ECO239 Group Assignment 2

Due: Nov.29 (Tuesday) 2016 at 12:00 Noon

*Late homework (even for 5 min.) will NOT be accepted.

*Submission by e-mail will NOT be accepted.

Objective of this assignment: By using the data you've collected for the 1st assignment, you are asked to summarize the data graphically and numerically.

For this homework, you have to complete all of the following tasks using **R program**. Graphs created by excel will **NOT** be counted for your points. This is a practice for you to get used to R program.

Task 1: Use appropriate graphs to summarize all 8 variables individually. You should include the following type of the graphs at least once. Make sure to select the one which is appropriate to describe your variables. **Comment each graph on your observations and findings.** (Use R-program)

- Bar Chart
- Pie Chart
- Histogram
- Box-plot

Task 2: Select one variable from Categorical-ordinal and one from Numerical-Continuous, create **frequency distribution tables**. You can work on excel for this task.

Task 3: Select two pairs of numerical variables and generate two scatter plots. Make sure to select the ones which are expected to be correlated. **Comment each plot on your observations and findings.** (Use R-program for the graphs.)

Task 4: For 4 of the numerical variables, calculate MIN, MAX, MEAN, MEDIAN, and Standard Deviation and IQR. (Use R-program) **Comment on the distributional shape by using the values of MEAN and MEDIAN**.

Task 5: For the two pairs of numerical variables selected for Task 3, calculate Correlation Coefficients.

Notes:
1. Just staple your report. DO NOT put it into a plastic cover.
2. Copy-Paste codes and outputs from R-program to Word for your report.
3. Please try to make the size of graphs small (but visible) to save some paper.
4. Printing with colors is NOT necessary.
5. Come to my office if you need any assistance (way) before the due date.