Project Statistics A

Project Instructions: Please elaborate your projects (individual tasks) in MS Excel, copy your results with appropriate interpretations to MS Word and prepare presentation of your projects in MS Power Point. You will present your projects on the subject`s lectures on 27.11. and on 4.12. You should deliver printed version of your project to my office one week before credit week. Be prepared to answer questions about your project. You can obtain a total of 100 points for the project.

Data: Find Data – it can be related to your bachelor thesis or to something which is interesting for you. At least 30 observations of each variable.

Tasks for the project:

1. Introduction – explain: Why did you choose this particular data? What is the objective of your project? + Describe your data: What is the source of your data, describe variables, units.
2. Sort your dataset by a quantitative statistical attribute (frequency distribution table). Please, interpret a chosen row of the final output table.
3. Calculate the descriptive statistics of the chosen quantitative statistical attribute (measures of central tendency, variability, skewness, and kurtosis). Please, interpret all values in accordance with the quantitative statistical attribute.
4. Calculate point and interval estimate of mean, variance and standard deviation (sample size is your dataset). Develop both the 95% and 99% confidence intervals for the population mean and standard deviation to see what will change. Please, interpret all values in accordance with the quantitative statistical attribute.