



UNIWERSYTET GDAŃSKI



Title Descriptive Statistics					Code:
ECTS points: 5	Hours: Lecture 15 Classes 30	Year: 2021/22	Semester: winter	Status: Elective	Language: English
Lecturer: Phd Ewa Wycinka Email: ewa.wycinka@ug.edu.pl					
Course description:					
<p>Basic concepts of statistics and statistical methods, applications of statistics, basic notions and definitions (population, sample, characteristics of variables), statistical research (classifications, design of the research, statistical surveys, sampling techniques).</p> <p>Data processing: summarizing, rearranging, ordering, grouping. Tabulations and basic cross-tabulations, pictures and diagrams.</p> <p>Descriptive statistics: classical and fixed position measures of central tendency: the arithmetic mean, the weighted average, the median, the mode, measures of dispersion: the range, the variance, the standard deviation, the coefficient of variation, and measures of skewness. Non-uniform distribution of data.</p> <p>Correlation Analysis (Scatter Plots, Correlation Analysis, Calculating and Interpreting the Correlation Coefficient, Limitations of Correlation Analysis, Uses of Correlation Analysis, The Coefficient of Determination, Analysis of Variance in a Regression)</p> <p>Regression (Linear Regression with One Independent Variable, Limitations of Regression Analysis)</p>					
Reading list:					
<p>Basic literature:</p> <p>1. Statistics for business and economics / Anderson [David R. et al.], Cengage Learning EMEA, 5th edition, cop. 2020.</p> <p>Supplementary literature:</p> <p>2. Applied business statistics : making better business decision / Ken Black, John Wiley & Sons, cop. 2011.</p> <p>3. Complete business statistics / Amir D. Aczel, Jayavel Sounderpandian, McGraw-Hill Higher Education, 2009</p>					
Grading:					
<p>The final grades are based on the score according the University terms of study:</p> <p>50% or less - 2,0 (fail) >50% - 3,0 (pass) >60% - 3,5 (pass +) >70% - 4,0 (good) >80% - 4,5 (good+) >90% - 5,0 (very good)</p>					
Prerequisites:					
There are no pre-requisites for this course					