

## SPRINT-2

Date	06 November 2022
Team ID	PNT2022TMID53213
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Visualizing the data to get more understanding

The screenshot shows a Google Colab notebook with the following elements:


- Top Bar:** Includes a menu icon, a search icon, and buttons for "+ Code" and "+ Text".
- File Upload Section:** A "Choose Files" button is followed by the filename "Heart\_Dise...rediction.csv". Below it, a list shows "Heart\_Disease\_Prediction.csv(text/csv) - 11928 bytes, last modified: 10/29/2022 - 100% done" and a message "Saving Heart\_Disease\_Prediction.csv to Heart\_Disease\_Prediction.csv".
- Code Cell [2]:** Contains a block of Python code for importing libraries: 

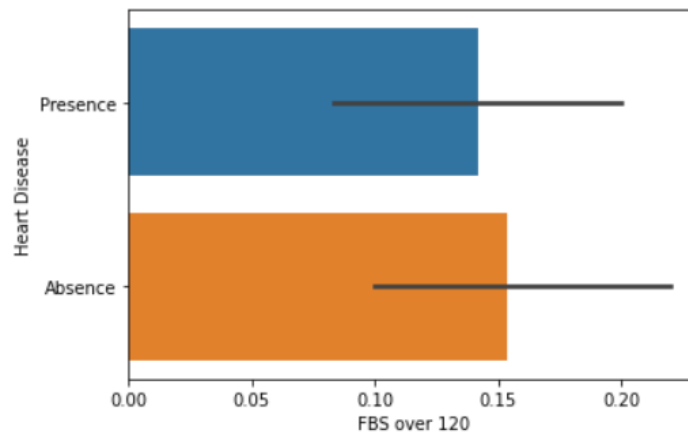
```
import sklearn
import numpy as np
import pandas as pd
import plotly as plot
import plotly.express as px
import plotly.graph_objs as go

import cufflinks as cf
import matplotlib.pyplot as plt
import seaborn as sns
import os
from sklearn.metrics import accuracy_score, mean_squared_error
import plotly.offline as pyo
from plotly.offline import init_notebook_mode, plot, iplot
```
- Code Cell [4]:** Contains the code to read the CSV file: 

```
heart=pd.read_csv('Heart_Disease_Prediction.csv')
```

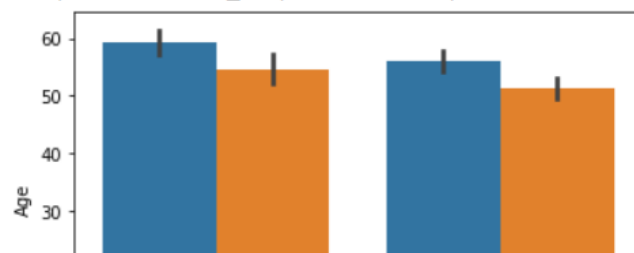
+ Code + Text


```
✓ 0s  sns.barplot(x="FBS over 120", y="Heart Disease", data=heart)  
plt.show()
```




```
✓ 0s [9] sns.barplot(x=heart['Sex'],y=heart['Age'],hue=heart['Heart Disease'])
```

<matplotlib.axes.\_subplots.AxesSubplot at 0x7fc23f85c410>

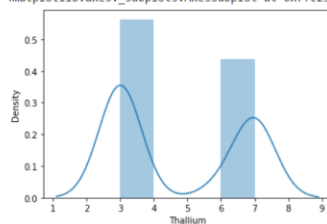


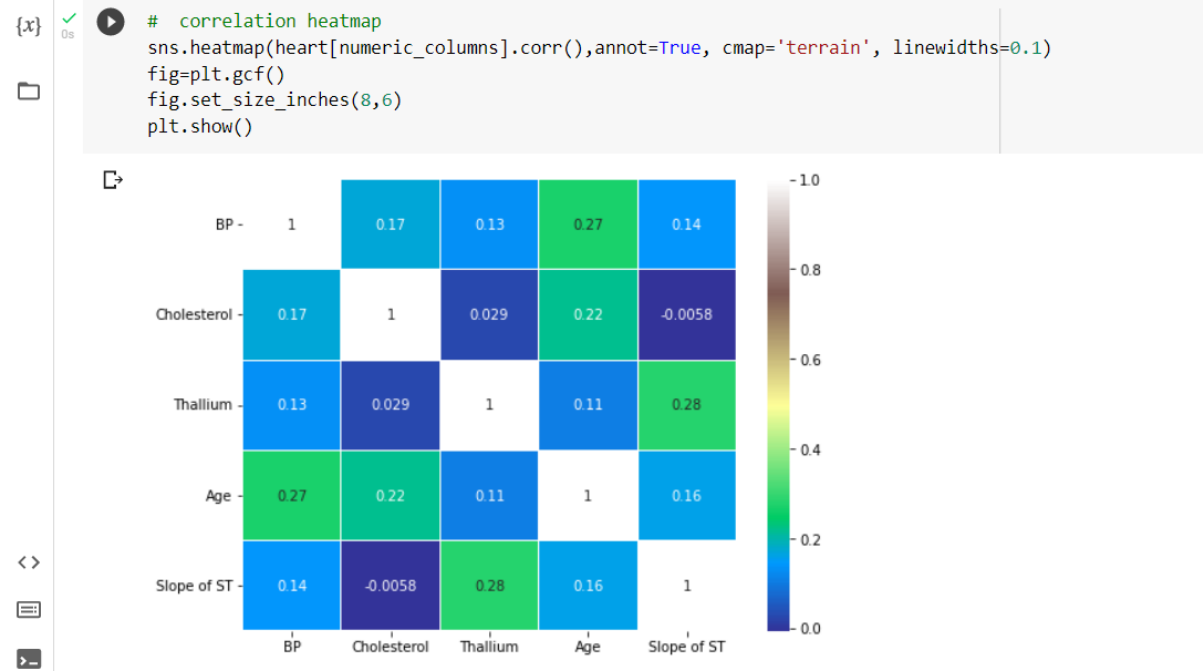
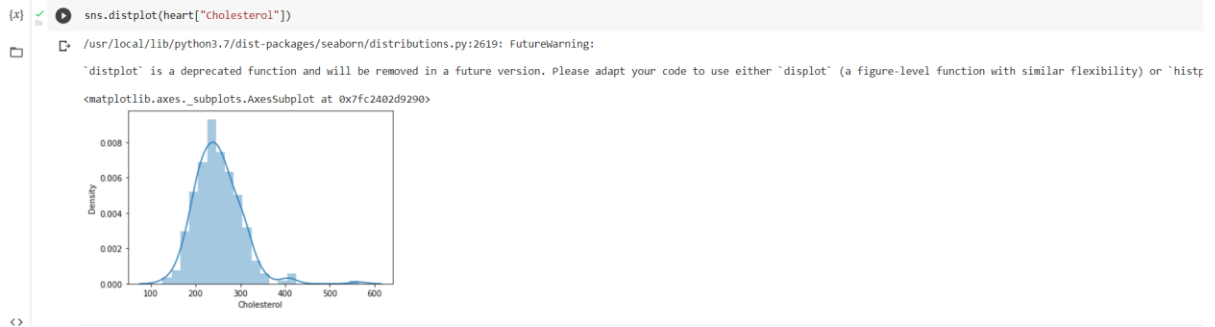
```
✓ 0s  sns.distplot(heart["Thallium"])
```

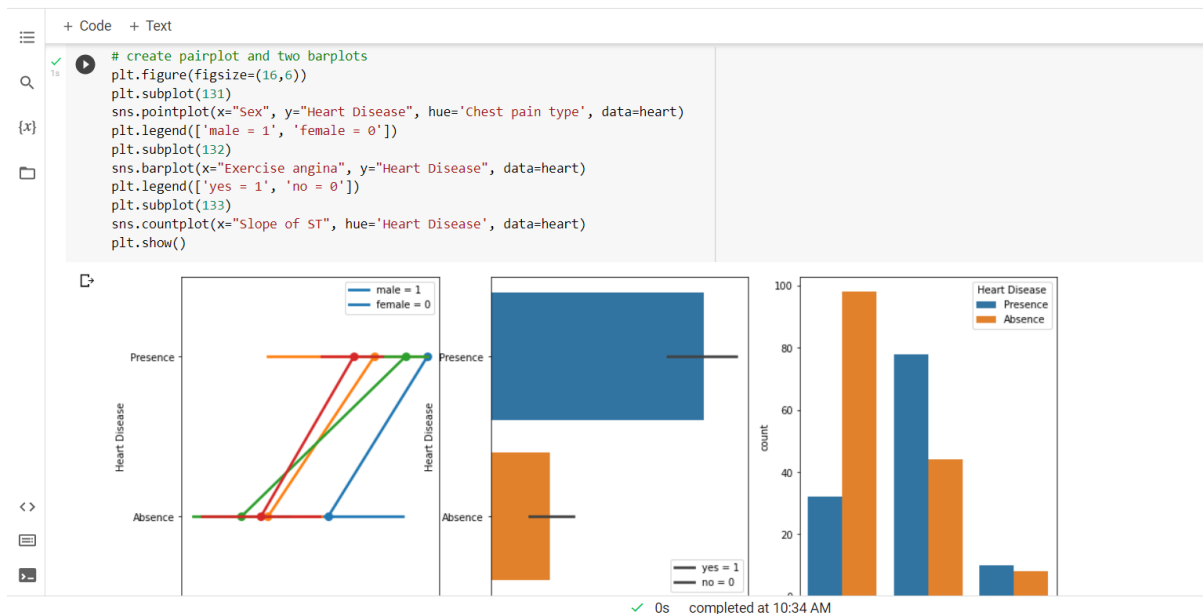
 /usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning:

'distplot' is a deprecated function and will be removed in a future version. Please adapt your code to use either 'displot' (a figure-level function with similar flexibility)

<matplotlib.axes.\_subplots.AxesSubplot at 0x7fc23f923350>







```
[4] heart=pd.read_csv('Heart_Disease_Prediction.csv')
```

```
plt.bar(x=heart['Sex'],height=heart['Age'])
plt.show()
```

