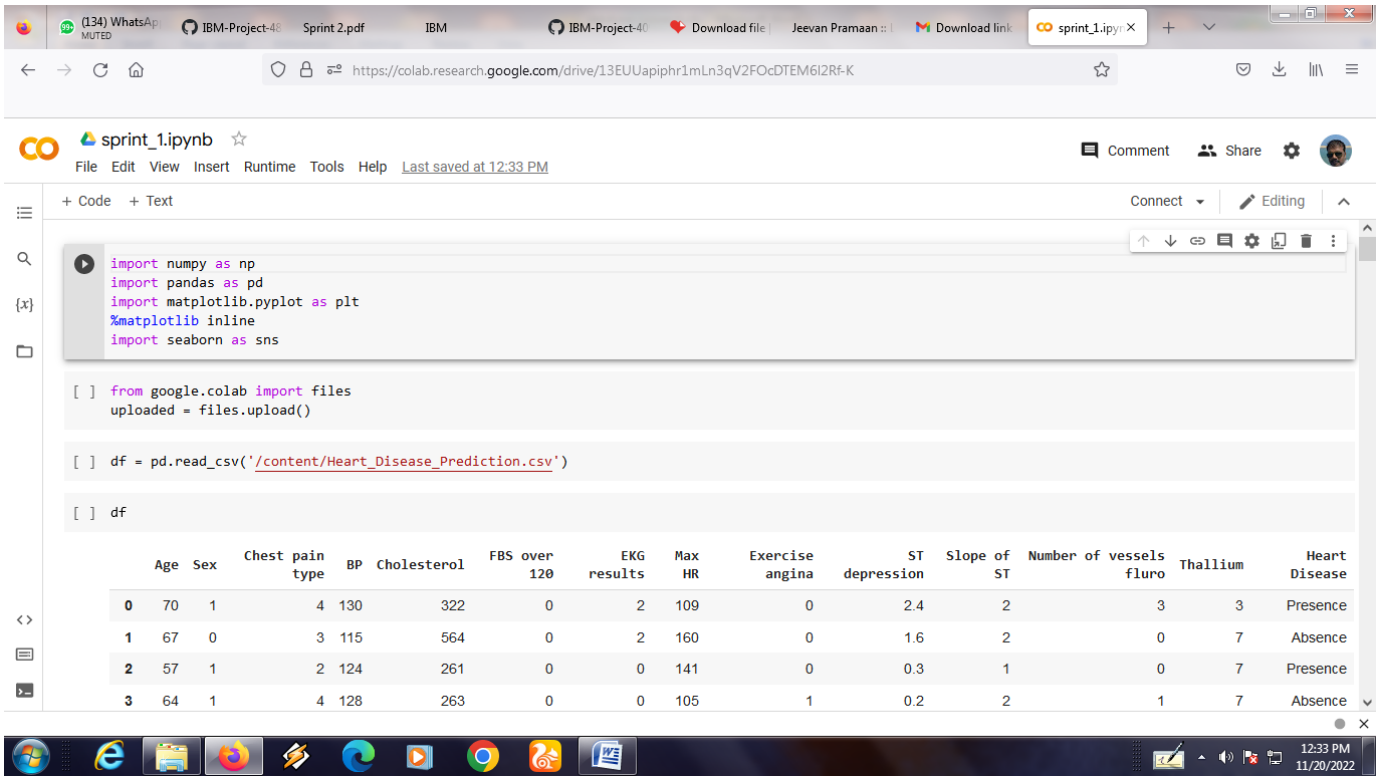
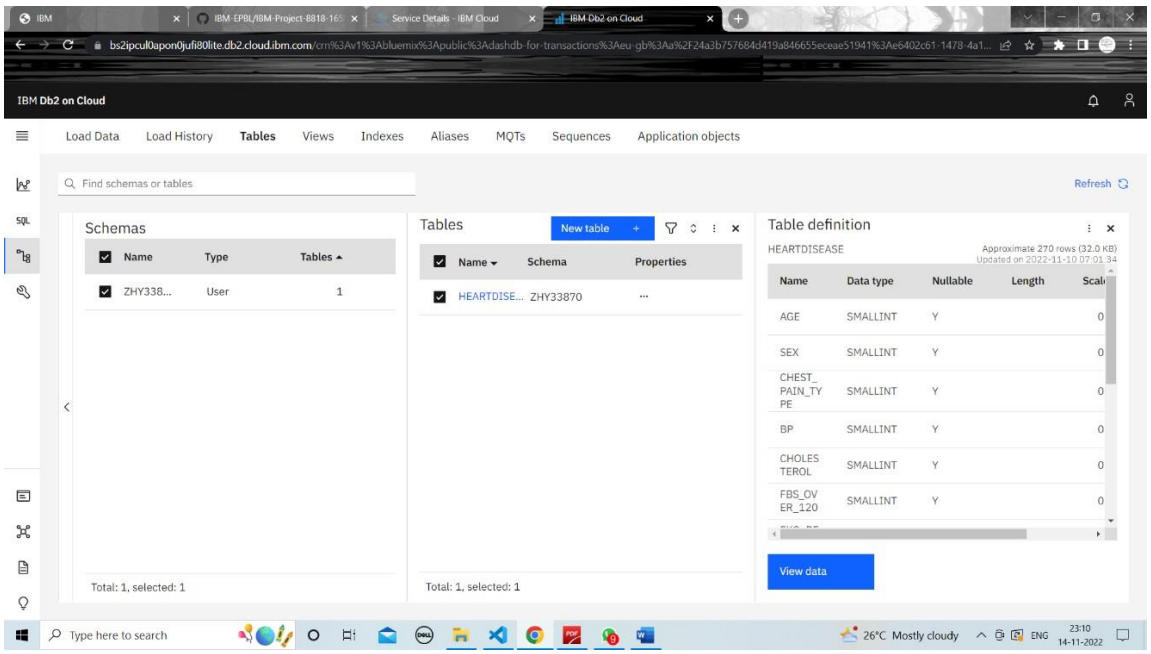
Sprint Deliverables

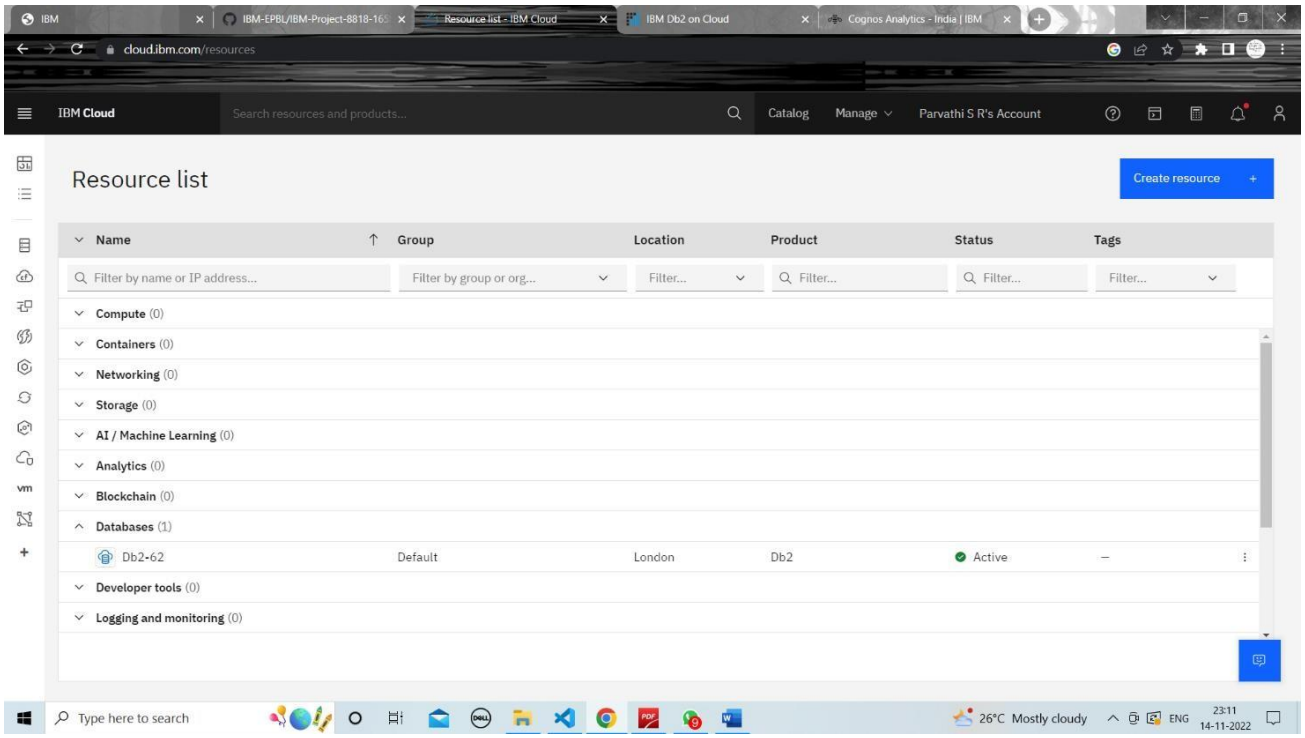
Date	15 November 2022
Team ID	PNT2022TMID38367
Project Name	Project – Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	4 Marks

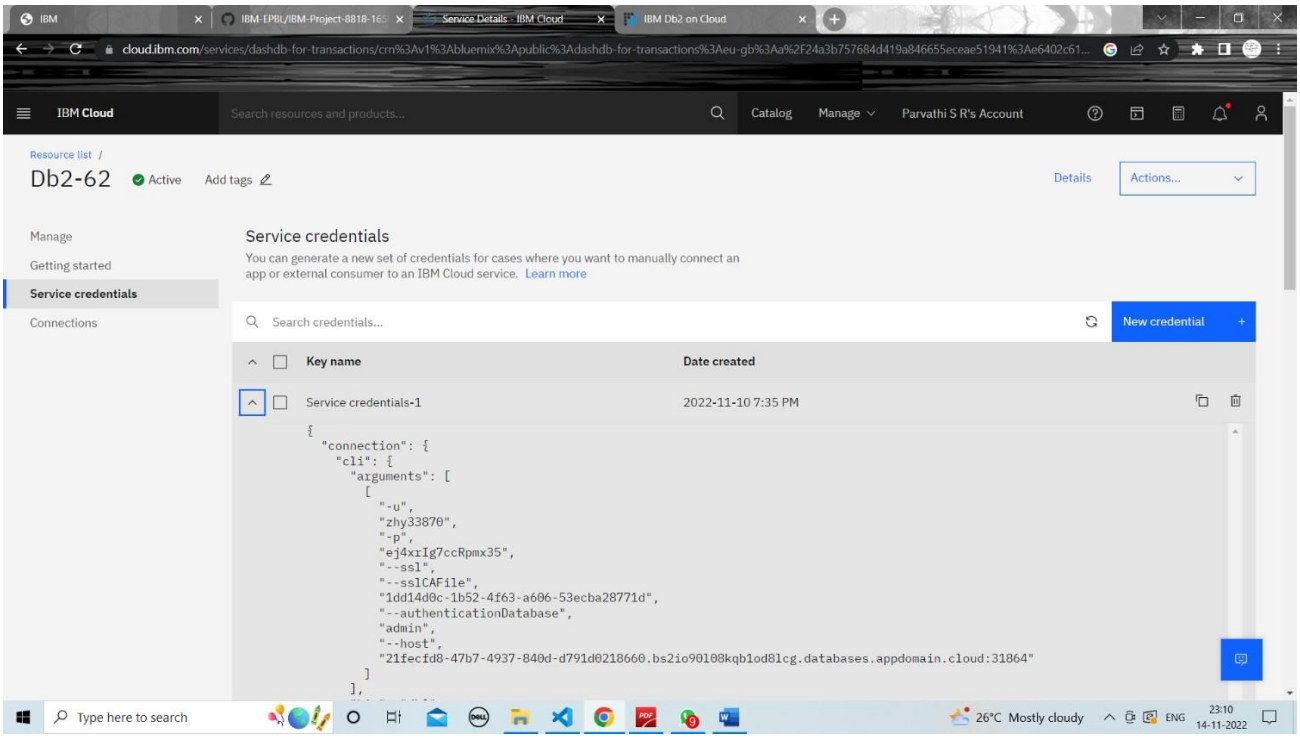
Loading and Understanding the Dataset:



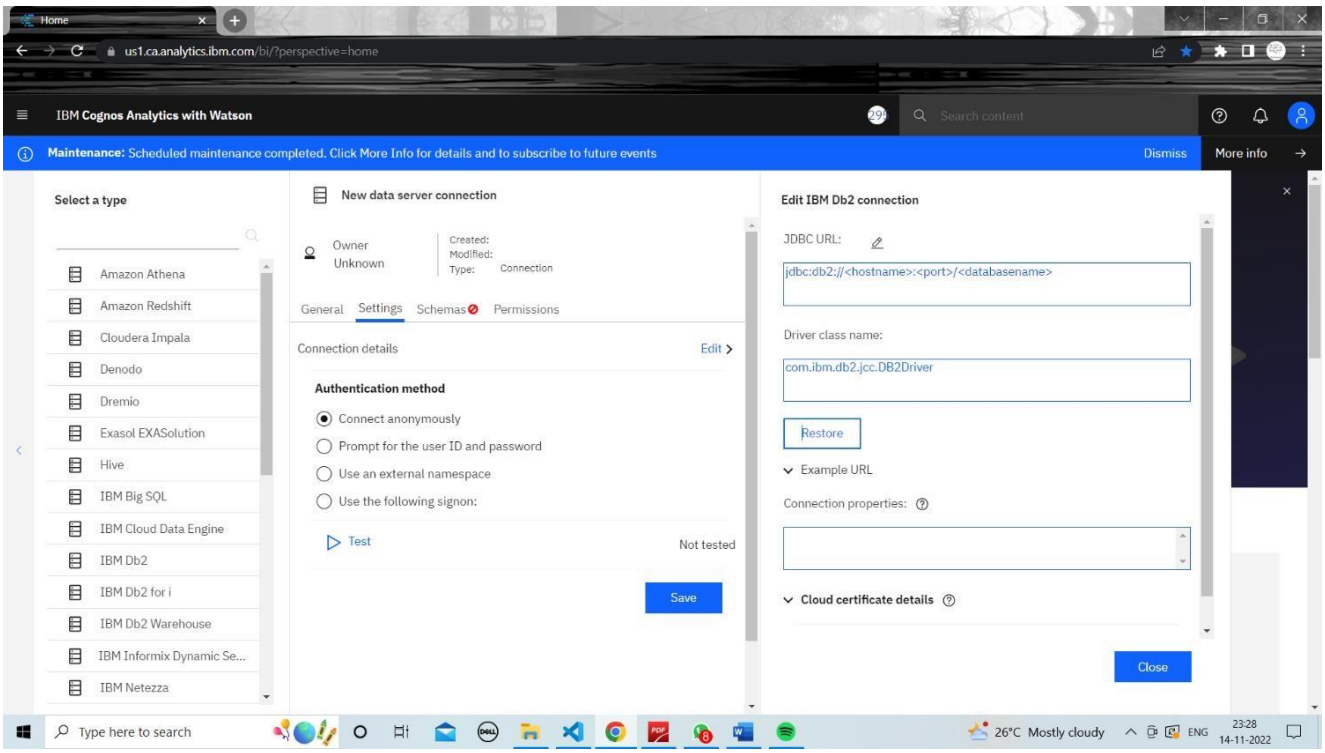
Activating Db2 Service credentials in IBM cloud:

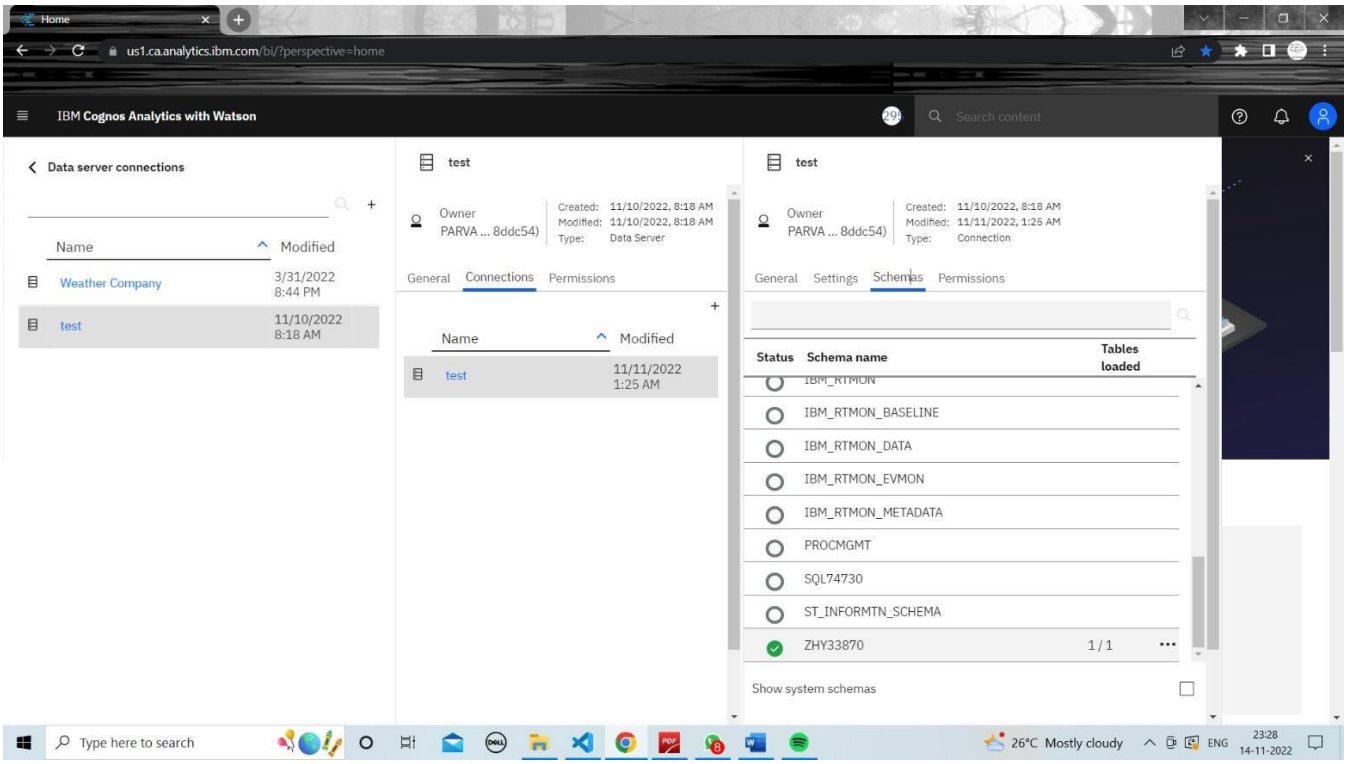



IBM
IBM-EPBL/IBM-Project-8818-16
Resource list - IBM Cloud
IBM Db2 on Cloud
Cognos Analytics - India | IBM
cloud.ibm.com/resources
IBM Cloud
Search resources and products...
Catalog
Manage
Parvathi S R's Account
Resource list
Create resource
Name
Group
Location
Product
Status
Tags
Filter by name or IP address...
Filter by group or org...
Filter...
Compute (0)
Containers (0)
Networking (0)
Storage (0)
AI / Machine Learning (0)
Analytics (0)
Blockchain (0)
Databases (1)
Db2-62
Default
London
Db2
Active
Developer tools (0)
Logging and monitoring (0)
Type here to search
26°C Mostly cloudy
ENG
23:11
14-11-2022

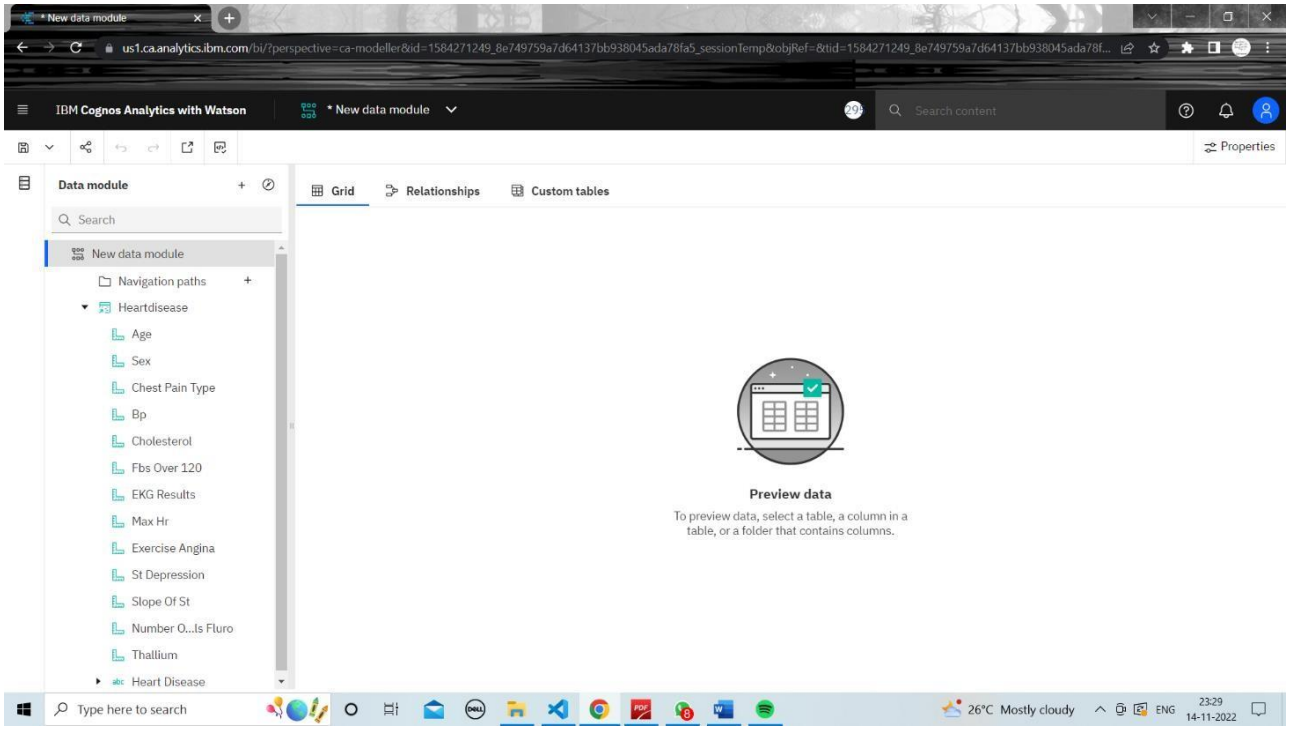

IBM
IBM-EPBL/IBM-Project-8818-16
Service Details - IBM Cloud
IBM Db2 on Cloud
cloud.ibm.com/services/dashdb-for-transactions/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2F24a3b757684d419a846655eceae51941%3Ae6402c61...
IBM Cloud
Search resources and products...
Catalog
Manage
Parvathi S R's Account
Resource list /
Db2-62
Active
Add tags
Details
Actions...
Manage
Getting started
Service credentials
Connections
Service credentials
You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. Learn more
Search credentials...
New credential
Key name
Date created
Service credentials-1
2022-11-10 7:35 PM
{
"connection": {
"cli": {
"arguments": [
[
"-u",
"zhy33870",
"-p",
"ej4xrIg7ccRpmx35",
"--ssl",
"--sslCAFile",
"1dd14d0c-1b52-4f63-a606-53ecba28771d",
"--authenticationDatabase",
"admin",
"--host",
"21fecfd8-47b7-4937-840d-d791d0218660.bs2io90108kqb1od8lcg.databases.appdomain.cloud:31864"
]
],
Type here to search
26°C Mostly cloudy
ENG
23:10
14-11-2022

Connecting IBM Db2 Service to IBM Cognos Analytics Tool:

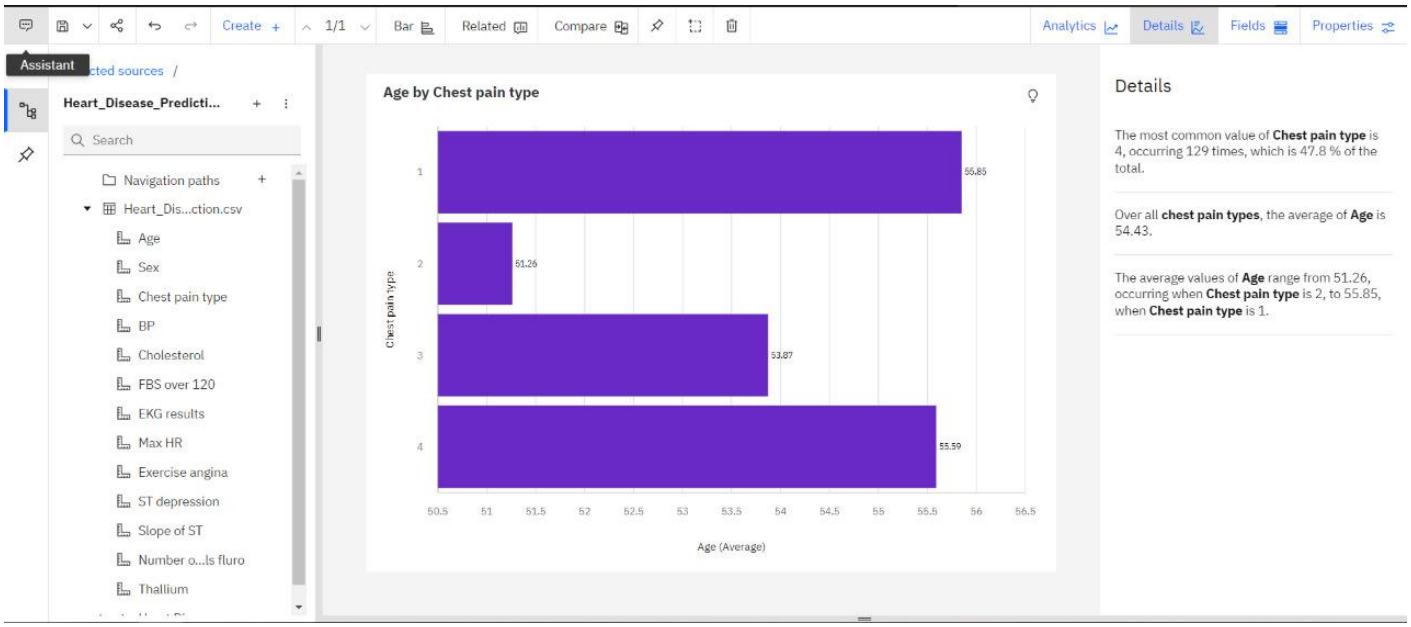


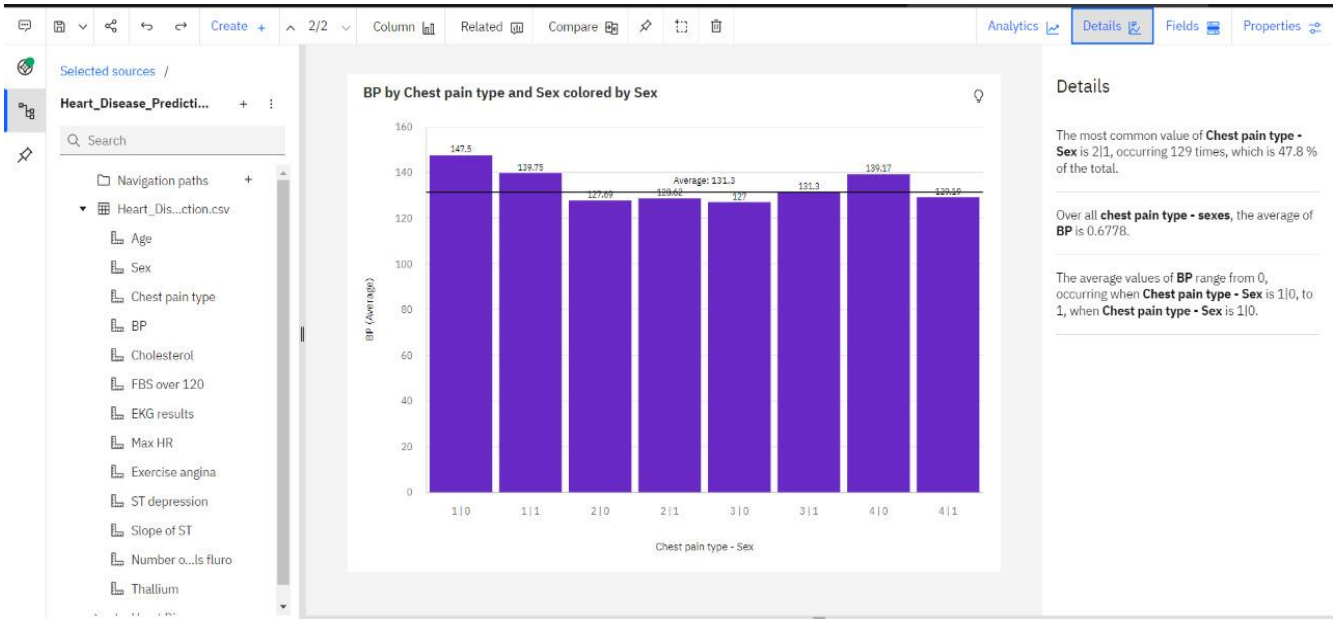


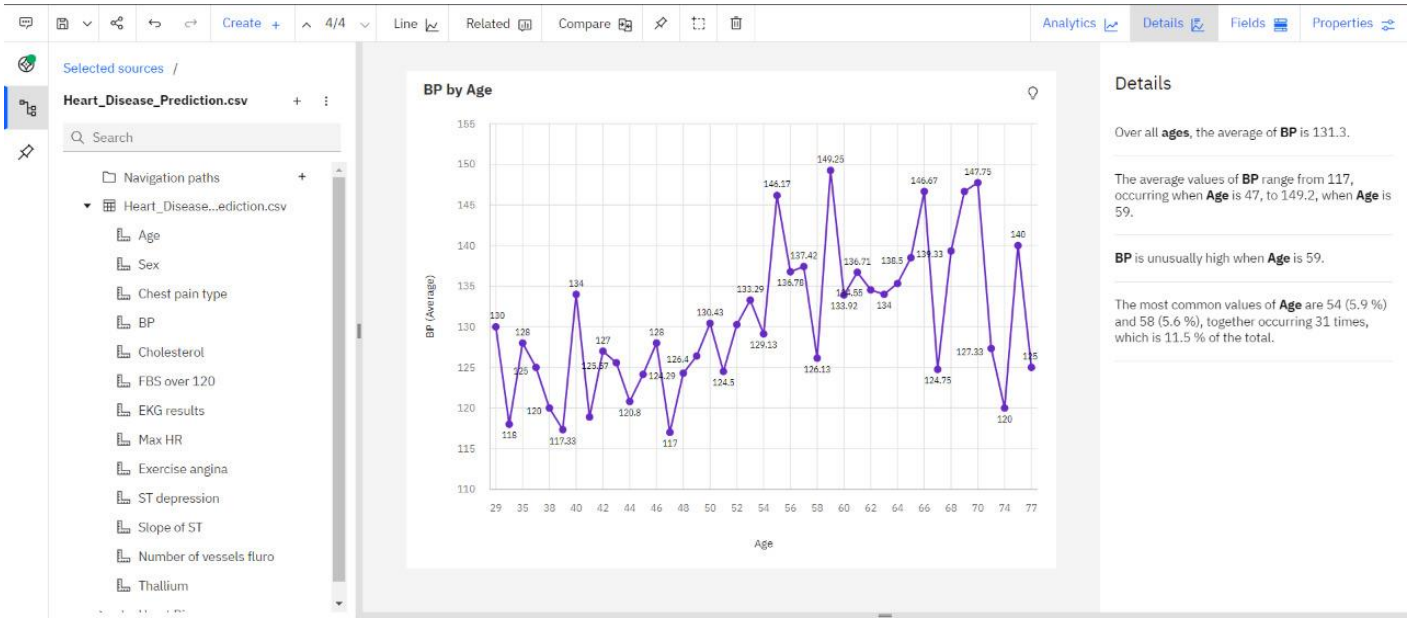
Preparation of Data Module:

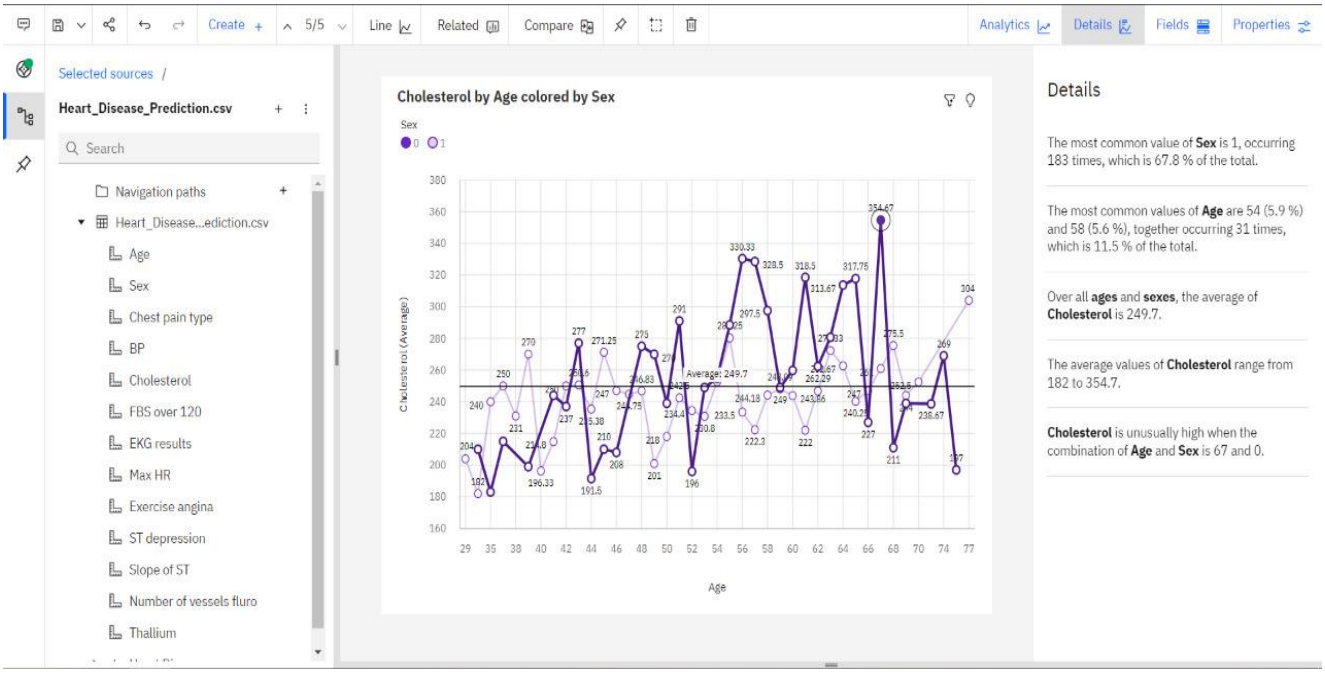


Exploration of Data Module:




Create
2/2
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
Heart_Disease_Predicti...
Search
Navigation paths
Heart_Dis...ction.csv
Age
Sex
Chest pain type
BP
Cholesterol
FBS over 120
EKG results
Max HR
Exercise angina
ST depression
Slope of ST
Number o...ls fluro
Thallium
BP by Chest pain type and Sex colored by Sex
BP (Average)
Average: 131.3
147.5
139.75
127.69
129.62
127
131.3
139.17
127.19
1|0
1|1
2|0
2|1
3|0
3|1
4|0
4|1
Chest pain type - Sex
Details
The most common value of Chest pain type - Sex is 2|1, occurring 129 times, which is 47.8 % of the total.
Over all chest pain type - sexes, the average of BP is 0.6778.
The average values of BP range from 0, occurring when Chest pain type - Sex is 1|0, to 1, when Chest pain type - Sex is 1|0.


Create
4/4
Line
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
Heart_Disease_Prediction.csv
Search
Navigation paths
Heart_Disease...ediction.csv
Age
Sex
Chest pain type
BP
Cholesterol
FBS over 120
EKG results
Max HR
Exercise angina
ST depression
Slope of ST
Number of vessels fluro
Thallium
BP by Age
BP (Average)
Age
Details
Over all ages, the average of BP is 131.3.
The average values of BP range from 117, occurring when Age is 47, to 149.2, when Age is 59.
BP is unusually high when Age is 59.
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.


Create
5/5
Line
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
Heart_Disease_Prediction.csv
Search
Navigation paths
Heart_Disease...ediction.csv
Age
Sex
Chest pain type
BP
Cholesterol
FBS over 120
EKG results
Max HR
Exercise angina
ST depression
Slope of ST
Number of vessels fluro
Thallium
Cholesterol by Age colored by Sex
Sex
0
1
Cholesterol (Average)
Age
Average: 249.7
Details
The most common value of Sex is 1, occurring 183 times, which is 67.8 % of the total.
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.
Over all ages and sexes, the average of Cholesterol is 249.7.
The average values of Cholesterol range from 182 to 354.7.
Cholesterol is unusually high when the combination of Age and Sex is 67 and 0.