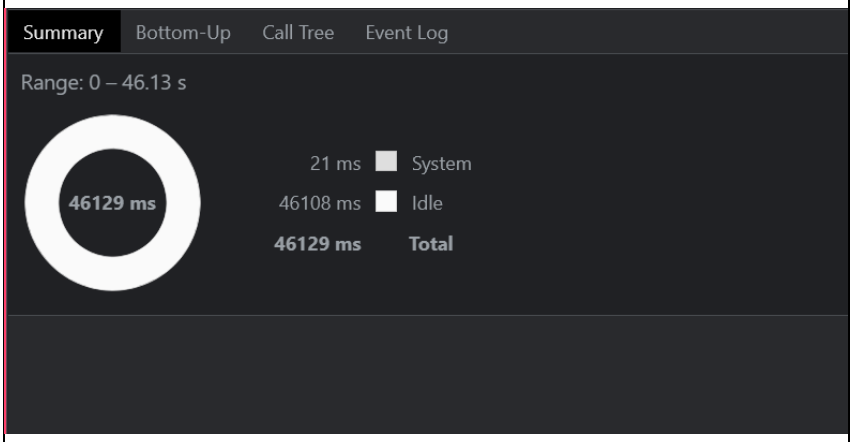
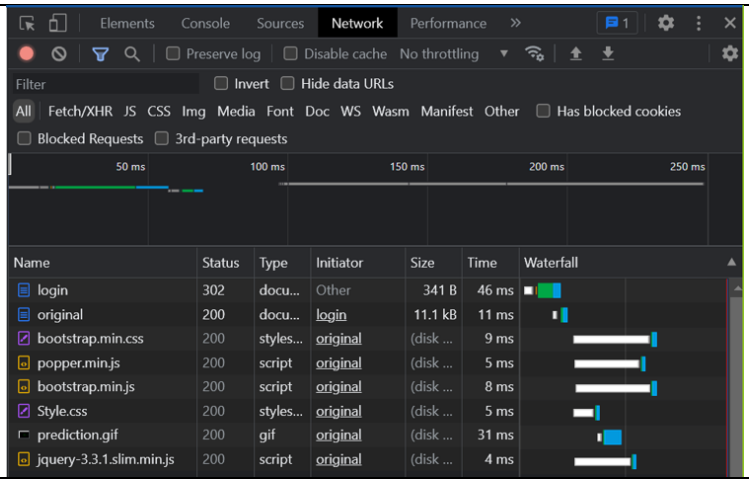
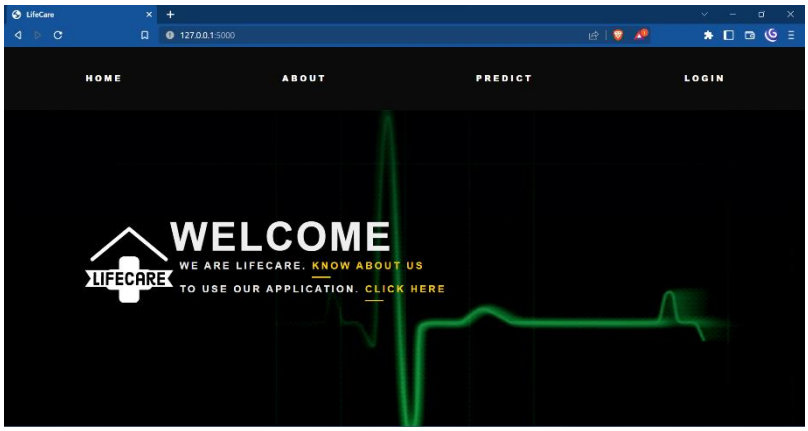
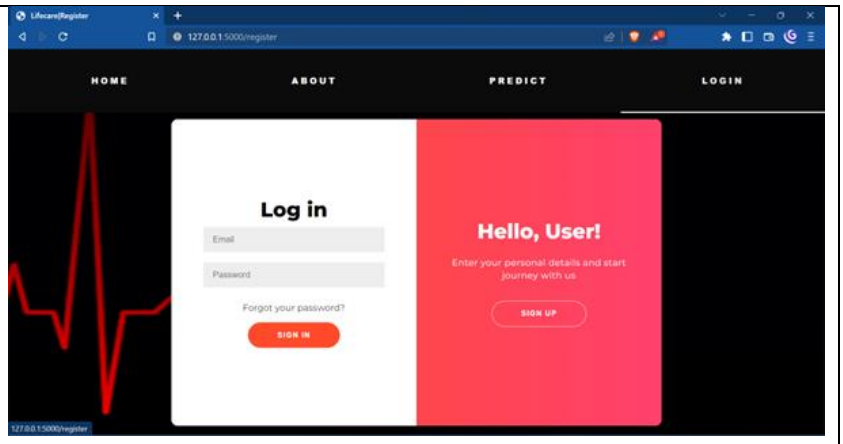
Project Development Phase
Model Performance Test

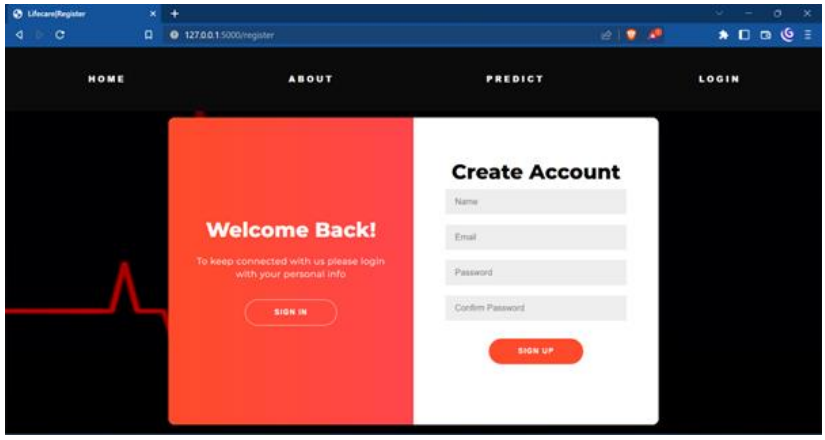
Date	10 November 2022
Team ID	PNT2022TMID21580
Project Name	Visualizing and predicting heart disease using an interactive dashboard
Maximum Marks	10 Marks

Model Performance Testing:

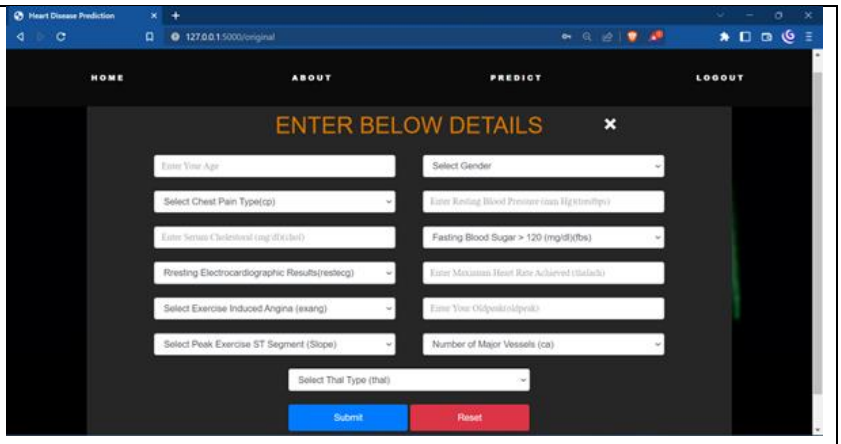
S.No	Parameter	Screenshot / Values
1.	Dashboard design	No of Visualizations / Graphs - 11
2.	Data Responsiveness	
3.	Amount Data to Rendered (DB2 Metrics)	

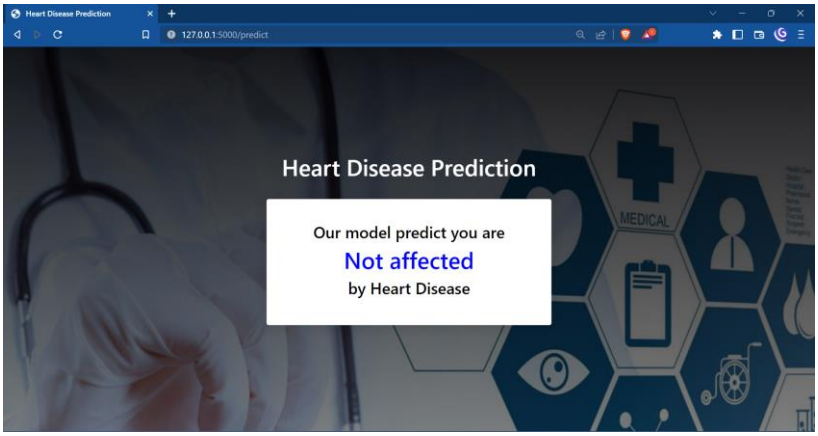
4.	Utilization of Data Filters	 AGE | GENDER | CHEST PAIN TYPE | RESTING BP | SERUM CHOLESTROL | FASTING BLOOD SUGAR | REST ECG | MAX HEART RATE | INDUCED AGINA | OLD PEAK | PEAK ST | NO OF MAJOR VESSELS | RESULT Male | Atypical Angina | 132 | 500 | Yes | Normal | 200 | Yes | 100 | Downsloping | 3 | Fixed | Not affected Male | non anginal pain | 198 | 500 | No | Normal | 11 | Yes | 1 | Downsloping | 4 | Defect | Not affected Male | Asymptomatic | 12 | 500 | No | Abnormal | 234 | Yes | 234 | Downsloping | 1 | Fixed | Not affected Male | Asymptomatic | 110 | 212 | No | Abnormal | 144 | No | 2 | Downsloping | 1 | Defect | Affected Male | Asymptomatic | 123 | 500 | Yes | Normal | 200 | No | 2 | Downsloping | 1 | Normal | Affected Female | Atypical Angina | 198 | 500 | Yes | Abnormal | 342 | Yes | 120 | Downsloping | 3 | Defect | Not affected Male | non anginal pain | 198 | 500 | No | Abnormal | 200 | No | 234 | Downsloping | 3 | Fixed | Not affected
5.	Effective User Story	No of Scene Added – 


Lifecare|Register
127.0.0.1:5000/register
HOME
ABOUT
PREDICT
LOGIN
Log in
Email
Password
Forgot your password?
SIGN IN
Hello, User!
Enter your personal details and start journey with us
SIGN UP


Lifecare|Register
127.0.0.1:5000/register
HOME
ABOUT
PREDICT
LOGIN
Welcome Back!
To keep connected with us please login with your personal info
SIGN IN
Create Account
Name
Email
Password
Confirm Password
SIGN UP

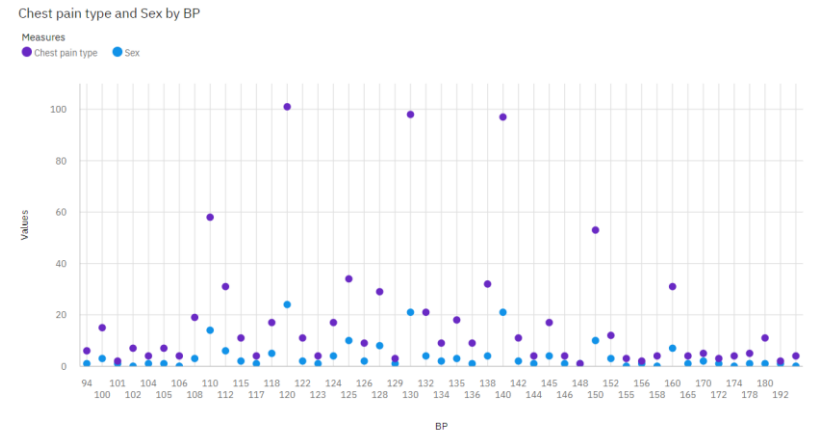
Heart Disease Prediction
127.0.0.1:5000/original
HOME
ABOUT
PREDICT
LOGOUT
PAST DATA
Heart Disease Prediction
predict

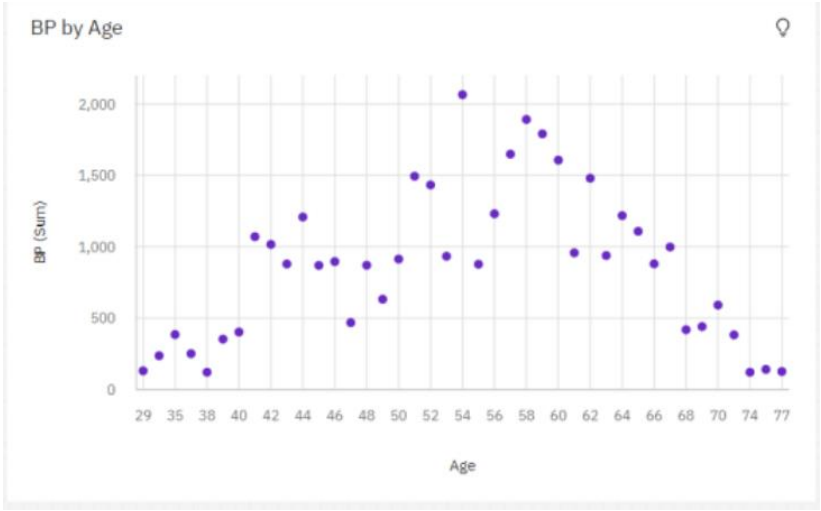
<table>
<tr>
<td></td>
<td></td>
<td>


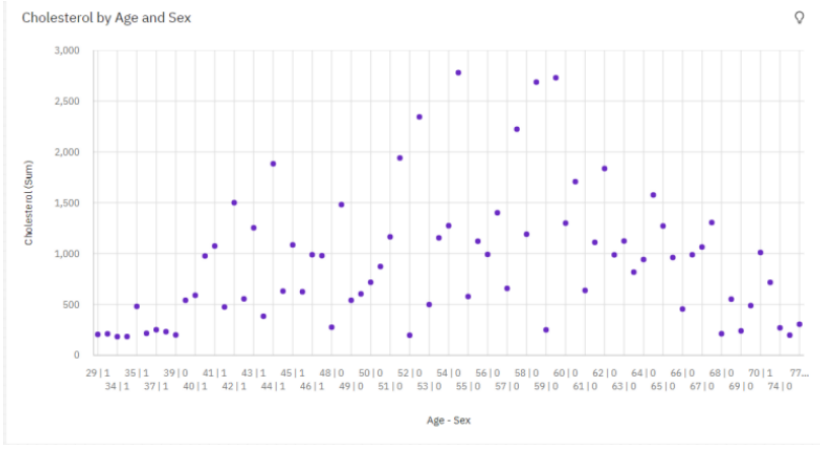


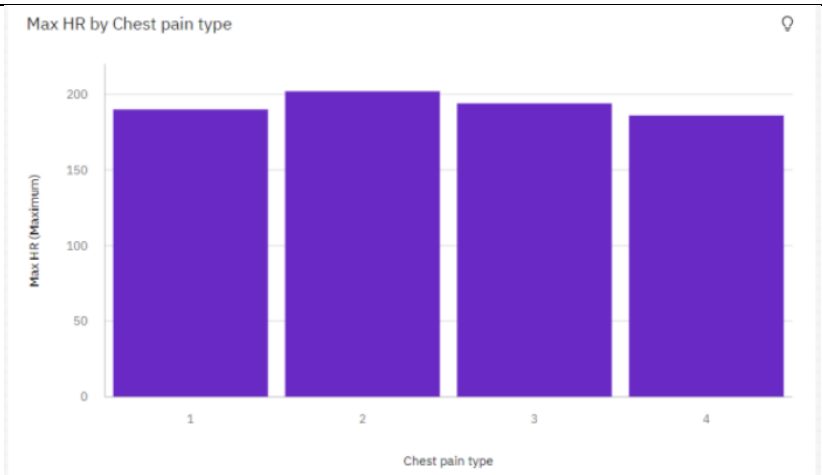
AGE	GENDER	CHEST PAIN TYPE	RESTING BP	SERUM CHOLESTROL	FASTING BLOOD SUGAR	REST ECG	MAX HEART RATE	INDUCED AGINA	OLD PEAK	PEAK ST	NO OF MAJOR VESSELS	RESULT
Male	Atypical Angina	132	500	Yes	Normal	200	Yes	100	Downsloping	3	Fixed	Not affected
Male	non anginal pain	198	500	No	Normal	11	Yes	1	Downsloping	4	Defect	Not affected
Male	Asymptomatic	12	500	No	Abnormal	234	Yes	234	Downsloping	1	Fixed	Not affected
Male	Asymptomatic	110	212	No	Abnormal	144	No	2	Downsloping	1	Defect	Affected
Male	Asymptomatic	123	500	Yes	Normal	200	No	2	Downsloping	1	Normal	Affected
Female	Atypical Angina	198	500	Yes	Abnormal	342	Yes	120	Downsloping	3	Defect	Not affected
Male	non anginal pain	198	500	No	Abnormal	200	No	234	Downsloping	3	Fixed	Not affected

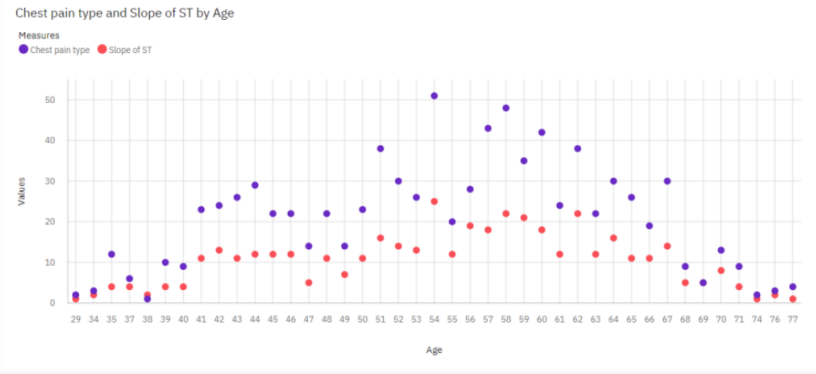
</td>
</tr>
<tr>
<td>6.</td>
<td>Descriptive Reports</td>
<td>
<ul>
<li>Chest pain type and sex by BP</li>
<li>BP by age</li>
<li>Cholesterol by sex and age</li>
<li>Max Heart rate by Chest Pain Type</li>
<li>Chest pain type by age</li>
<li>Exercise angina by chest pain type</li>
</ul>
</td>
</tr>
</table>

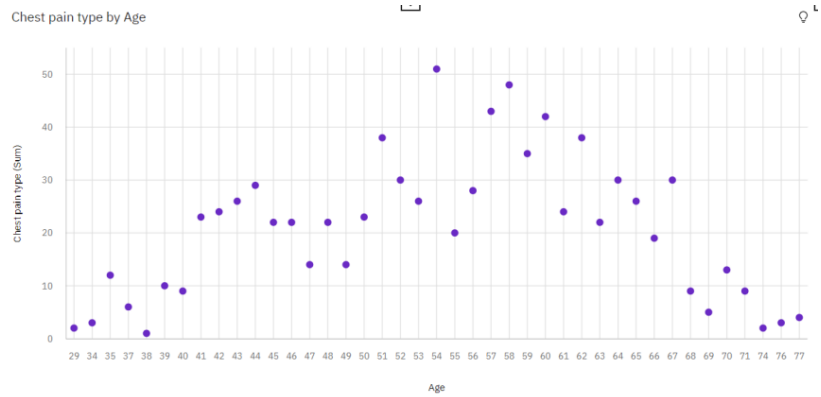

Chest pain type and Sex by BP
Measures
Chest pain type
Sex
Values
BP

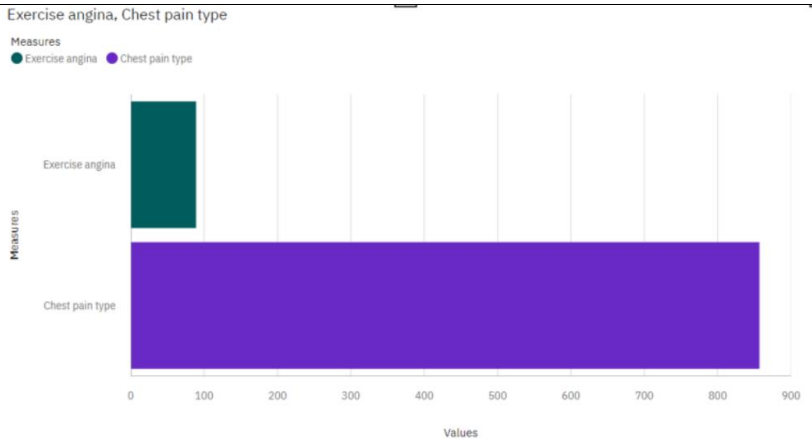

BP by Age
BP (Sum)
Age

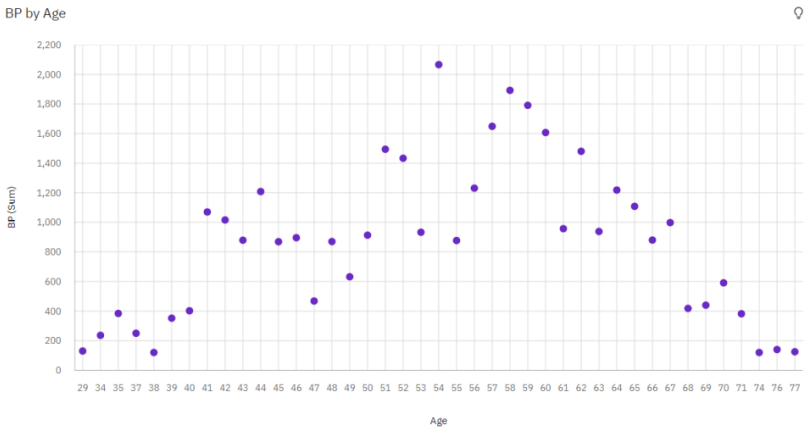

Cholesterol by Age and Sex
Cholesterol (Sum)
Age - Sex

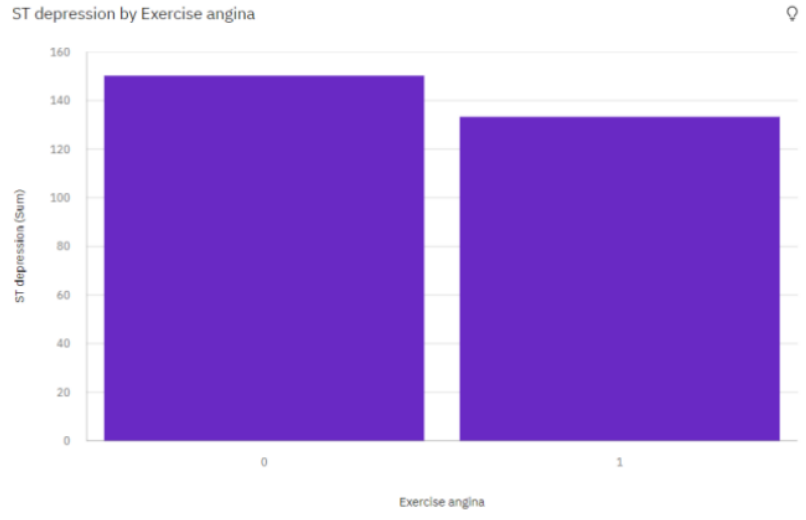

Max HR by Chest pain type
Max H/R (Maximum)
200
150
100
50
0
1
2
3
4
Chest pain type

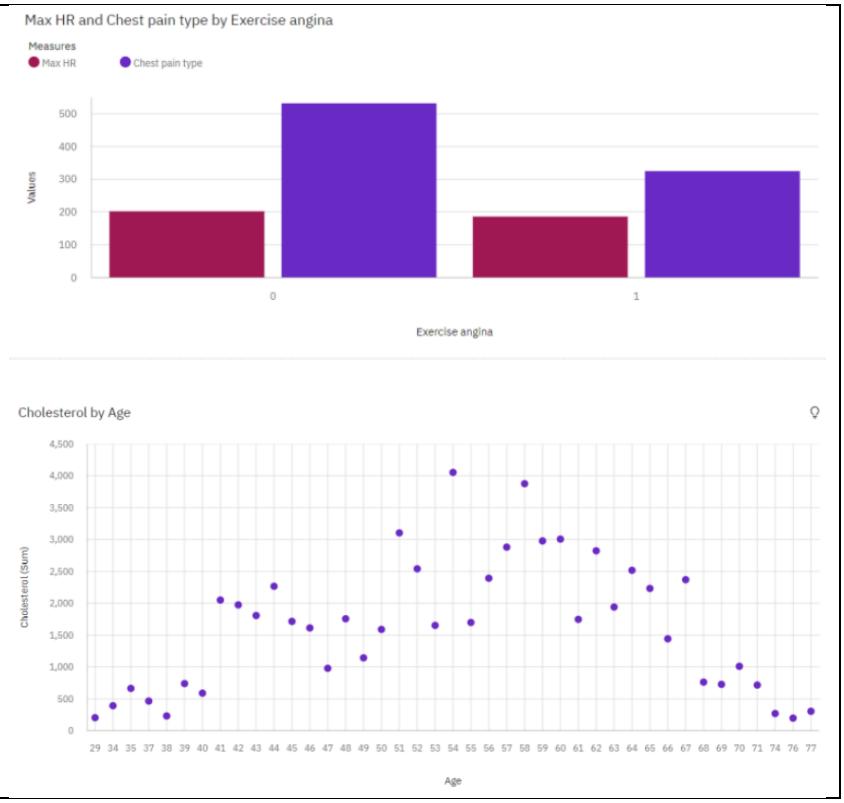

Chest pain type and Slope of ST by Age
Measures
Chest pain type
Slope of ST
Values
Age


Chest pain type by Age
Chest pain type (Sum)
Age


Exercise angina, Chest pain type
Measures
Exercise angina
Chest pain type
Exercise angina
Chest pain type
Measures
0
100
200
300
400
500
600
700
800
900
Values


BP by Age
2,200
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
BP (Sum)
29 34 35 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 74 76 77
Age


ST depression by Exercise angina
160
140
120
100
80
60
40
20
0
ST depression (Sum)
0
1
Exercise angina


Max HR and Chest pain type by Exercise angina
Measures
Max HR
Chest pain type
500
400
300
200
100
0
Values
0
1
Exercise angina

Cholesterol by Age
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Cholesterol (Sum)
29 34 35 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 74 76 77
Age