In-Class-Assigment3:

Statistic Analysis

Assignment Type: Individual lab work

Weight: 5%

Time: In Class/ ...../

Tasks:

In this assignment, you will continue working on your selected data source from the previous assignment and present data set statistics and practice data visualization.

For each selected column compute:

1. Range
2. Interquartile range (IQR)
3. Median
4. Mean
5. Mode
6. 1st and 3rd quartiles
7. Sample variance and sample standard deviation
8. Find Outliers

Draw the following diagrams:

1. Box Plot
2. Sea-born Simplot
3. Linear regression
4. HeatMap

Perform statistical analysis and present results in graphical format.

Deliverables:

a) Submit a professional report including at least:
   a. Explain the steps/formulas that have been used for calculation process

    b. Detailed explanations of your solution including snippets of your source code.

    c. Describe results from statistical analysis and diagrams.

    d. Your experience reflection

b) Python Jupiter notebook

    a. Comments in code

    b. Fully working solution

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