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Experiment No.2

Perform Exploratory data analysis of Healthcare Data.

Date of Performance: 11/8/2023

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Aim: Perform Exploratory data analysis of Healthcare Data.

Objective: The objective of this experiment is to perform Exploratory data analytics on healthcare data using python numpy functions

#### Theory:

EDA is applied to investigate the data and summarize the key insights.

It will give you the basic understanding of your data, it's distribution, null values and much more. You can either explore data using graphs or through some python functions.

There will be two types of analysis:

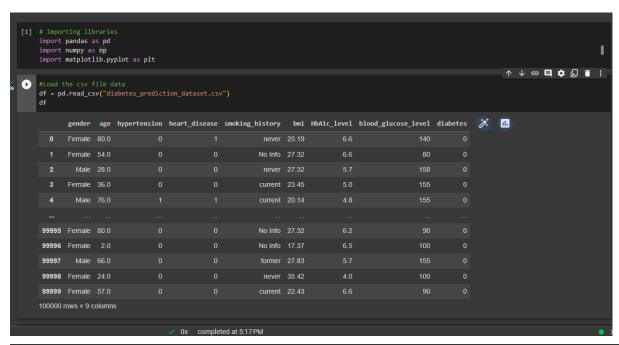
Univariate and Bivariate.

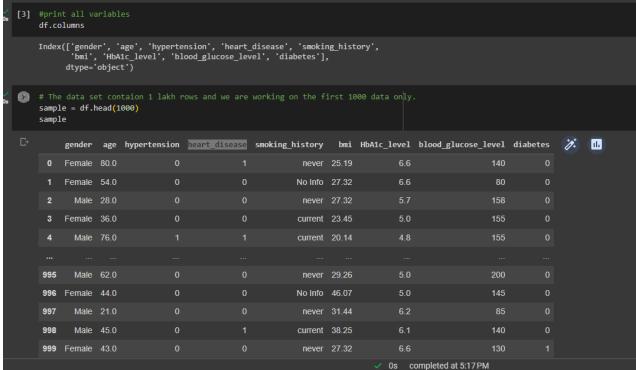
In the univariate, you will be analysing a single attribute. But in the bivariate, you will be analysing an attribute with the target attribute. In the non-graphical approach, you will be using functions such as shape, summary, describe, isnull, info, datatypes and more.

In the graphical approach, you will be using plots such as scatter, box, bar, density and correlation plots.

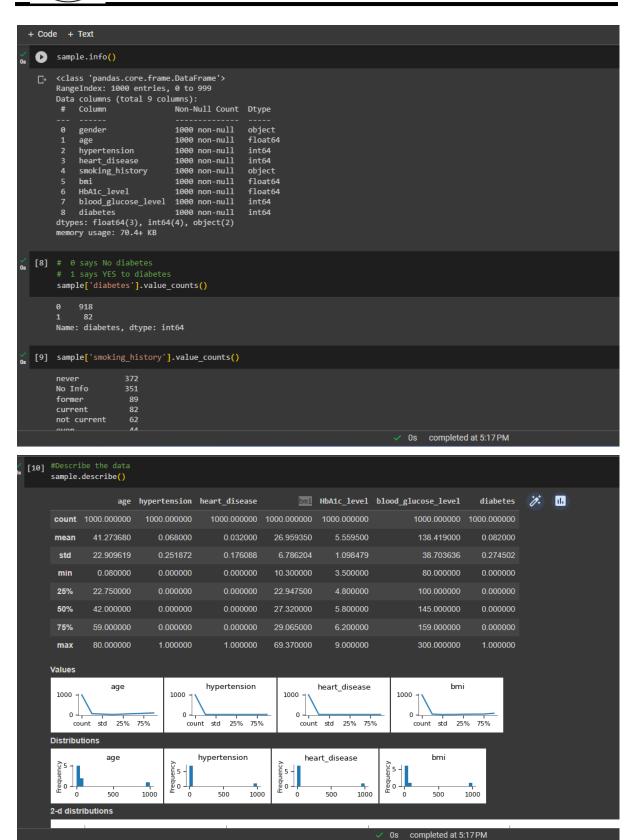


#### Code: -

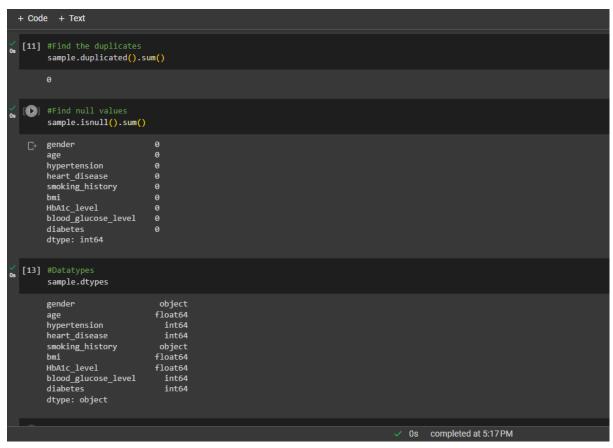


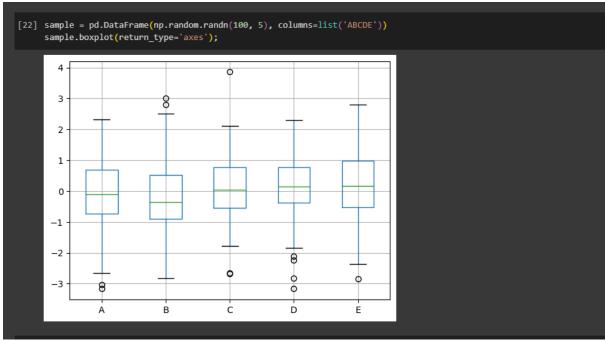




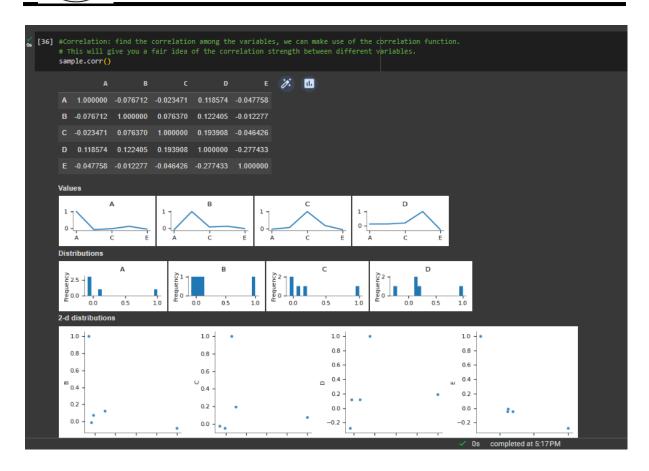














Google Collaboratory Link: -

∞ AIML EXP 2

Conclusion: - EDA is the most important part of any analysis. A lot of information will be obtained about the dataset in consideration. Most data related answers are obtained using EDA.

