor's studies | Subject group | Obligatory subject group in the field of study<br>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 | 1 | Language of instruction | English |
| Semester of study | 1 | ECTS credits | 7.0 |
| Learning profile | academic | Assessment form | exam |
| Conducting unit | Department of Statistics -> Faculty of Management -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Ewa Wycinka | |
| | Teachers | | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 30.0 | 30.0 | 15.0 | 0.0 | 0.0 | 75 |

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 | 75 | 4.0 | 96.0 | 175 |

**Subject objectives**

Presentation of elementary statistical methods and statistical nomenclature and development of skills in interpreting results and explaining the purpose of using particular methods.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [FiRL3_W04] The student has advanced knowledge and understanding of the role and place of man in financial structures and his behaviour in organisations, both at the individual, group, and institutional levels. | The student is able to analyze the causes, course, and effects of financial and accounting processes using descriptive statistical methods, and interprets regularities within populations and relationships between variables. Examples include the analysis of company financial data, the study of market trends, and the evaluation of financial performance based on statistical data | [SW4] test/exam - oral or written<br>[SW2] presentation/project/paper/report |
| [FiRL3_U04] The student is able—from the perspective of finance and accounting—to correctly select and properly apply methods and tools from the fields of management and quality sciences, economics, and finance to analyse and forecast economic processes and evaluate economic phenomena. | The student selects methods of statistical description depending on the research problem and the nature of the phenomena under investigation. | [SU2] presentation/project/paper/report<br>[SU4] test/exam - oral or written |

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| Subject contents | • Introductory concepts and key terms: population, sample, variable characteristics. Statistical research: types and stage.<br>• Organizing, visualizing, and describing data.<br>• Distribution characteristics: measures of central tendency, measures of dispersion, skewness, concentration.<br>• Analysis of interdependence.<br>• Introduction to the regression analysis.<br>• Time series analysis, analysis of simple and complex dynamic phenomena. |
| Prerequisites and co-requisites | |
| Assessment methods and criteria | |

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| tests | 51.0% | 30.0% |
| project | 51.0% | 20.0% |
| exam | 51.0% | 50.0% |

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| Recommended reading | Basic literature | Anderson, D.R., 2020, Statistics for business and economics / Cengage Learning EMEA, 5th edition. |
| | Supplementary literature | Black, K., 2011, Applied Business Statistics: Making Better Business Decision, John Wiley and Sons<br>Aczel, A., Sounderpandian J., 2009,Complete Business Statistics with Student CD, The Mcgraw-Hill/Irwin Series |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |

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