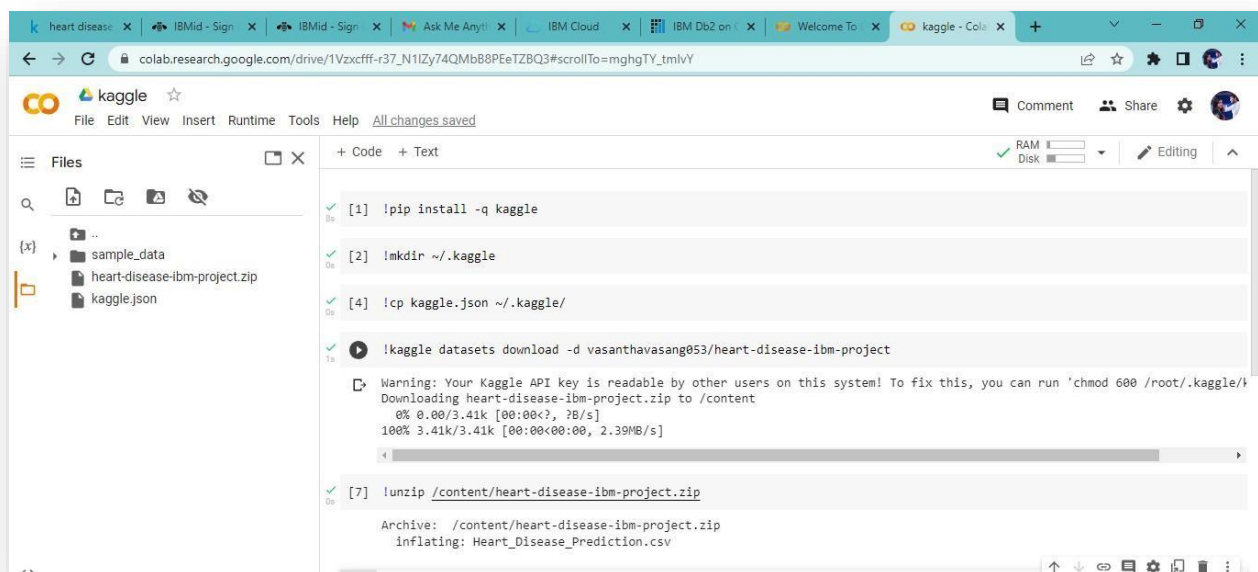


# Working with Dataset

Date	05 November 2022
Team ID	PNT2022TMID26940
Project Name	Visualizing And Predicting Heart Diseases with An Interactive Dash Board

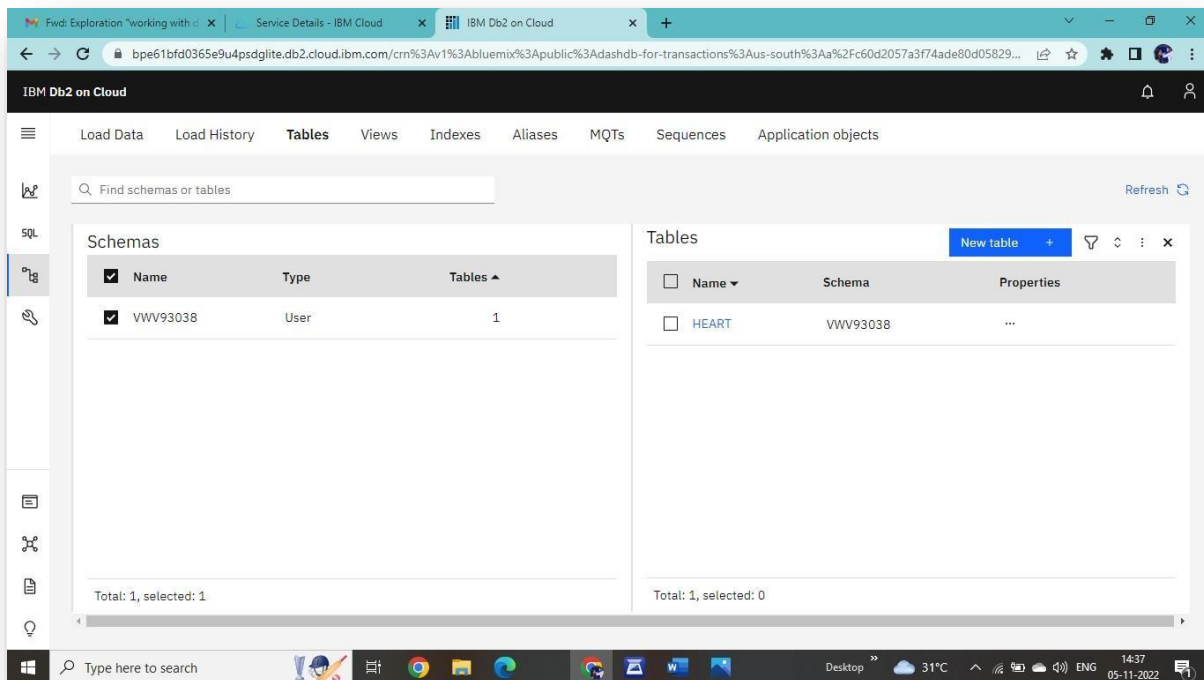
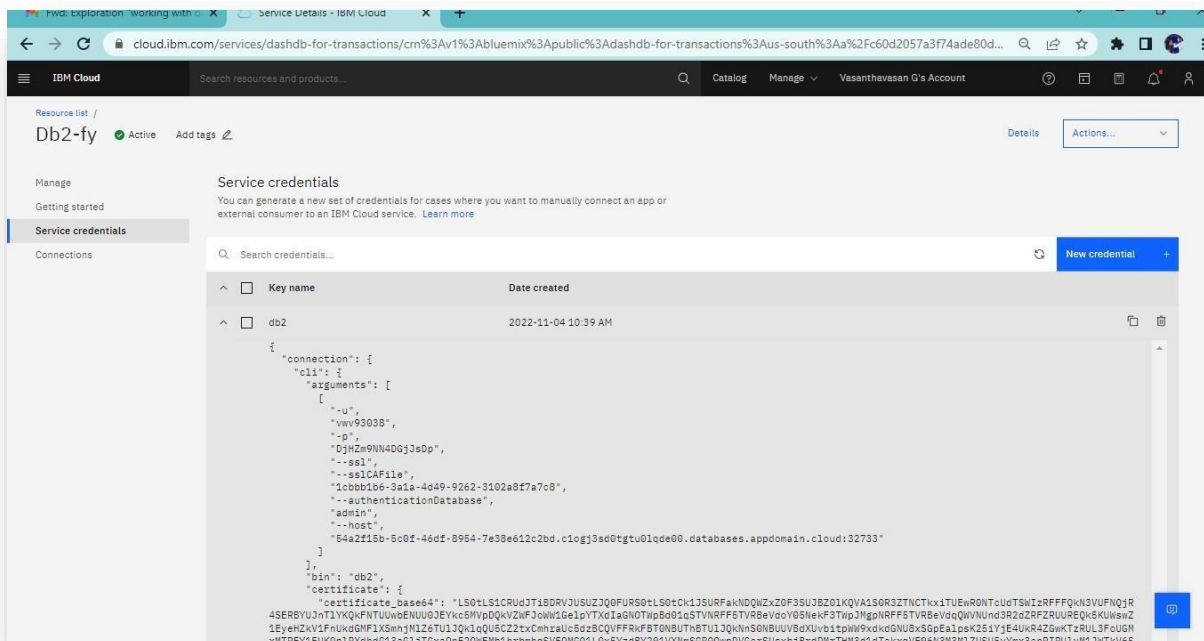
## Loading and Understanding the Dataset



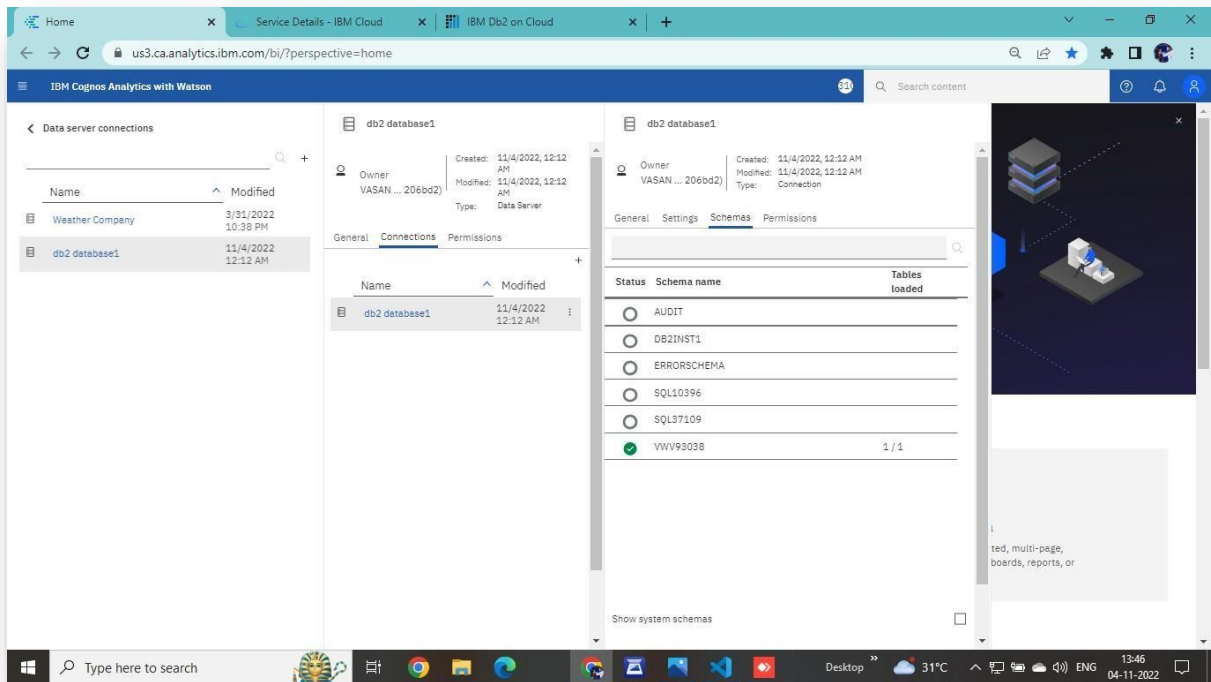
The screenshot shows a Google Colab notebook interface. The left sidebar displays the file explorer with a folder named 'sample\_data' containing 'heart-disease-ibm-project.zip' and 'kaggle.json'. The main area shows a code cell with the following commands:

```
[1] !pip install -q kaggle
[2] !mkdir ~/.kaggle
[4] !cp kaggle.json ~/.kaggle/
!kaggle datasets download -d vasanthavasang053/heart-disease-ibm-project
Warning: Your Kaggle API key is readable by other users on this system! To fix this, you can run 'chmod 600 /root/.kaggle/'
Downloading heart-disease-ibm-project.zip to /content
0% 0.00/3.41k [00:00<?, ?B/s]
100% 3.41k/3.41k [00:00<00:00, 2.39MB/s]
[7] !unzip /content/heart-disease-ibm-project.zip
Archive: /content/heart-disease-ibm-project.zip
inflating: Heart_Disease_Prediction.csv
```

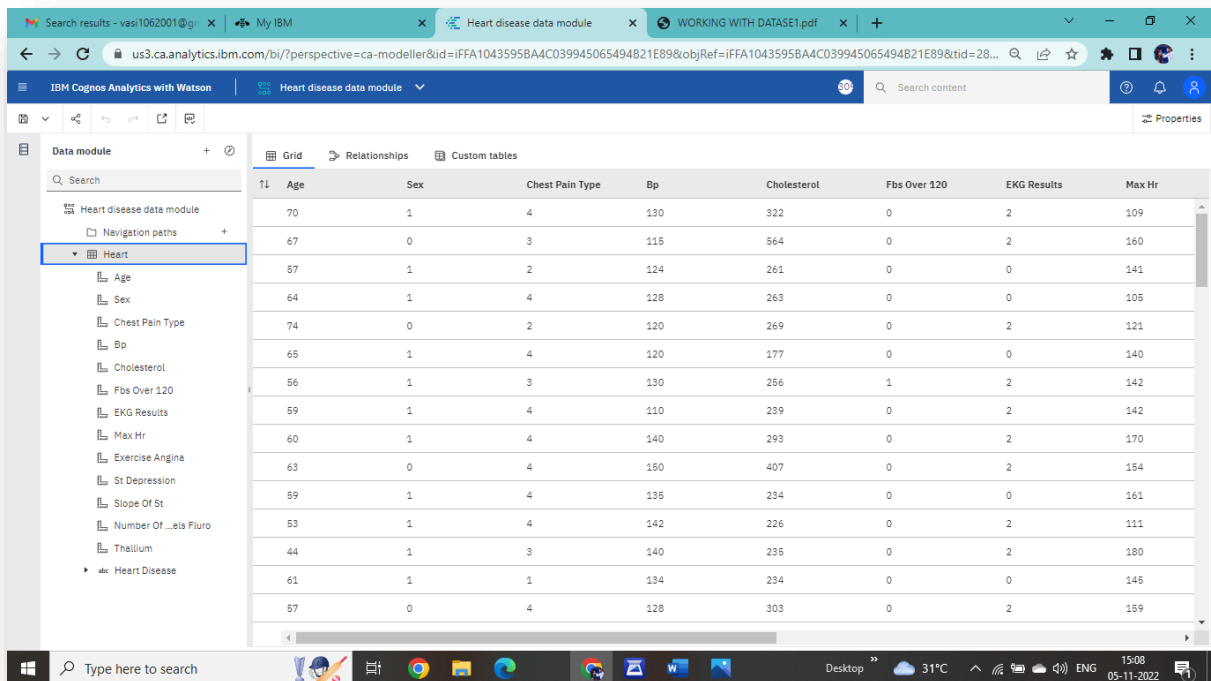
## Successfully created Db2 Service Credential



# Successfully connected IBM Cloud Db2 to Cognos Analytics

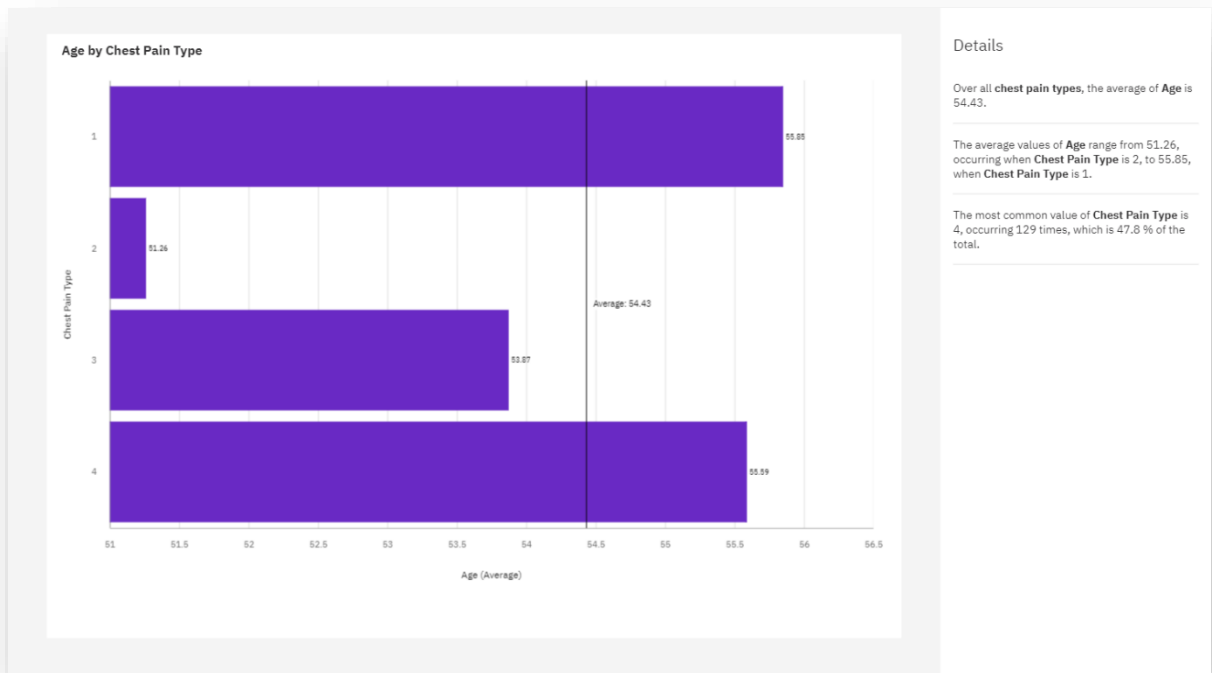


## Data Preparation (Data Module)

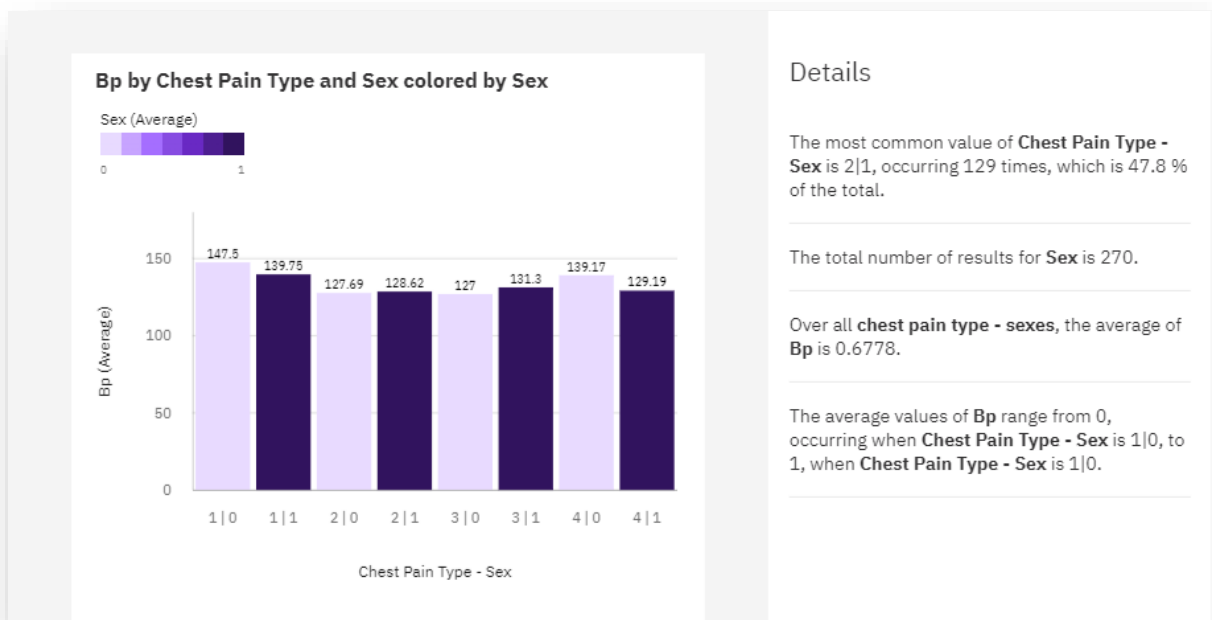


## Exploration of Data:

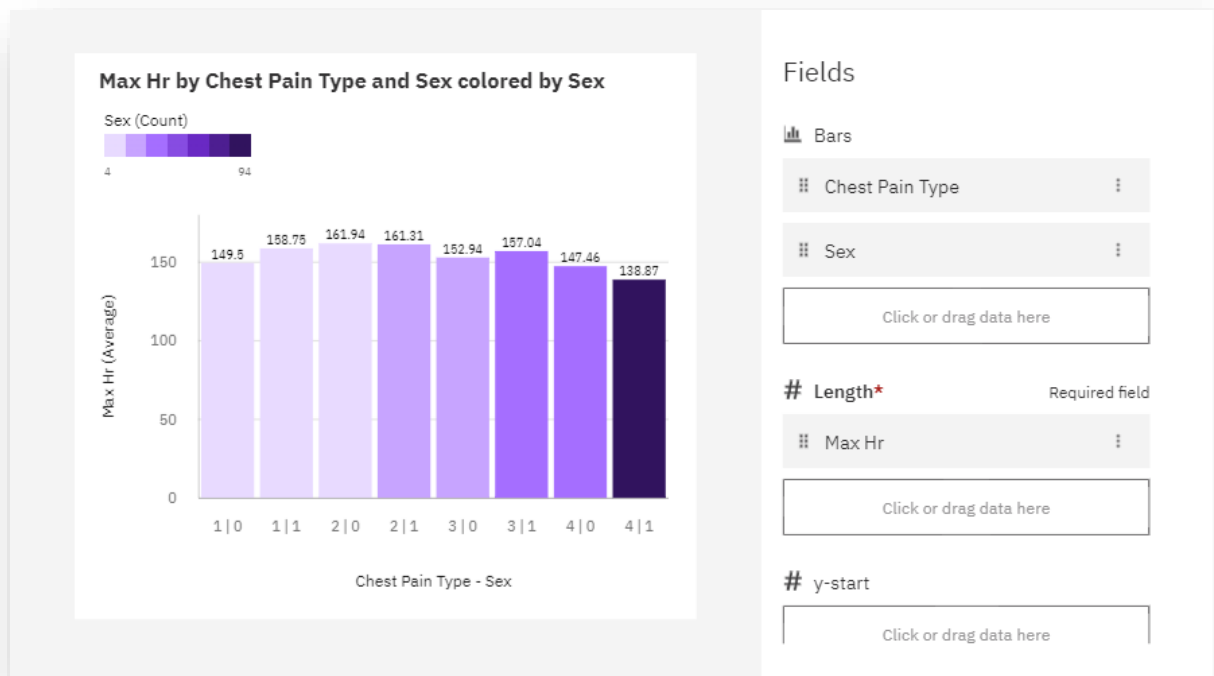
### Age by Chest pain type



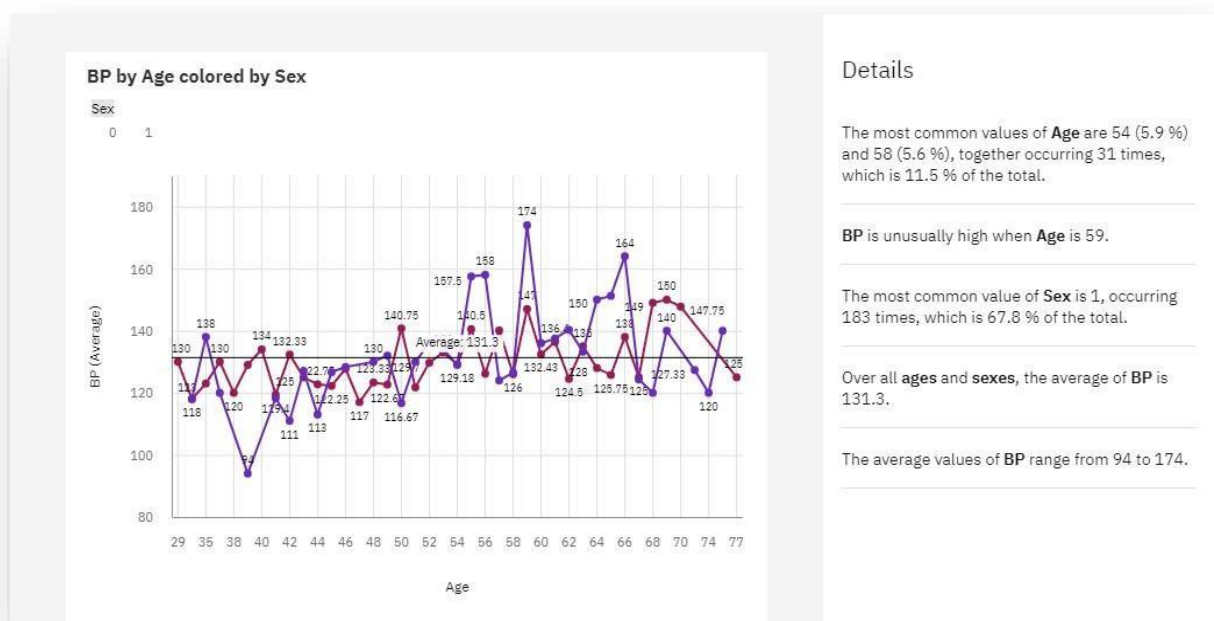
## Exploration of BP vs Chest pain type and Gender



## Exploration of Max Heart Rate with Chest pain

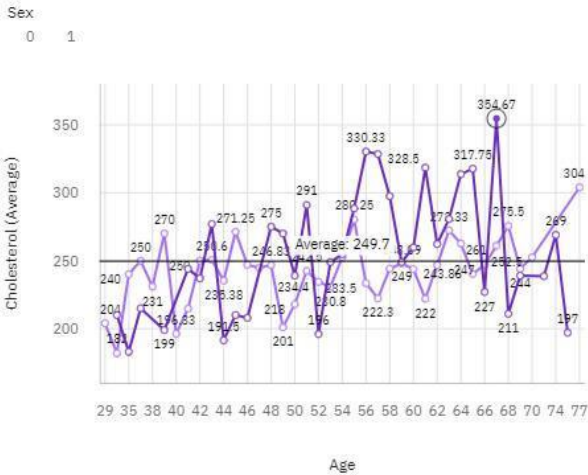


## Exploration of BP by Age



# Exploration of Cholesterol by Age and Gender

Cholesterol by Age colored by Sex



## Analytics

### Insights

#### Show average value

The average value of Cholesterol is 249.7.

#### Show meaningful differences

1 found

#### Show predictive strength

There is no reliable predictive relationship between Age, Sex and Cholesterol.