



## EXPLANATIONS ABOUT FIRST HOMEWORK I

### (TOPIC: SPSS ANALYSIS OF FREQUENCY TABLES, RELATED GRAPHS AND DESCRIPTIVE STATISTICS WITH COMMENTS)

Dear Students,

Here we attached the excel file with two sheets one of which is the list of class and the other one is the data set will be used in your first homework. In the excel file (for the data set) there are 136 columns. Each student will choose the column of the data set according to their order in the class list. For example, if you are 10th student in the list then you will use the 10th column (V10) in the excel file (including data set). This will be your raw data. **“The data is about weekly studying hours of randomly selected 50 students from Faculty of Engineering.”**

You will make a **“Frequency Table”** by using SPSS program for this raw data. The number of classes of the frequency table will be taken to be 6. Moreover, by using SPSS program you will draw **“Histogram”, “Boxplot”**, **“Stem and leaf plot”** for this data set and you will add comments to the graphs; means you can make comments about shape of the data (whether if it is symmetric or skewed, or in which range most of the values are seen). Furthermore, by using SPSS program you will obtain **mean, median, mode, quartiles, minimum and maximum values, kurtosis coefficient, skewness coefficient** and you will make comments about these values; for example, make comments about the shape of data by using skewness coefficient, kurtosis coefficient, make specific comments about Q1, Q2, Q3, Q4, also make comments about mean, median and mode etc.

You must write down the **SPSS outputs** of frequency table, histogram, boxplot and these summary/descriptive statistics with all the comments/explanations related to them in a **word file**. Do not forget to make comments about important frequencies and relative frequencies that you see in frequency table (for example high or low frequencies, or relative frequencies).

Please do not write down the outputs of steps that you follow to do these analyses in SPSS, **only paste the outputs of analyses results obtained from SPSS and write down the comments. Your homework is due on 8 May.**

Good Luck..

**- Please do not forget to write your name, student number on your homework, column number in the data file**

**The homework pages are limited to maximum 6 pages!**

**Dr. Ayten Yiğiter and Dr. Esra Polat**