Course: Data Analysis

Students' Name and Surname _____Rashid Ali_____

1. Open **world_data.sav** file. Analyze **lit_male** variable.

- Indicate the values of the variable between which 50% of the middle values of the variable ranges are located.

   _____63.00 and 96.50_____

- Deselect from the further analysis the cases which have the value of lit_male variable less than 40.

- Divide the remained cases into 4 groups using the interval width – 15.

- Indicate the mode group number.

   Group 1(85, 1-100)

2. Open **salary.sav** file.

- Do the automatic recode for the *position* variable.

- Create the new variable which will represent the rank of a person which is calculated on the basis of his/her salary. The bigger the salary – the higher the rank. Select the "high" model for assigning ranks to the ties.

- Sort the data in the database on the basis of the salary variable so that the person with the biggest salary appears in the first row.

- Calculate the new variable which will show the sum of income taxes in dollars which is paid monthly to every person. Take into account that foreigners pay 30% of income taxes and non-foreigners – 13%.

- What is the average salary for men and women? _____98678.5714 and 64227.2727_____