**LAB 1**

1. Data visualization and descriptive statistics:

Given the Vietnam GDP data set and Computer Repair Times

a) Using MS Excel, R Programming Language and Python Programming Language, calculate and analyze the meaning of the values: Mean, Median, Mode, Quantile, Variance, Standard Deviation, Skewness, Kurtosis corresponds to the above data sets.

b) Use Visualization: Histogram, Box Plot to visualize some of the above values.

2. Meaning of correlation and covariance coefficients.

Use MS Excel, R and Python with examples 4.21 and 4.22

3. Meaning of Outlier, using statistics to determine Outlier values.

Use MS Excel, R and Python with example 4.23

4. What is statistical thinking in business decisions? Give illustrative example.