

## SPRINT-2

Date	06 November 2022
Team ID	PNT2022TMID21605
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Visualizing the data to get more understanding



The screenshot displays a Jupyter Notebook interface with a sidebar on the left containing icons for a menu, search, variables, and files. The main area shows three code cells. The first cell, labeled '1m', contains a single line of code: `from google.colab import files` followed by `uploaded=files.upload()`. Below this code is a file upload dialog showing a file named 'Heart\_Disease\_Prediction.csv' (11928 bytes, last modified: 10/29/2022) with a '100% done' status. The second cell, labeled '[2]' and '4s', contains a block of import statements for various libraries including sklearn, numpy, pandas, plotly, cufflinks, matplotlib, seaborn, and os. The third cell, labeled '[4]' and '0s', contains the code `heart=pd.read_csv('Heart_Disease_Prediction.csv')`.

```
+ Code + Text

from google.colab import files
uploaded=files.upload()

Choose Files Heart_Disease_Prediction.csv
• Heart_Disease_Prediction.csv(text/csv) - 11928 bytes, last modified: 10/29/2022 - 100% done
Saving Heart_Disease_Prediction.csv to Heart_Disease_Prediction.csv

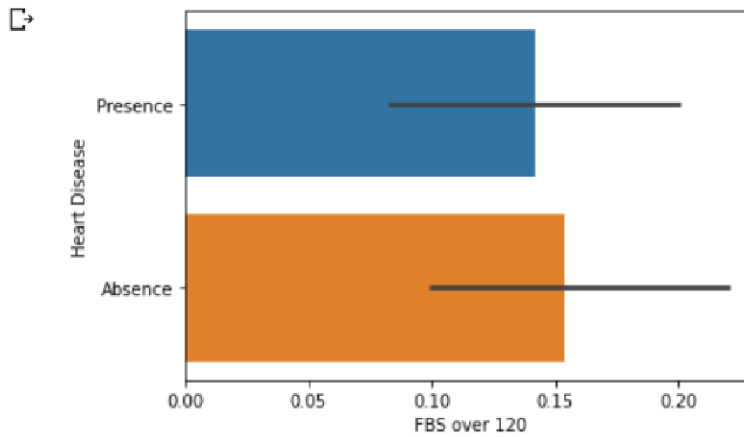
[2] import sklearn
import numpy as np
import pandas as pd
import plotly as plot
import plotly.express as px
import plotly.graph_objs as go

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

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

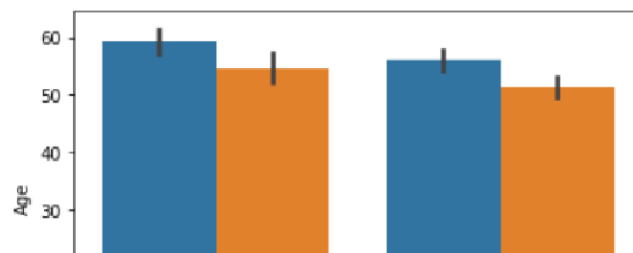
+ Code + Text

```
✓ 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>

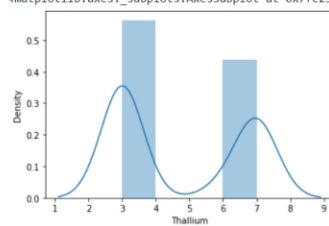


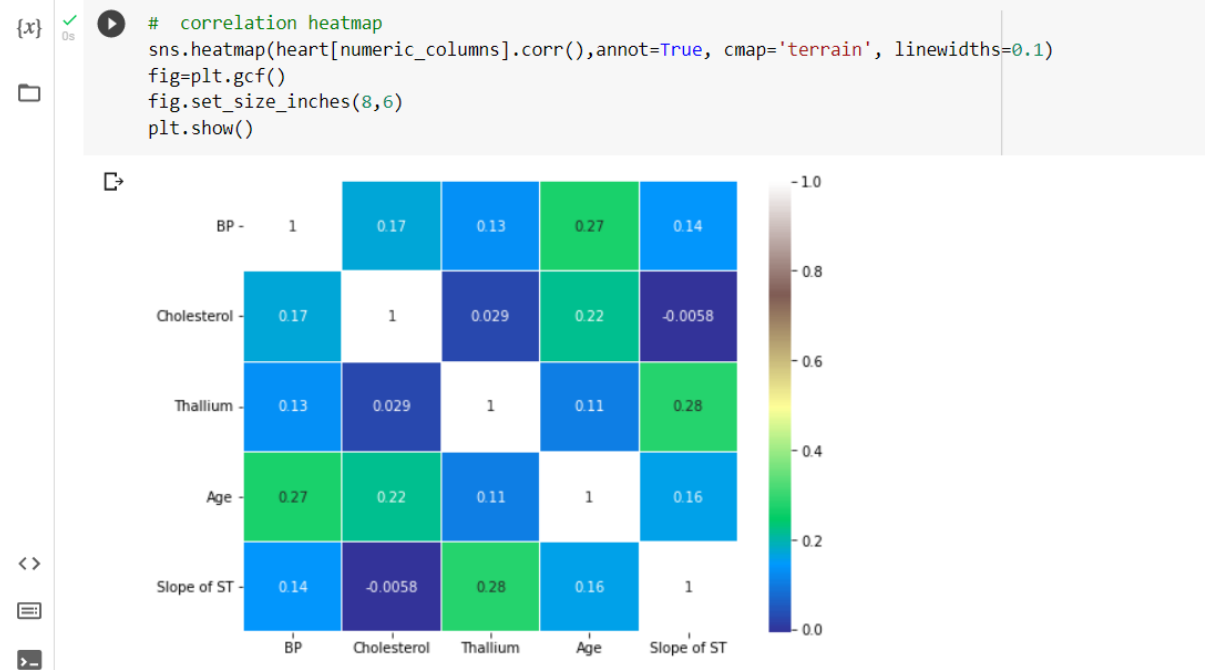
```
✓ 0s sns.distplot(heart["Thallium"])
```

/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()
```

