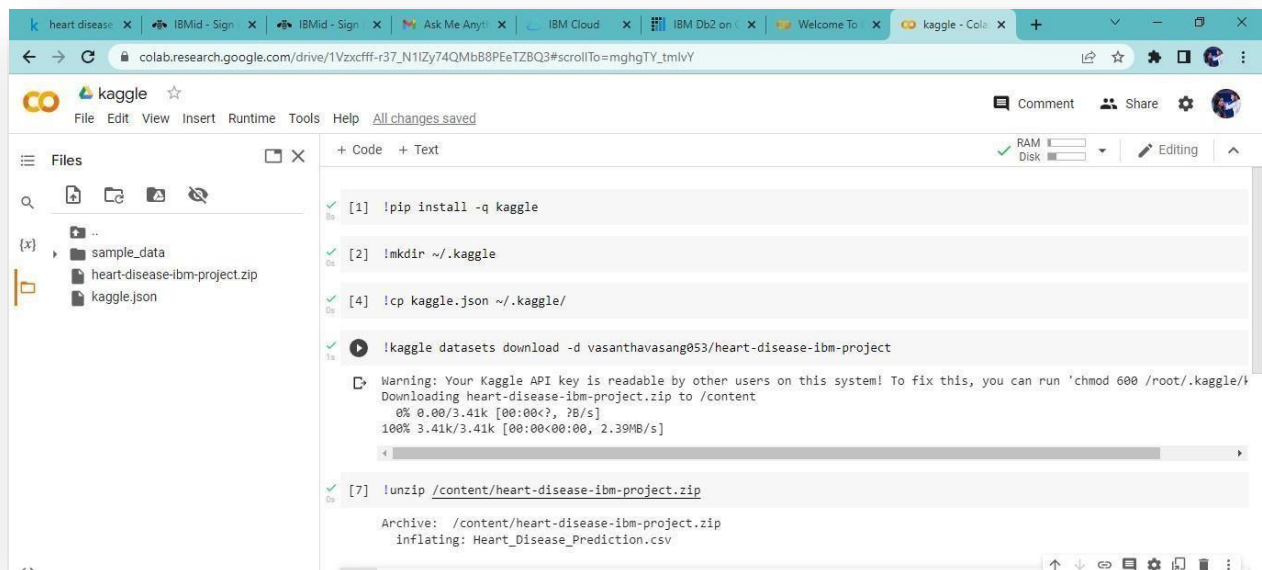


Working with Dataset

Date	05 November 2022
Team ID	PNT2022TMID46792
Project Name	Visualizing And Predicting Heart Diseases with An Interactive Dash Board

Loading and Understanding the Dataset

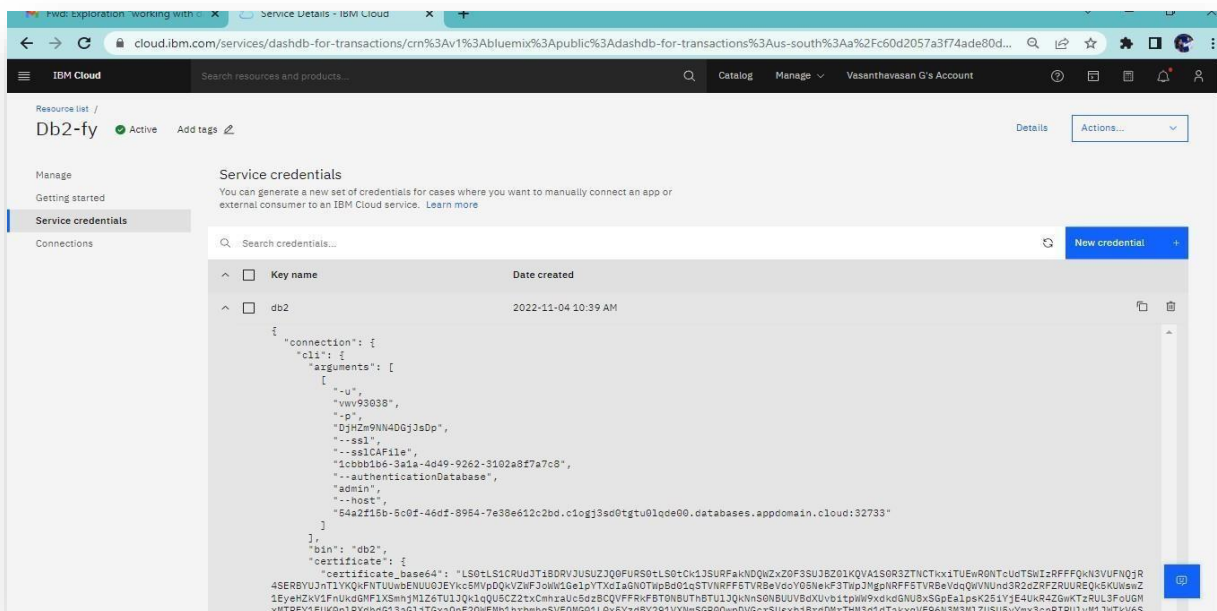
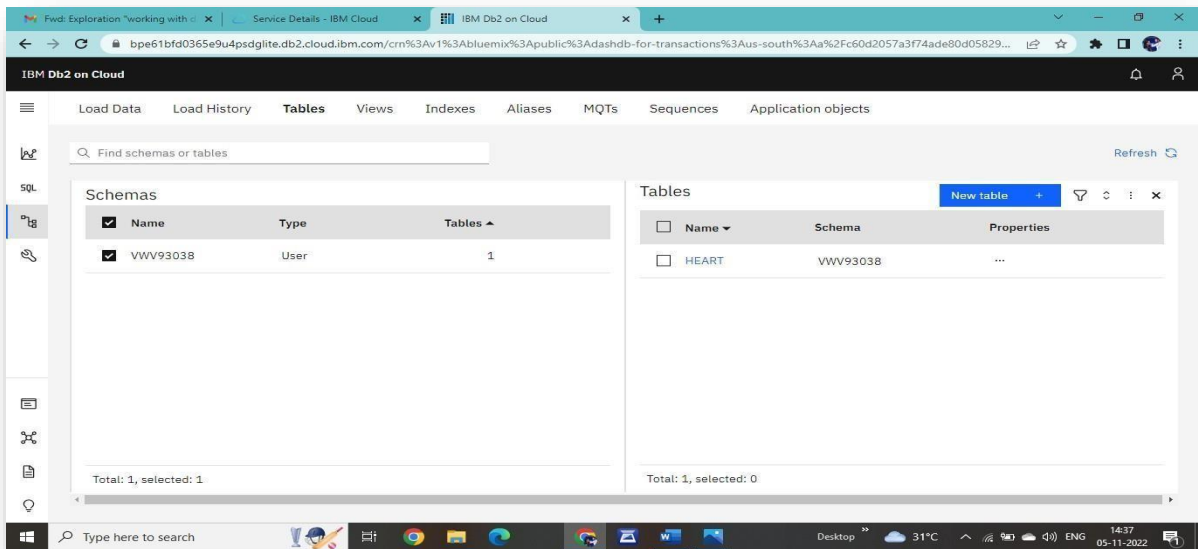


The screenshot shows a Google Colab notebook interface. The left sidebar displays the file explorer with a folder named 'sample_data' containing 'heart-disease-ibm-project.zip' and 'kaggle.json'. The main area shows a code cell with the following commands:

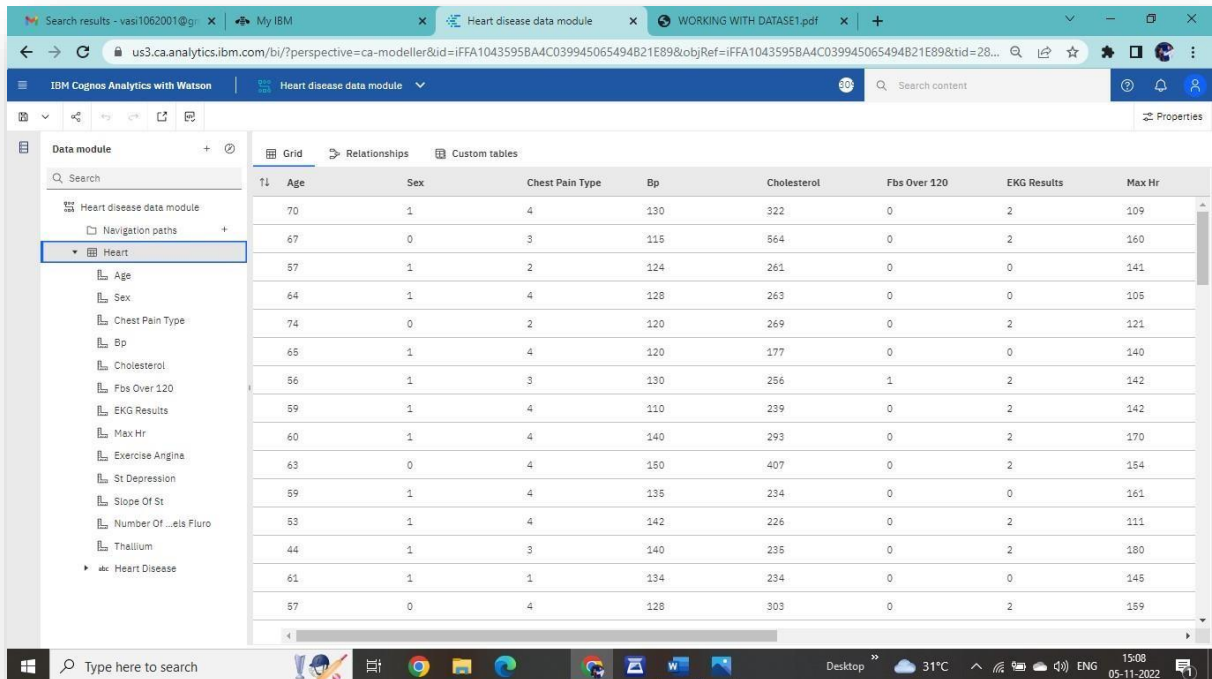
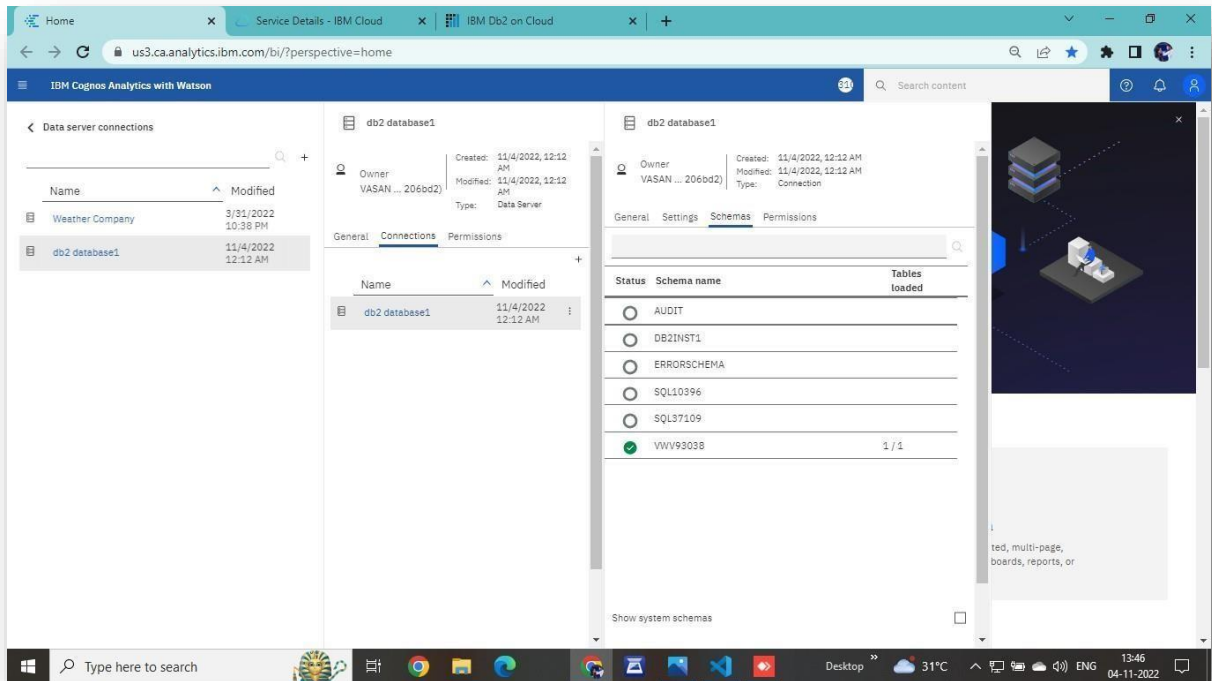
```
[1] !pip install -q kaggle
[2] !mkdir ~/.kaggle
[4] !cp kaggle.json ~/.kaggle/
[5] !kaggle datasets download -d vasanthavasang053/heart-disease-ibm-project
Warning: Your Kaggle API key is readable by other users on this system! To fix this, you can run 'chmod 600 /root/.kaggle/kaggle.json'
Downloading 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
```

The bottom right corner of the notebook shows the RAM and Disk usage indicators.

Successfully created Db2 Service Credential

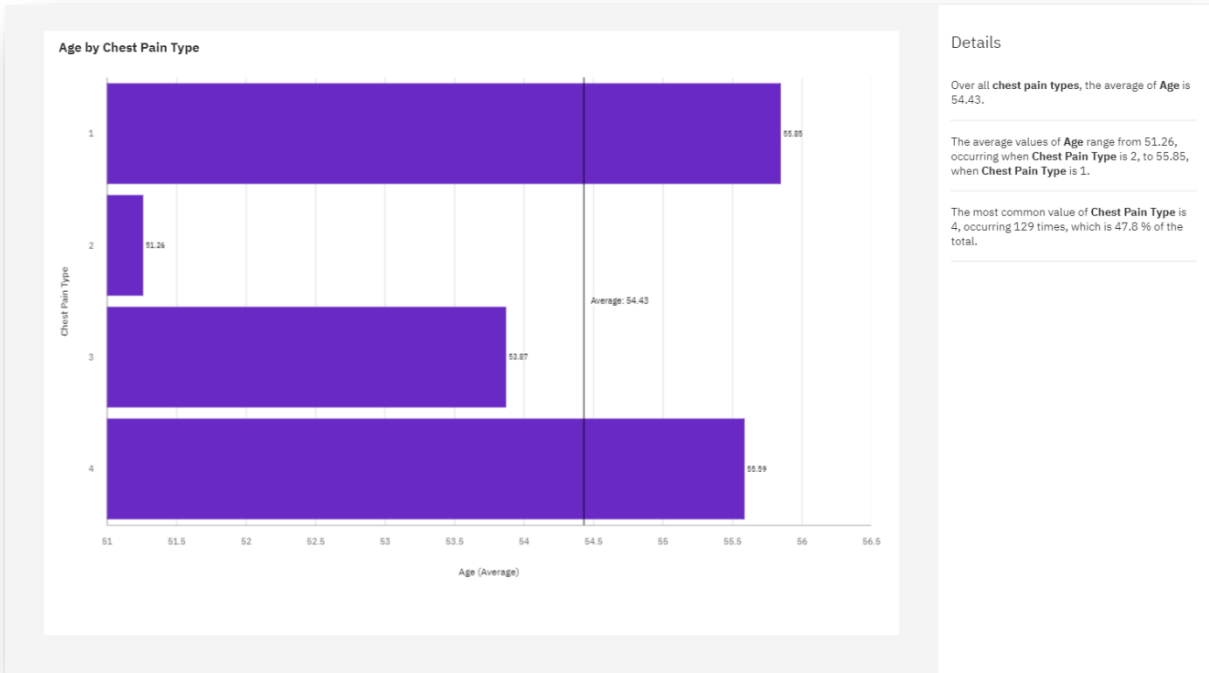


Successfully connected IBM Cloud Db2 to Cognos Analytics

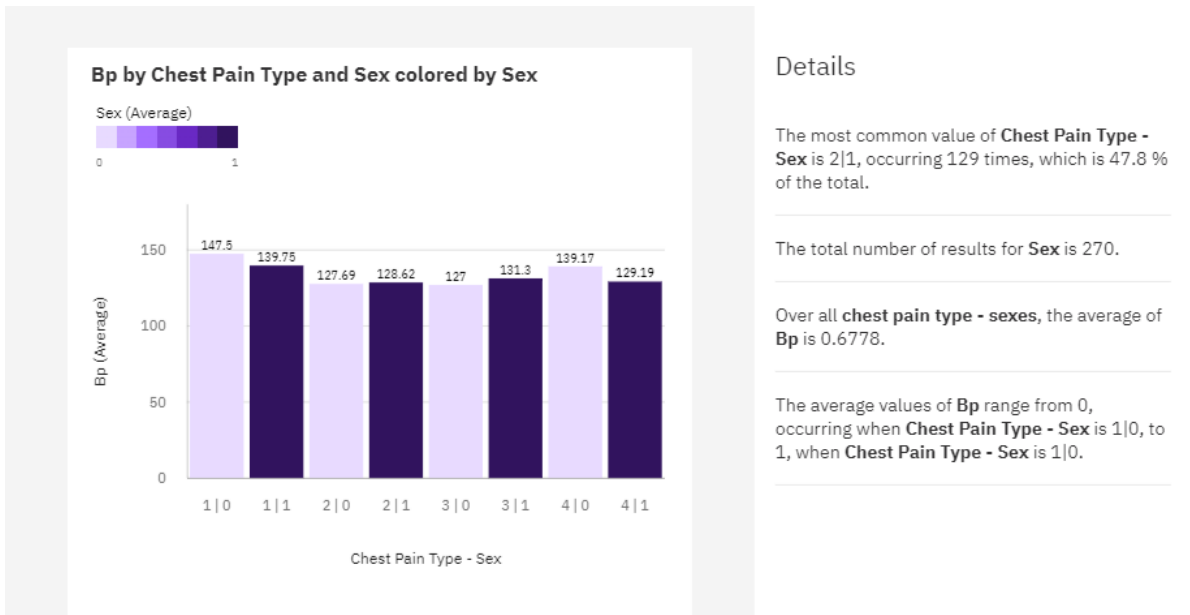


Data Preparation (Data Module) Exploration of Data:

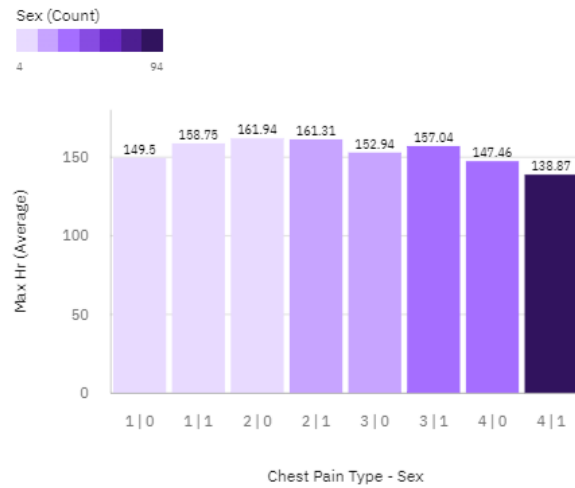
Age by Chest pain type



Exploration of Bp vs Chest pain type and Gender



Max Hr by Chest Pain Type and Sex colored by Sex



Fields

Bars

Chest Pain Type

Sex

Click or drag data here

Length* Required field

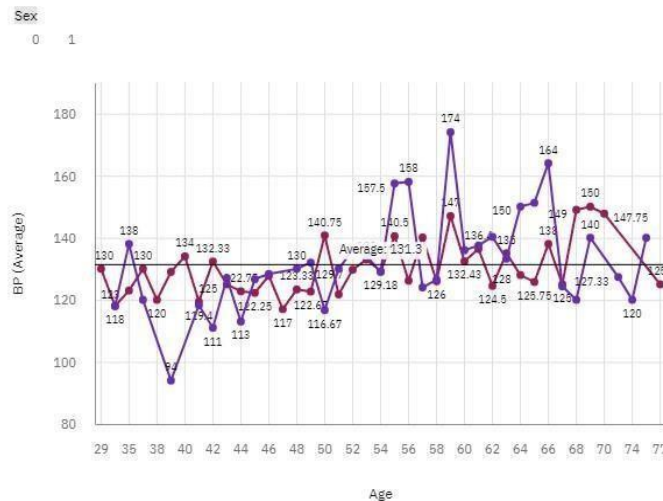
Max Hr

Click or drag data here

y-start

Click or drag data here

BP by Age colored by Sex



Details

The most common values of **Age** are 54 (5.9 %) and 58 (5.6 %), together occurring 31 times, which is 11.5 % of the total.

BP is unusually high when **Age** is 59.

The most common value of **Sex** is 1, occurring 183 times, which is 67.8 % of the total.

Over all **ages** and **sexes**, the average of **BP** is 131.3.

The average values of **BP** range from 94 to 174.

Exploration of Cholesterol by Age and Gender

