



**UNIWERSYTET GDAŃSKI**



<b>Title</b> Descriptive Statistics					<b>Code:</b>
<b>ECTS points:</b> 2	<b>Hours:</b> Lecture 15 Classes 30	<b>Year:</b> 2021/22	<b>Semester:</b> winter	<b>Status:</b> Elective	<b>Language:</b> English
<b>Lecturer:</b> Phd Ewa Wycinka <b>Email:</b> ewa.wycinka@ug.edu.pl					
<b>Course description:</b>					
<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>					
<b>Reading list:</b>					
<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 &amp; Sons, cop. 2011.</p> <p>3. Complete business statistics / Amir D. Aczel, Jayavel Sounderpandian, McGraw-Hill Higher Education, 2009</p>					
<b>Grading:</b>					
<p>The final grades are based on the score according the University terms of study:</p> <p>50% or less - 2,0 (fail)          &gt;50% - 3,0 (pass)          &gt;60% - 3,5 (pass +)          &gt;70% - 4,0 (good)          &gt;80% - 4,5 (good+)          &gt;90% - 5,0 (very good)</p>					
<b>Prerequisites:</b>					
There are no pre-requisites for this course					