1-a-By using descriptive analysis of excel, find mean median mode, standard deviation, range min and max and make comment for one of the **ratio scale variable**. Express each of them as if you are making presentation.

2-    b-For which problem statement (for which questions), these findings will be the answer or the solution. Ask meaningful questions so that the  mean, median, mode, etc. will be the right finding to solve the problem (to answer the question). Please do not state the problem statement as what is mean?  State it like "On the average what is the number of items sold per outlet or sold per day or produced per worker etc."

2-32-Make correlation analysis between **at least three numeric variables** comment on each of the  correlation coefficient. You can filter the data set according to any meaningful criteria if you think that you can get stronger correlation for a filtered data. By filtering the data according to your own choice each student will be able to consider different data set.  For which problem statement (for which questions), these findings will be the answer or the solution.

3-C   3- Construct a pivot table by using two nominal scale variables and apply a chi square test of independence. State hypothesis null and alternative hypothesis. Make the conclusion. For which problem statement this finding will be answer or solution

 4-Build regression analysis of any of two variables. Pay attention to select the variables with stronger correlation. For each of the following items please also write the problem statement which leads you to make such analysis. 5 problem statement.

a) Comment on the  correlation coefficient  
b) Comment on the coefficient of determination  
c) Write the regression equation  
d) Comment on the coefficient in front of X and the intercept  
e) Predict dependent variable for any value of independent variable?