Assignment 01

Assignment submission deadline: February 23, 2025, Submission Deadline: 23rd February 2025, 11:59 PM

Google form: **Link will be shared soon.**

Objective:

Perform an explorative analysis of a dataset of your choice from the Kaggle library

(<https://www.kaggle.com/datasets>). The analysis should be a mix of calculating relevant statistical measures, plotting, and drawing applicable conclusions using both numerical and categorical variables.

The analysis should be performed in two steps:

* Univariate analysis
* Multivariate analysis Data Set:

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Link: <https://www.kaggle.com/datasets> Example:

One example of a dataset and its analysis is below:

1. UK Traffic and Accident Analysis: [https://www.kaggle.com/code/imankity/uk-trafficand-](https://www.kaggle.com/code/imankity/uk-trafficand-accident-analysis/data) [accident-analysis/data](https://www.kaggle.com/code/imankity/uk-trafficand-accident-analysis/data)
2. Univariate Plotting with Pandas: [https://www.kaggle.com/code/residentmario/univariate-](https://www.kaggle.com/code/residentmario/univariate-plotting-with-pandas) [plotting-with-pandas](https://www.kaggle.com/code/residentmario/univariate-plotting-with-pandas)

For multivariate datasets and their analysis on Kaggle:

1. Introduction to Multivariate Analysis: [https://www.kaggle.com/code/sanikamal/introduction-](https://www.kaggle.com/code/sanikamal/introduction-to-multivariate-analysis#PlottingMultivariate-Data) [to-multivariate-analysis#PlottingMultivariate-Data](https://www.kaggle.com/code/sanikamal/introduction-to-multivariate-analysis#PlottingMultivariate-Data)
2. Univariate Analysis: <https://rkabacoff.github.io/datavis/Univariate.html> Submission Instructions:
   1. The assignment must be performed in a [Jupyter](https://jupyter.org/try-jupyter/lab/) notebook either on Google [Colab](https://colab.research.google.com/), directly on [Kaggle,](https://www.kaggle.com/) or locally on your computer.
   2. Upload your notebook file to your [GitHub](https://github.com/) account and share the link using the provided Google form. Ensure that your GitHub repository has public access.