SPRINT 2

Date	18 November 2022
Team ID	PNT2022TMID36371
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Data Visualization and Interactive Dashboard Creation

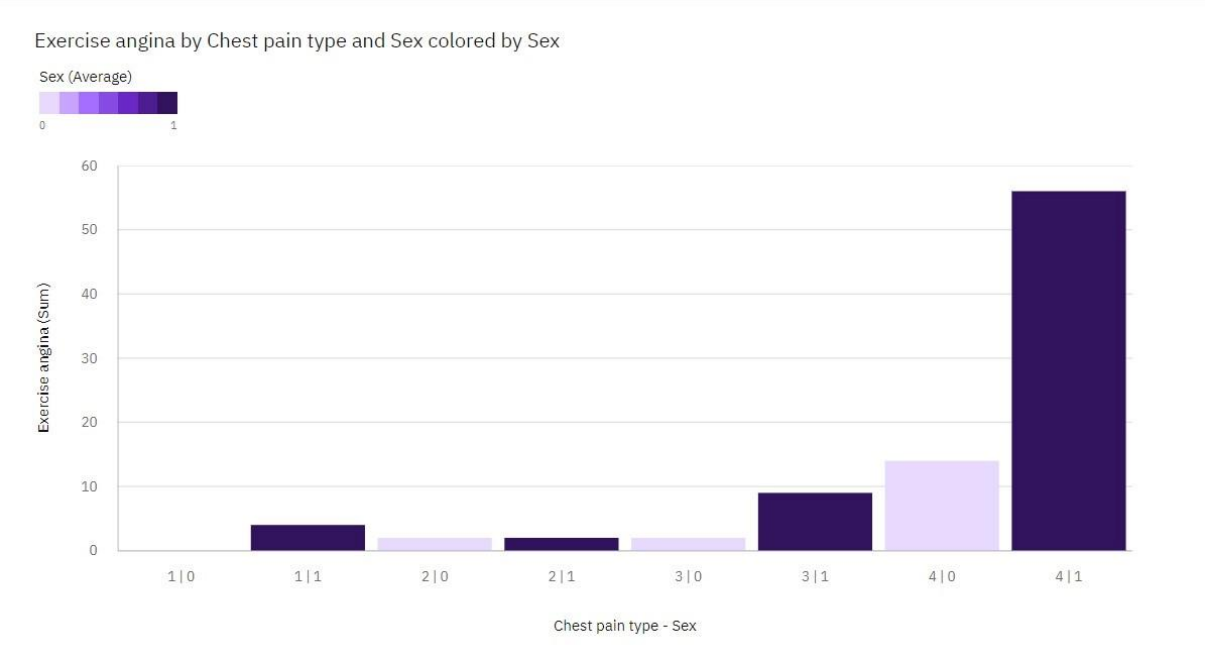
Data Visualization:

Data visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data. Additionally, it provides an excellent way for employees or business owners to present data to non-technical audiences without confusion.

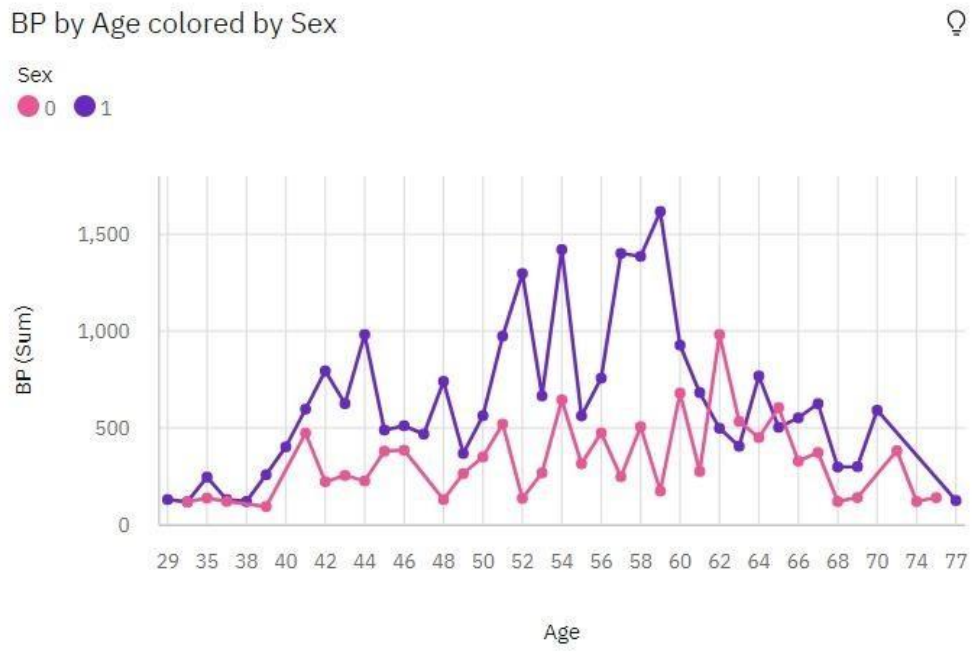
Dashboard:

Dashboards allow all kinds of professionals the ability to monitor performance, create reports and set estimates and targets for future work.

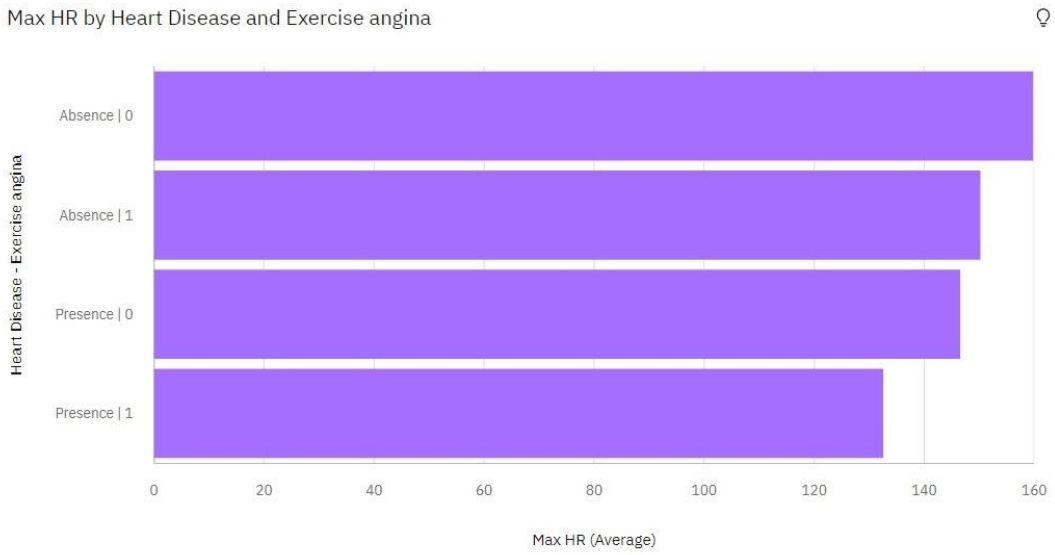
1. Exercise angina on various chest pain type:



2. BP by age:



3. Maximum heart rate by Heart Disease and exercise angina:

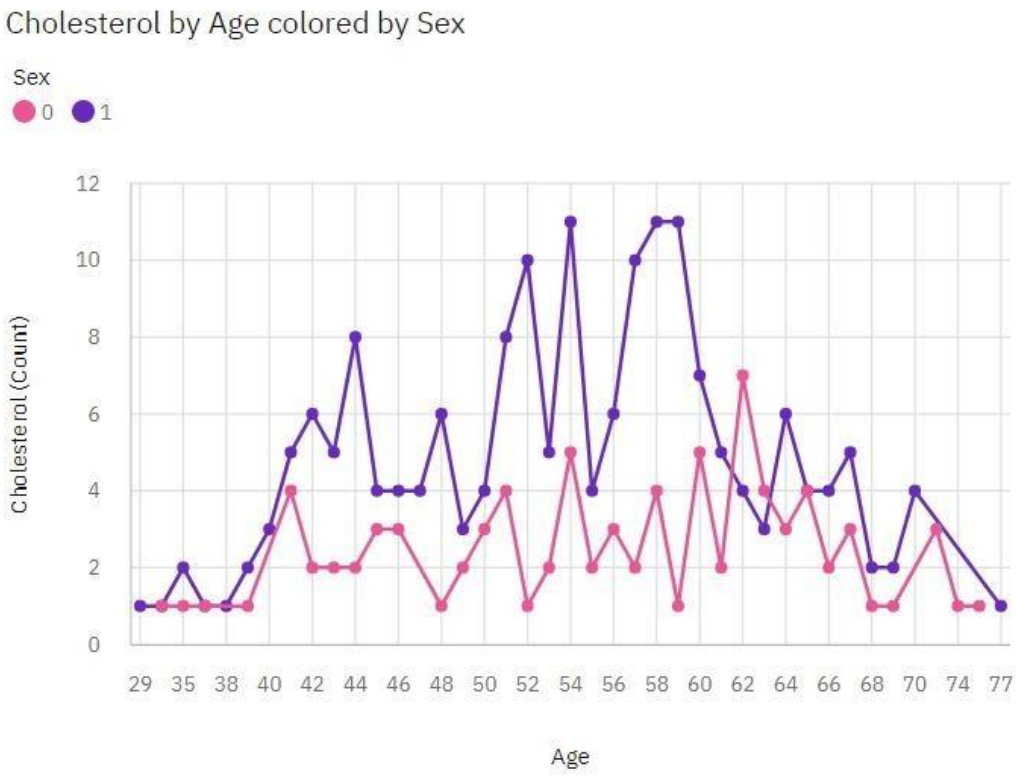


4. Heart Disease for chest pain type:

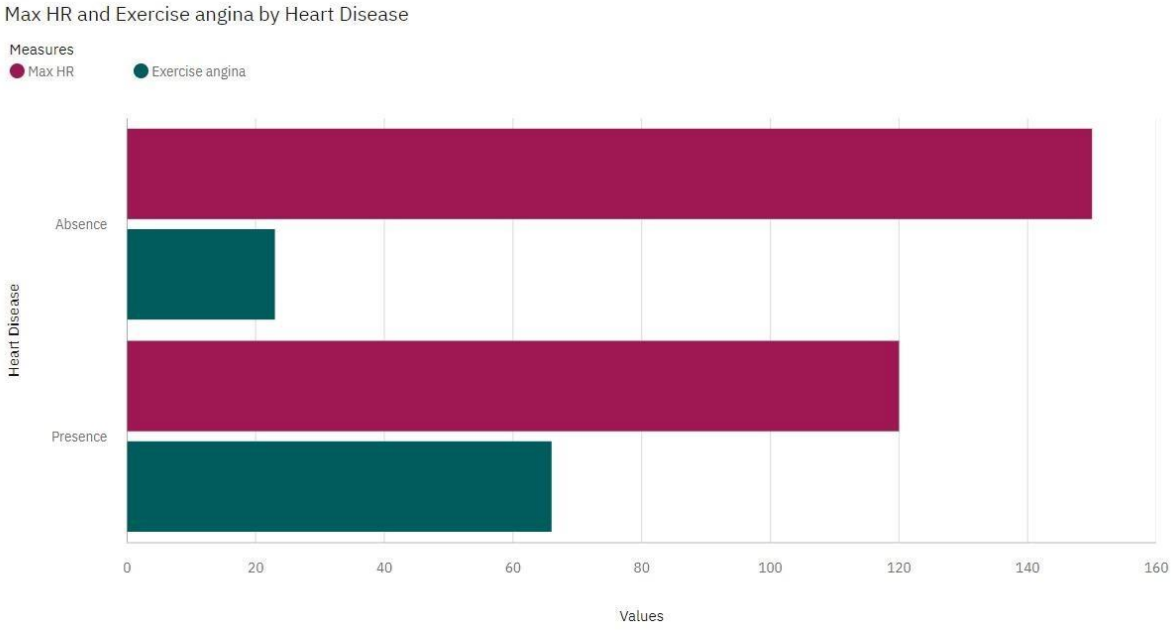
Heart Disease for Chest pain type and Sex

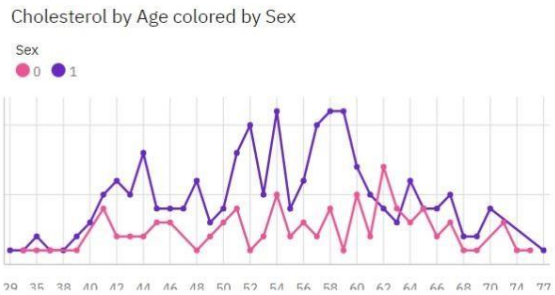
Heart Disease	1	2	3	4	Summary
0	4	16	32	35	**87**
1	16	26	47	94	**183**
Summary	**20**	**42**	**79**	**129**	**270**

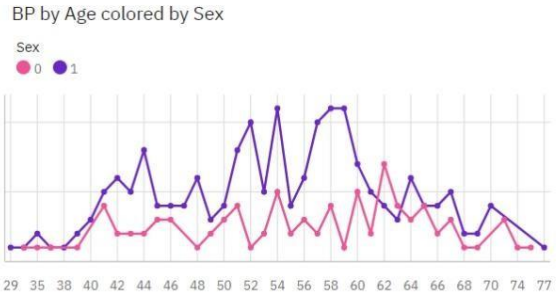
5. Cholesterol by Age:

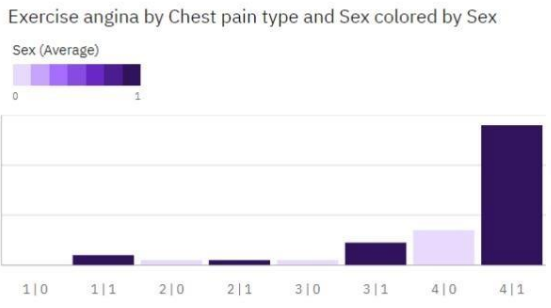


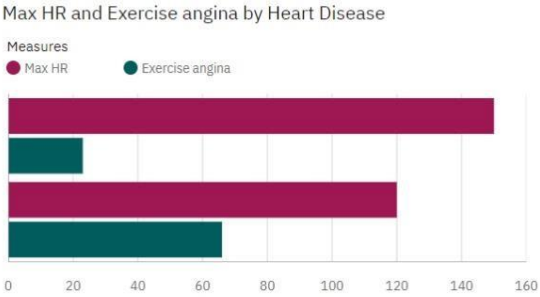
6. Maximum Heart rate and Exercise angina by heart disease:

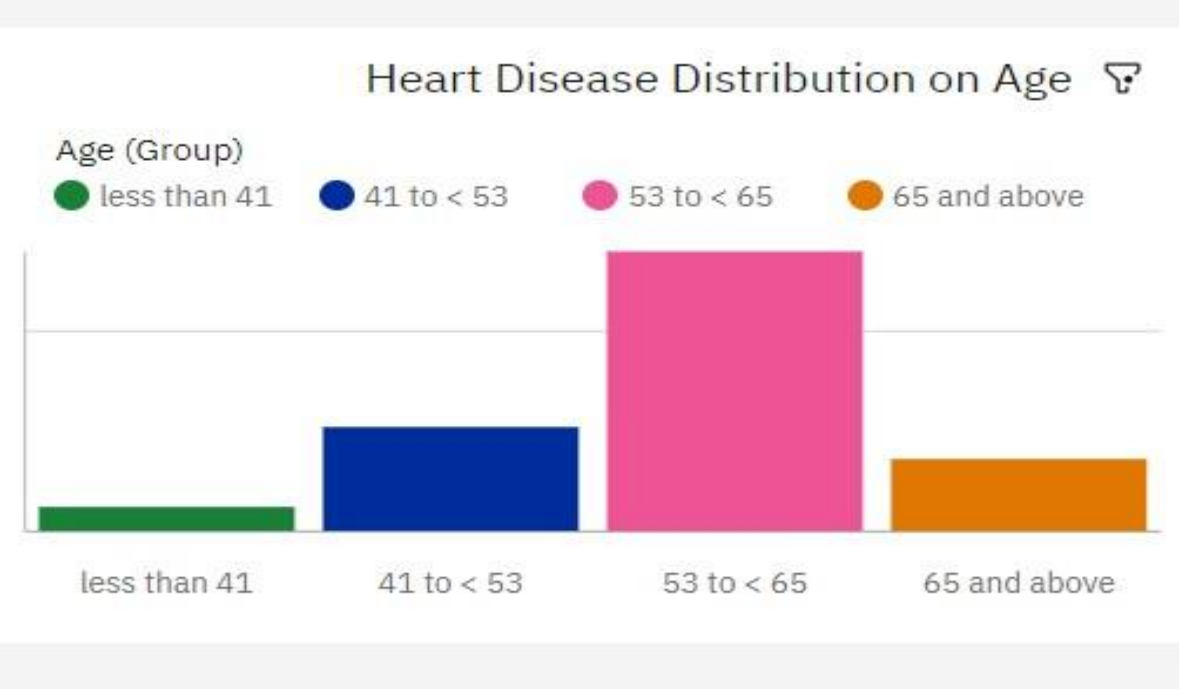


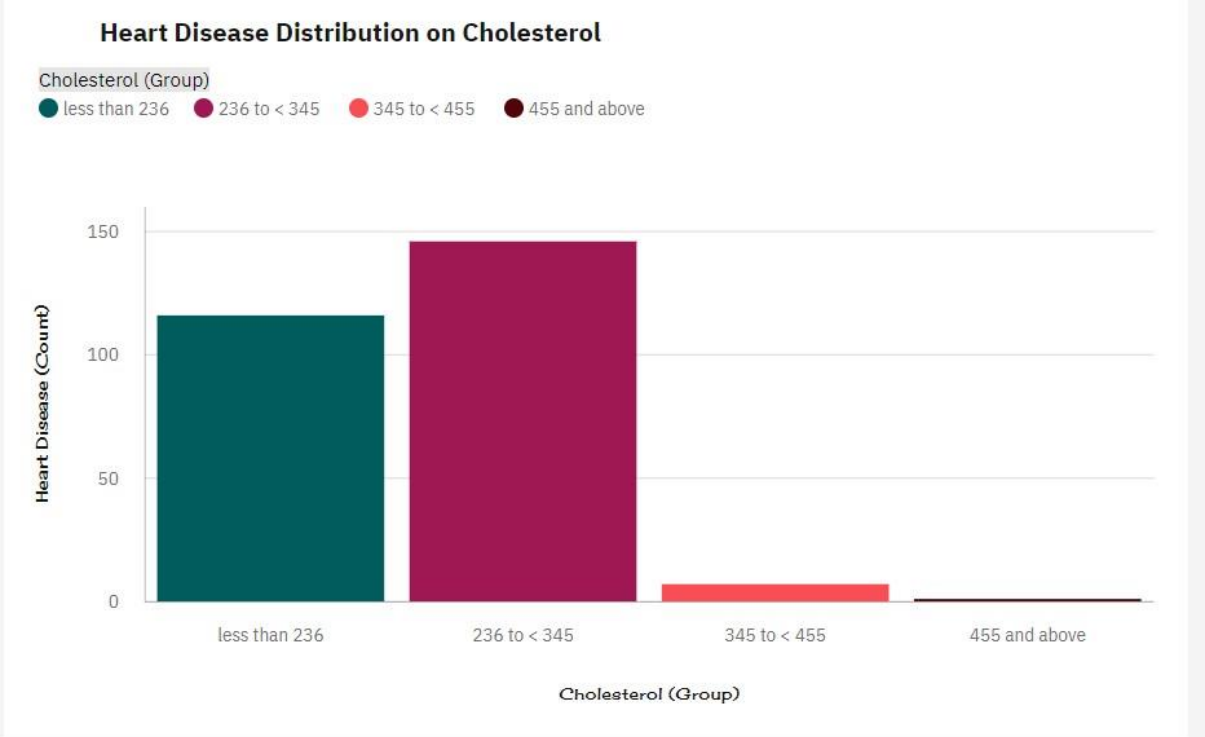


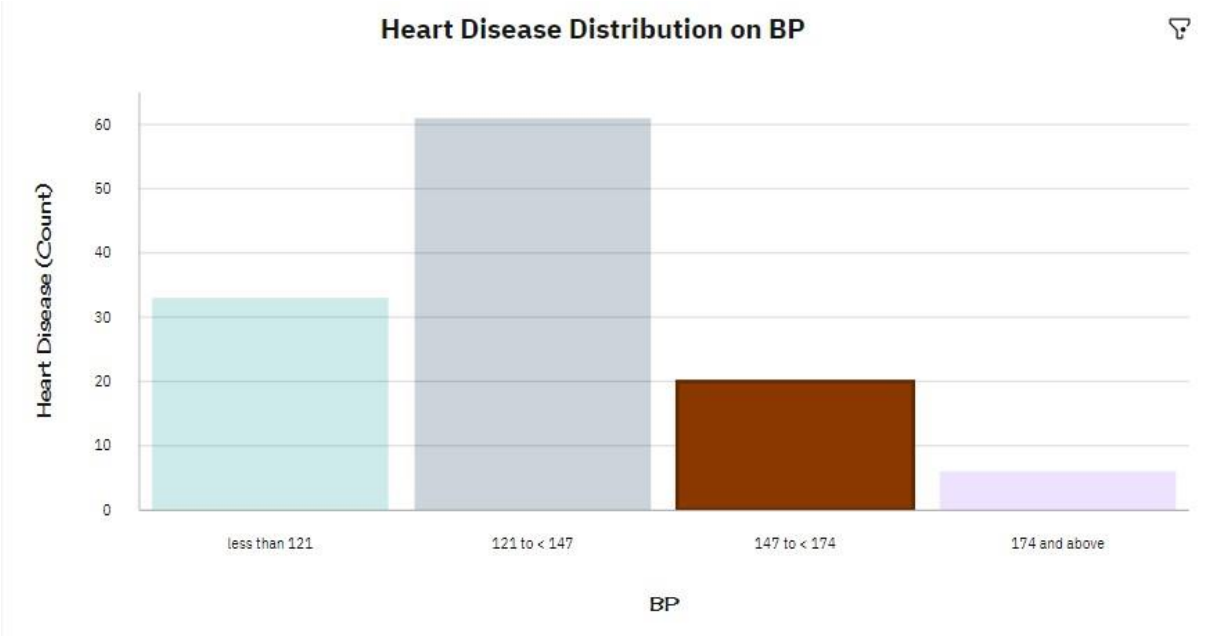


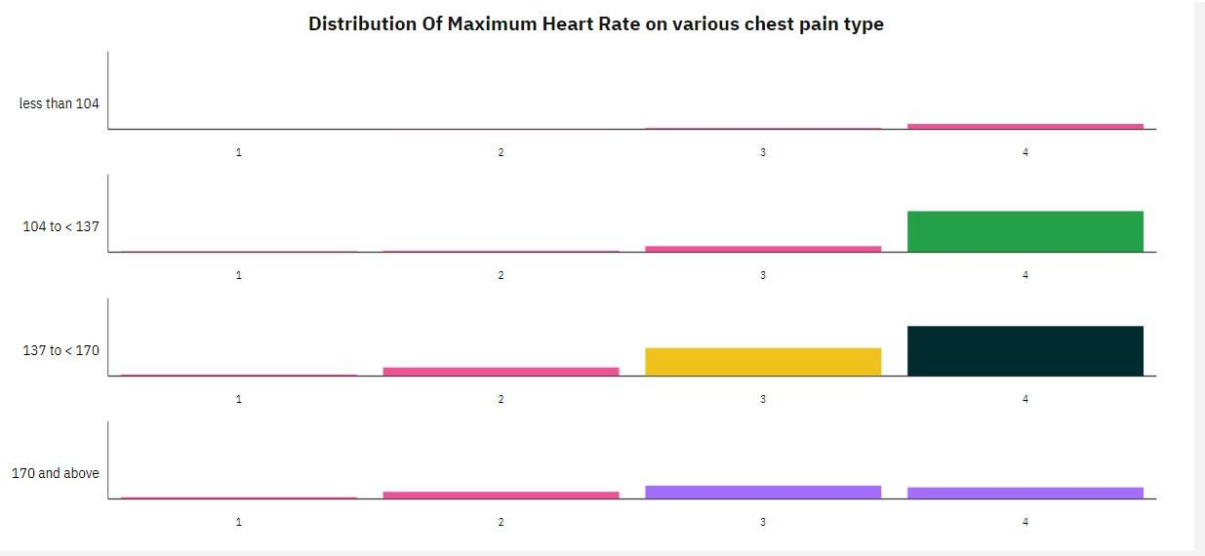





Heart Disease Distribution on Age
Age (Group)
less than 41
41 to < 53
53 to < 65
65 and above
less than 41
41 to < 53
53 to < 65
65 and above


Heart Disease Distribution on Cholesterol
Cholesterol (Group)
less than 236
236 to < 345
345 to < 455
455 and above
150
100
50
0
Heart Disease (Count)
less than 236
236 to < 345
345 to < 455
455 and above
Cholesterol (Group)


Heart Disease Distribution on BP
Heart Disease (Count)
60
50
40
30
20
10
0
less than 121
121 to < 147
147 to < 174
174 and above
BP


Distribution Of Maximum Heart Rate on various chest pain type
less than 104
104 to < 137
137 to < 170
170 and above
1
2
3
4