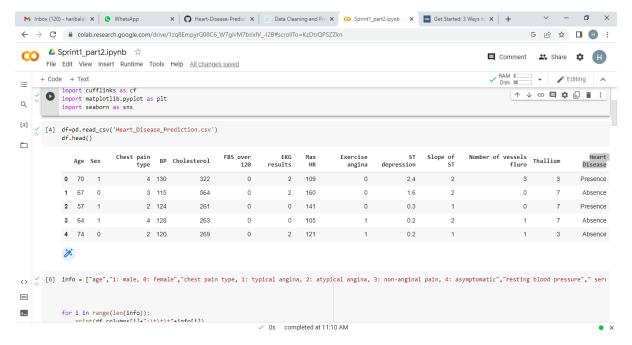
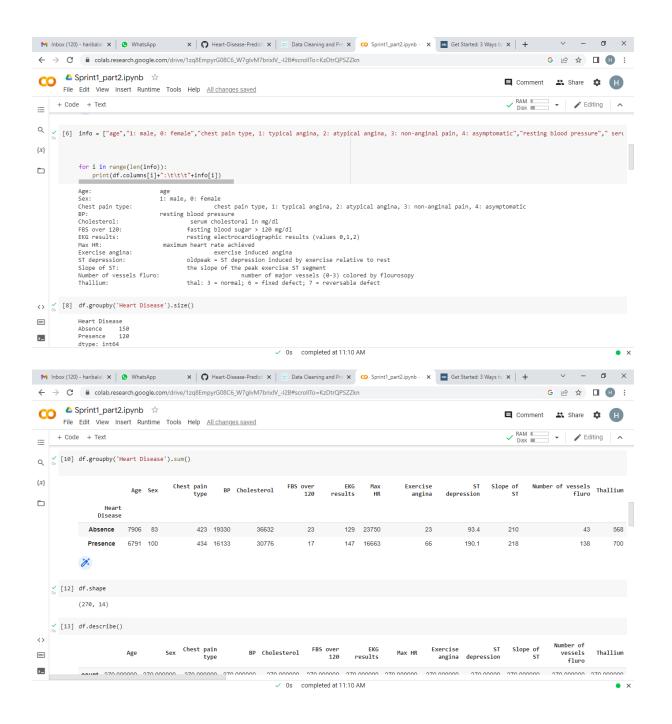
SPRINT 1-PART 2

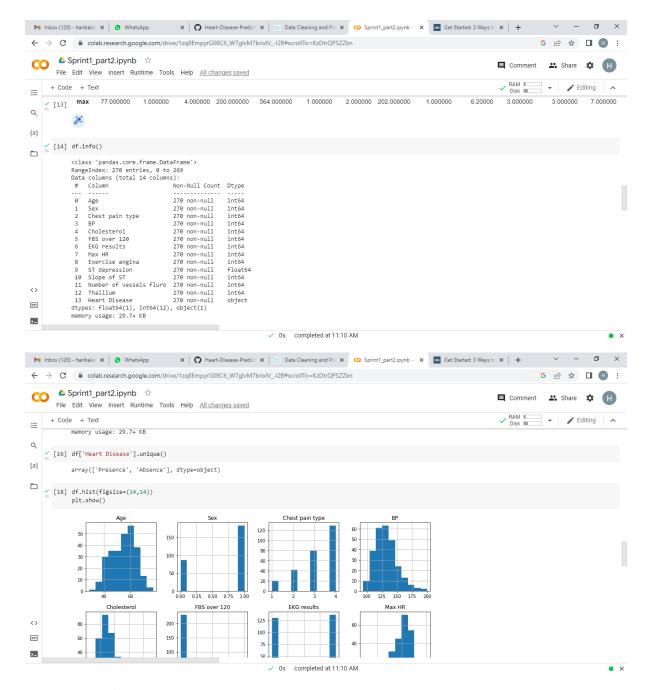
Date	27 October 2022
Team ID	PNT2022TMID53213
	Visualizing and Predicting Heart Diseases with an Interactive Dash Board

1)Description:

- ->It tells about the dataset and their columns and values, and their variation in it.
- ->To help members of your organization quickly identify datasets that might be useful for them, provide a concise, informative description of your dataset in the dataset's settings. Users will see this description in the info tooltip next to the dataset's name in the datasets hub, as well as on the dataset's details page. Providing a meaningful description helps foster dataset reuse. For instance, based on a dataset's description, users may decide to explore reports that are based on the dataset, or to create their own reports based on the dataset.







2)Preprocessing:

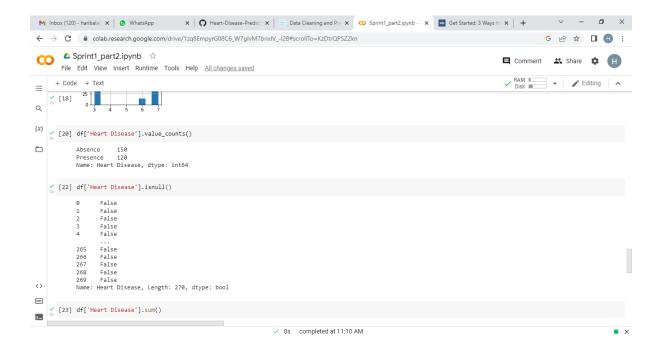
->Data preprocessing is a process of preparing the raw data and making it suitable for a machine learning model. It is the first and crucial step while creating a machine learning model.

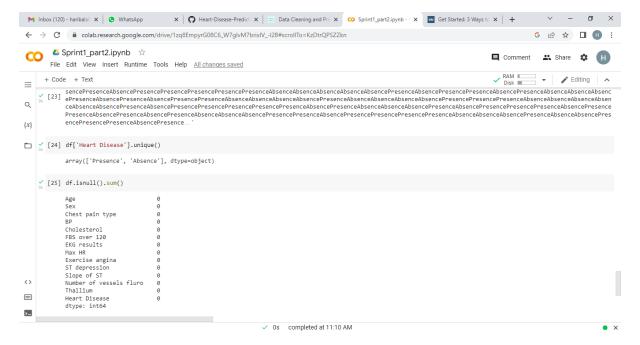
When creating a machine learning project, it is not always a case that we come across the clean and formatted data. And while doing any operation with data, it is mandatory to clean it and put in a formatted way. So for this, we use data preprocessing task.

->A real-world data generally contains noises, missing values, and maybe in an unusable format which cannot be directly used for machine learning models. Data preprocessing is required tasks for cleaning the data and making it suitable for a machine learning model which also increases the accuracy and efficiency of a machine learning model.

Steps:

- ->Getting the dataset
- o Importing libraries
- Importing datasets
- o Finding Missing Data
- o Encoding Categorical Data
- o Splitting dataset into training and test set
- Feature scaling





3)Cleaning:

->Data scientists spend a large amount of their time cleaning datasets and getting them down to a form with which they can work. In fact, a lot of data scientists argue that the initial steps of obtaining and cleaning data constitute 80% of the job.

Therefore, if you are just stepping into this field or planning to step into this field, it is important to be able to deal with messy data, whether that means missing values, inconsistent formatting, malformed records, or nonsensical outliers.

->Cleaning is not needed as this dataset already ready to solve the problem.