

Sprint Delivery Plan III

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|--------------|---|
| Date | 08 November 2022 |
| Team ID | PPNT2022TMID40507 |
| Project Name | Project - Visualizing and Predicting Heart Diseases with an Interactive Dashboard |

Cognos Analytics Story:

- A Story contains a set of scenes that are displayed in sequence.
- Stories are similar to dashboards because they also use to share your insights
- Stories differ from dashboards because they provide an over-time narrative and can convey a conclusion or Recommendation.

Story Card of Heart disease Prediction Dataset Using Cognos Analysis:

USN:6,7:

As a Data analyst, I create a predicted model by also preparing story card with using explored data.

As a Data Analyst, I will analysis of the heart disease patient's datasets.

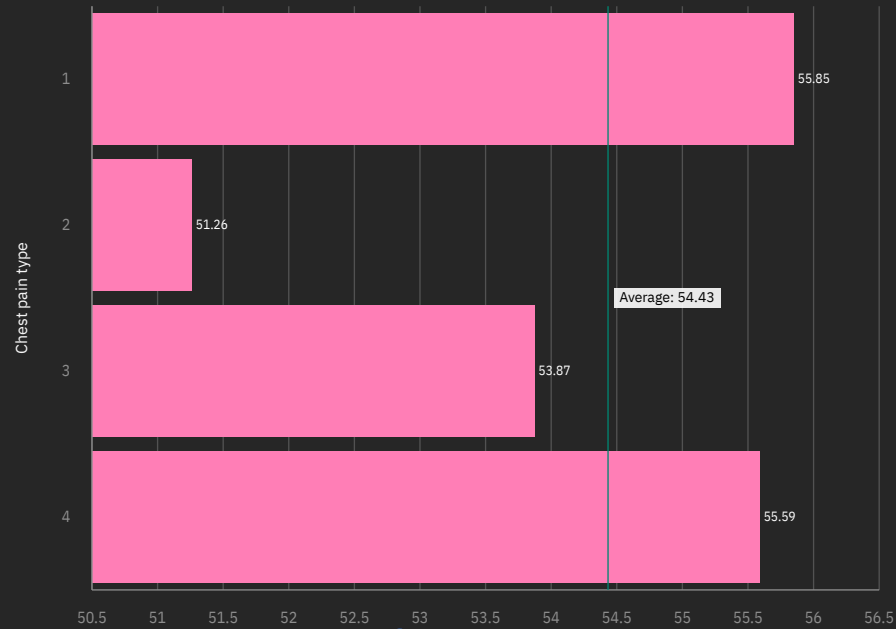
Visualizing and Predicting Heart Diseases with an Interactive Dashboard

TEAMID-PPNT2022TMID40507

SATHISHKUMAR P
RUKESH K
SIVASANKAR B
MD NOORULAH A

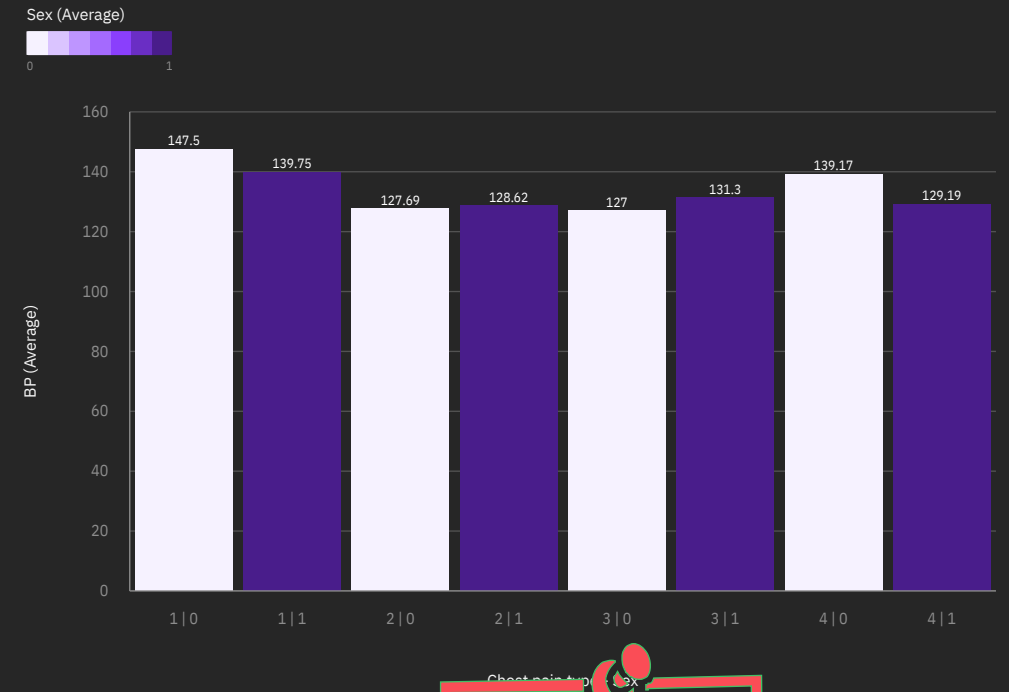


Age by Chest pain type



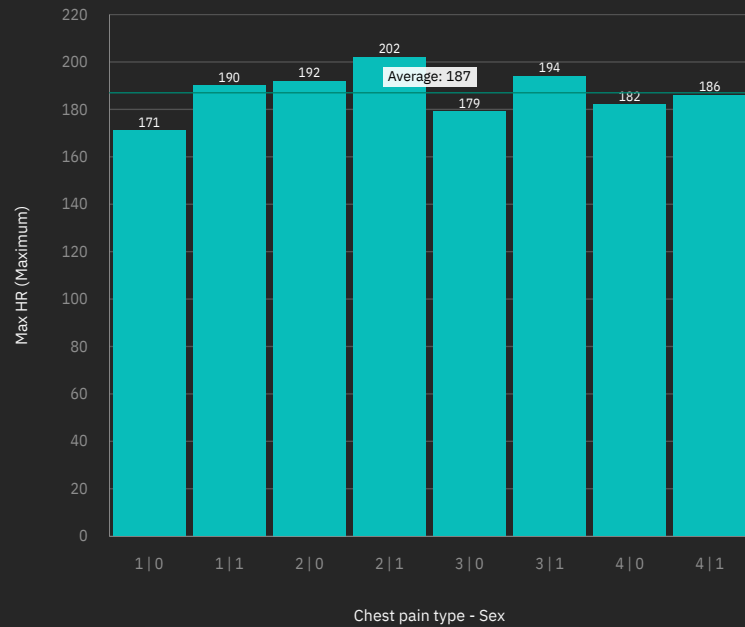
The most common value of Chest pain type is 4, occurring 129 times, which is 47.8 % of the total.

BP by Chest pain type and Sex colored by Sex



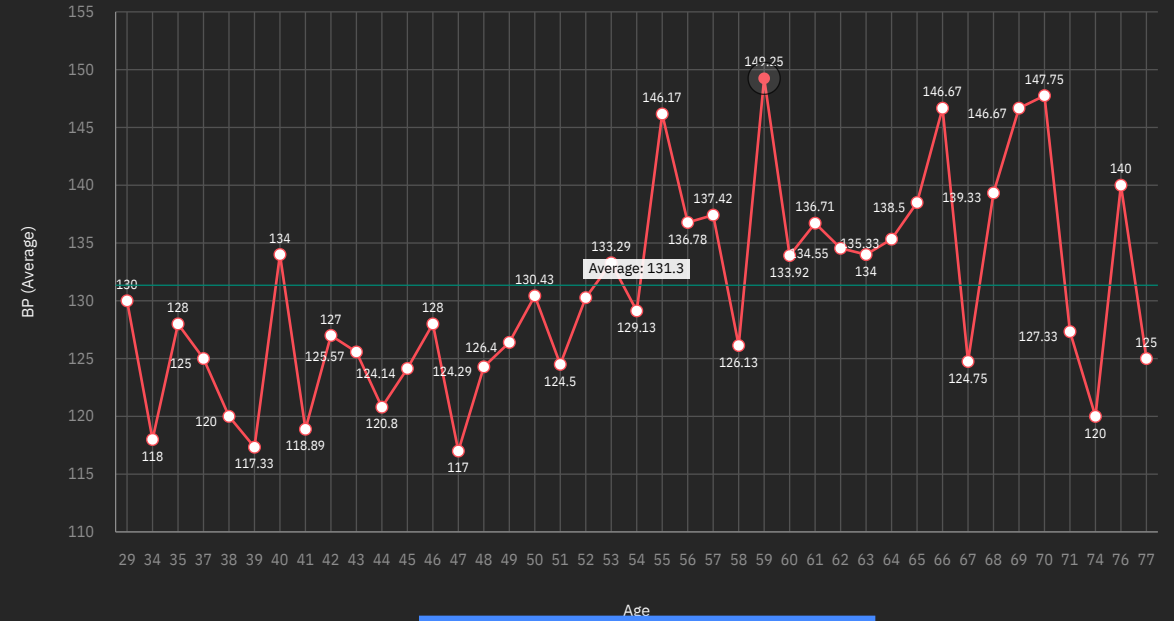
Over all chest pain type - sexes, the average of BP is 0.6778.

Max HR by Chest pain type and Sex



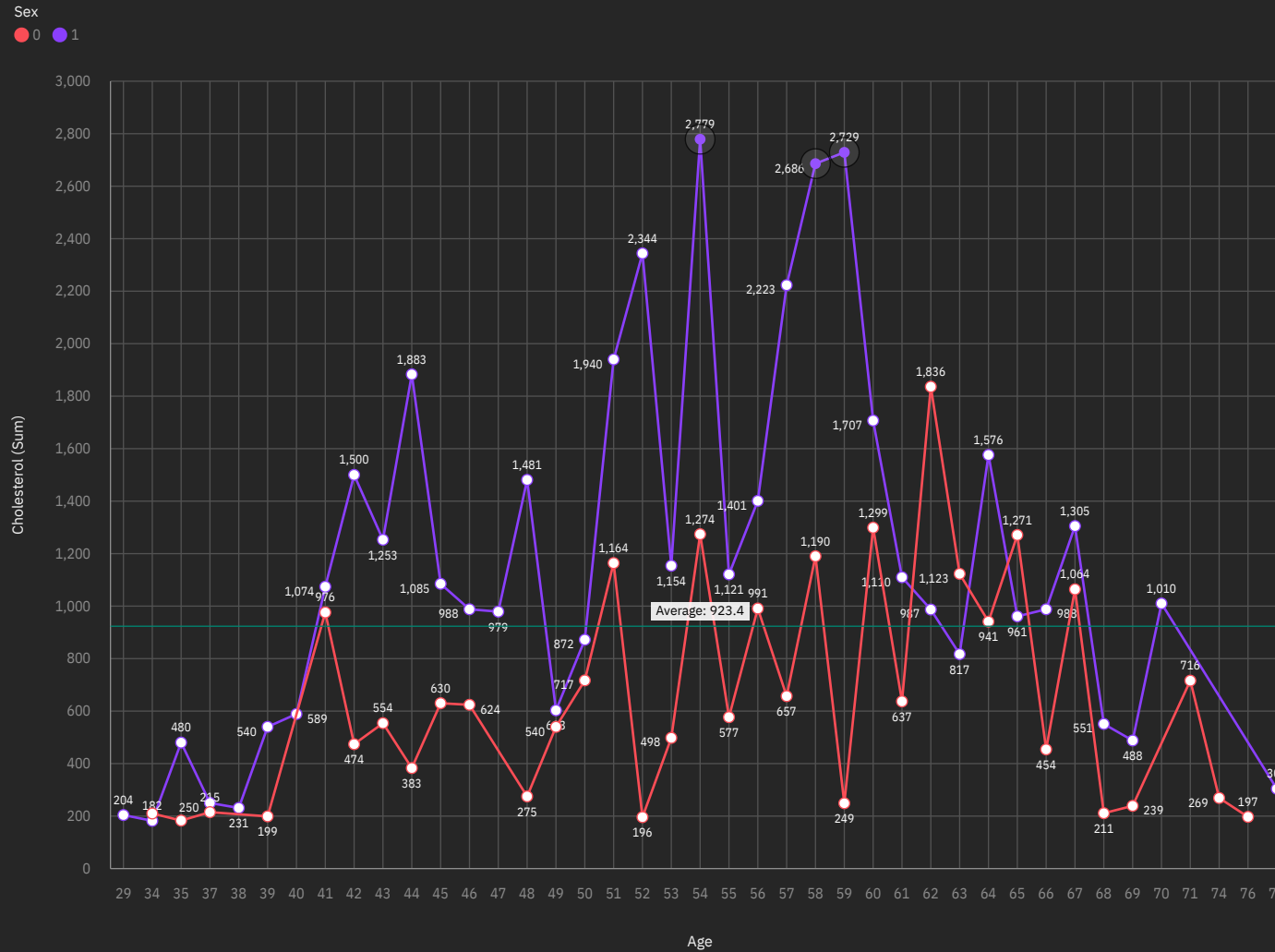
The most common value of Chest pain type - Sex is 2|1, occurring 129 times, which is 47.8 % of the total.

BP by Age



BP is unusually high when Age is 59. Over all ages, the average of BP is 131.3.

Cholesterol by Age colored by Gender

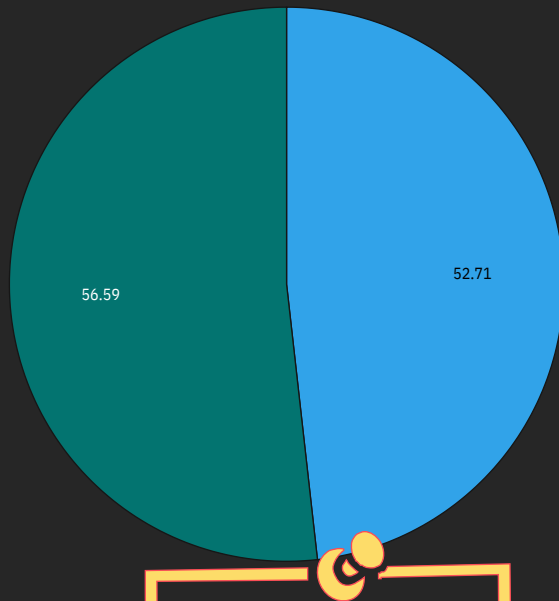


Over all ages and sexes, the average of Cholesterol is 249.7. The average values of Cholesterol range from 182 to 354.7. Cholesterol is unusually high when the combination of Age and Sex is 67 and 0.

Age by Heart Disease

Heart Disease

● Absence ● Presence

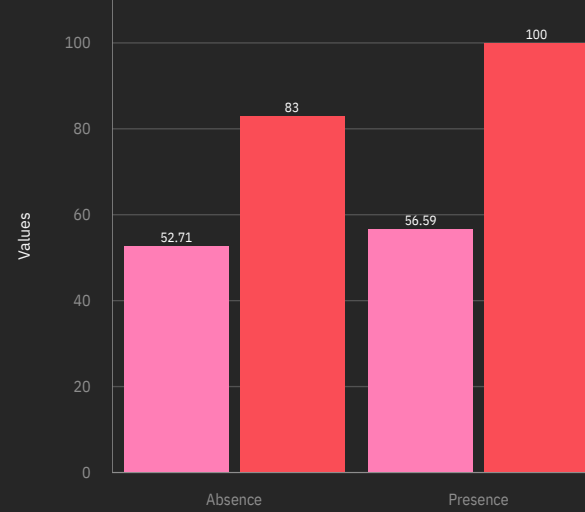


Over all heart diseases, the average of Age is 54.43.

Age and Sex by Heart Disease

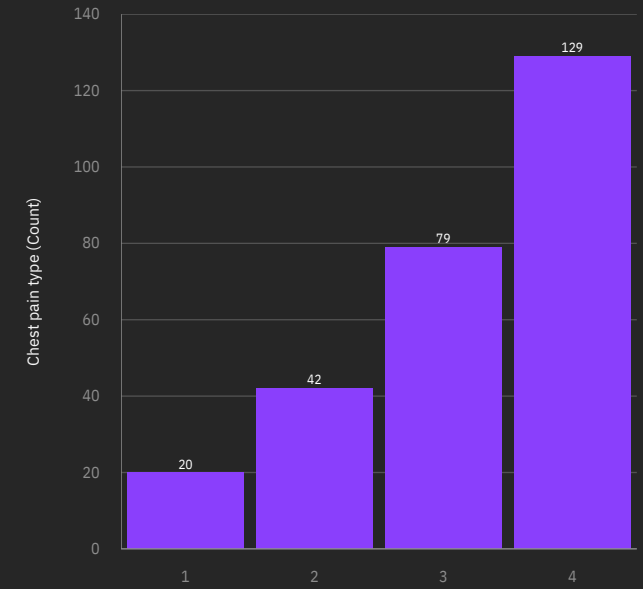
Measures

● Age ● Sex



Over all heart diseases, the average of Sex is 0.6778.

Chest pain type by Chest pain type

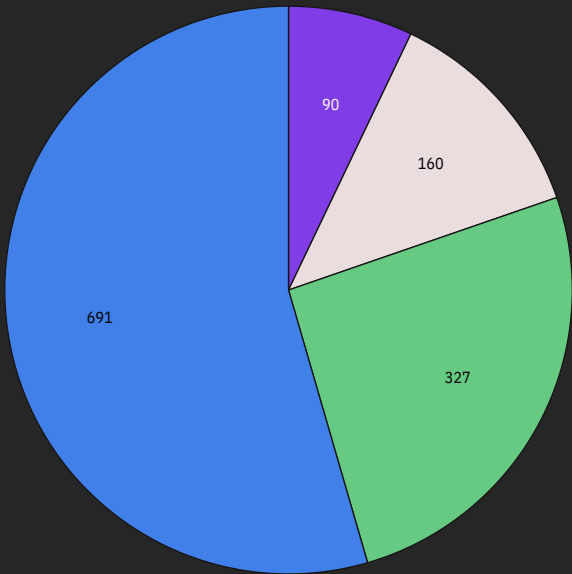


The count is unusually high when Chest pain type is 4.

Thallium by Chest pain type

Chest pain type

- 1
- 2
- 3
- 4



Thallium ranges from 90, when Chest pain type is 1, to 691, when Chest pain type is 4.

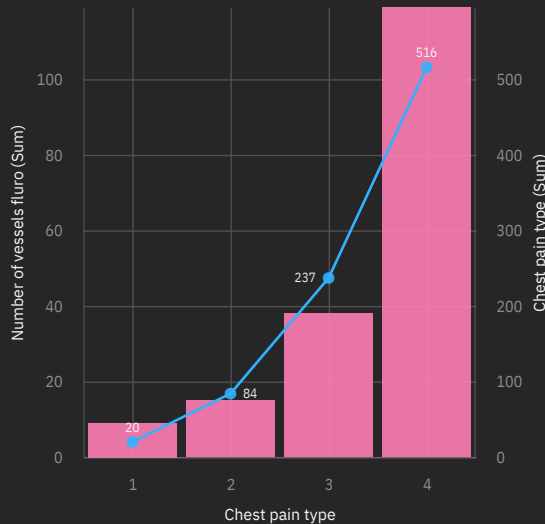
Chest pain type and Number of vessels fluoro by Chest pain type

Column

- Number of vessels fluoro (Sum)

Line

- Chest pain type (Sum)

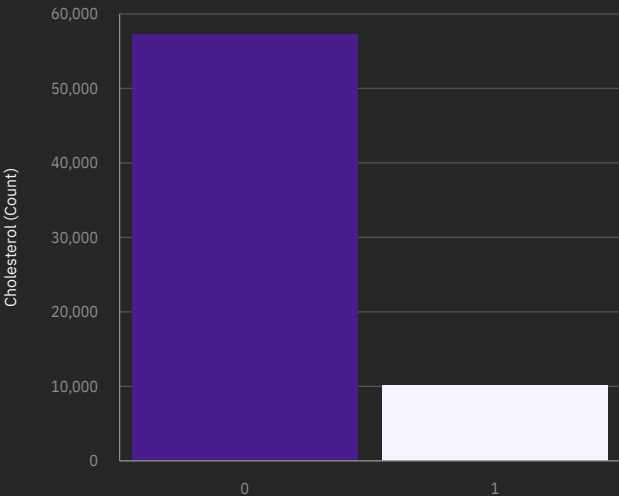


Number of vessels fluoro ranges from 9, when Chest pain type is 1, to 119, when Chest pain type is 4.

Cholesterol by FBS over 120 colored by Cholesterol

Cholesterol (Sum)

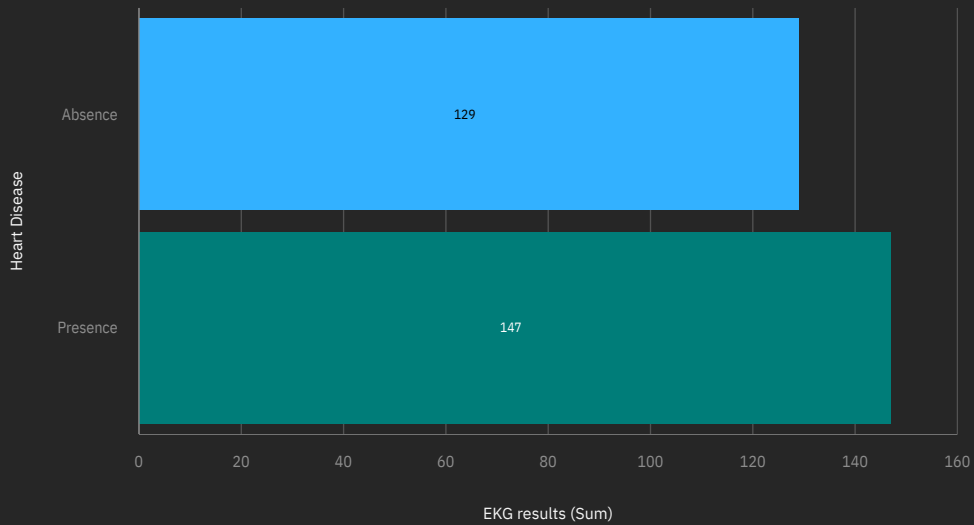
- 10,111
- 57,297



The total number of results for Cholesterol is 270.

EKG results by Heart Disease colored by Heart Disease

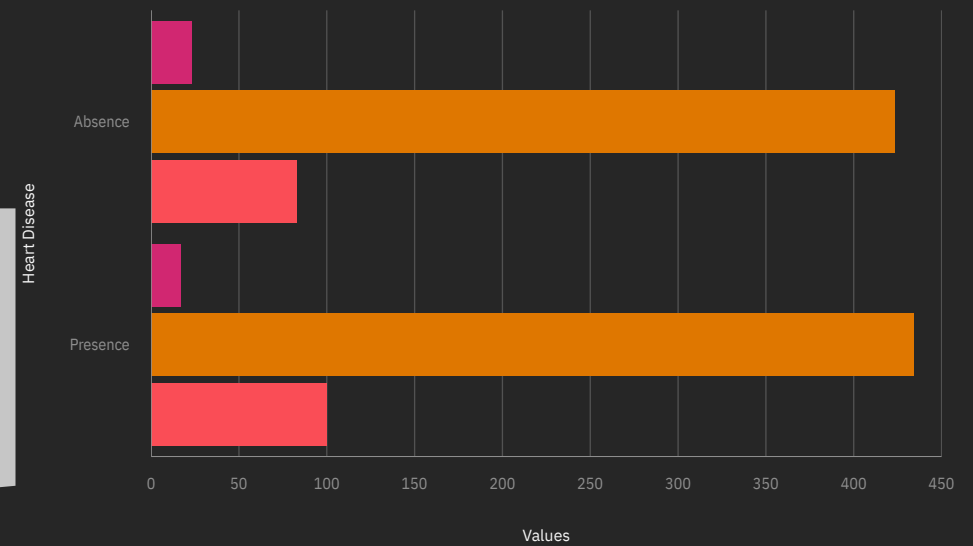
Heart Disease
● Absence ● Presence



For EKG results, the most significant value of heart disease is Presence, whose respective EKG results values add up to 147, or 53.3 % of the total.

FBS over 120, Chest pain type and Sex by Heart Disease

Measures
● FBS over 120 ● Chest pain type ● Sex



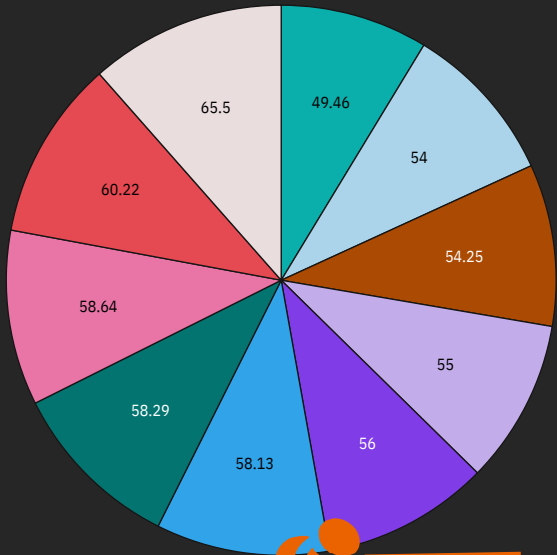
FBS over 120 ranges from 17, when heart disease is Presence, to 23, when heart disease is Absence.

Age by Thallium, Sex and Heart Disease

Thallium - Sex - Heart Disease

3 | 1 | Absence 7 | 1 | Absence 3 | 0 | Absence 7 | 1 | Presence 6 | 1 | Absence 6 | 1 | Presence 3 | 1 | Presence

7 | 0 | Presence 3 | 0 | Presence 7 | 0 | Absence



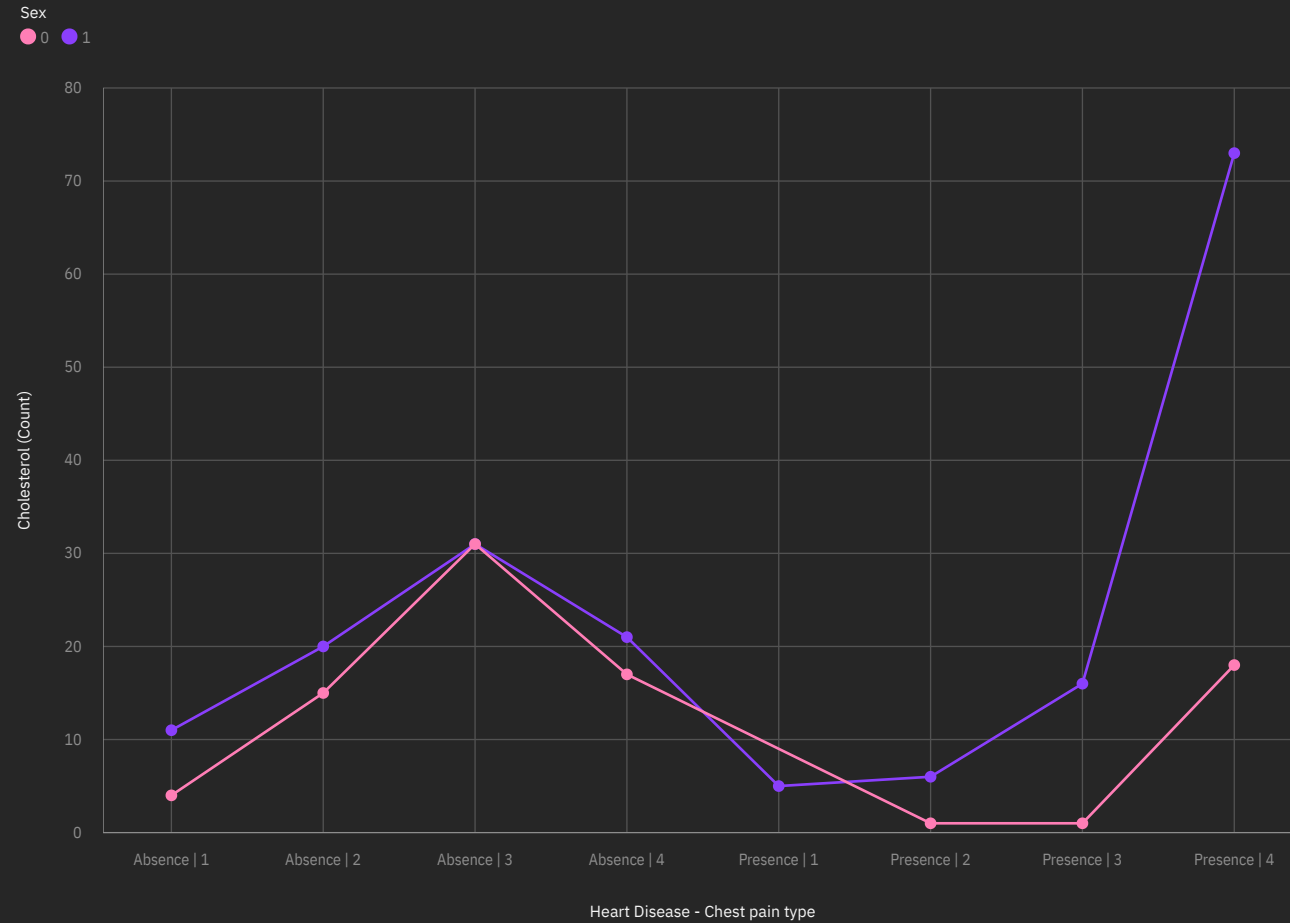
The average values of Age range from 0, occurring when Thallium - Sex - heart disease is 3|1|Absence, to 1, when Thallium - Sex - heart disease is 3|1|Absence.

Age and Max HR for Sex

| | Age | Max HR |
|---------|-------|--------|
| 0 | 55.68 | 192 |
| 1 | 53.84 | 202 |
| Summary | 54.43 | 202 |

The average values of Age range from 53.84, occurring when Sex is 1, to 55.68, when Sex is 0.

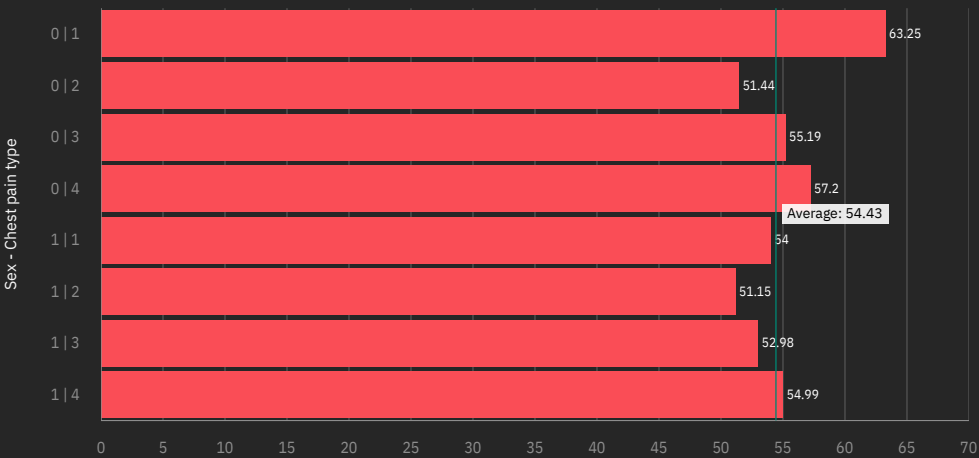
Cholesterol by Heart Disease and Chest pain type colored by Sex



The most common value of heart disease - Chest pain type is Absence 1, occurring 150 times, which is 55.6 % of the total.

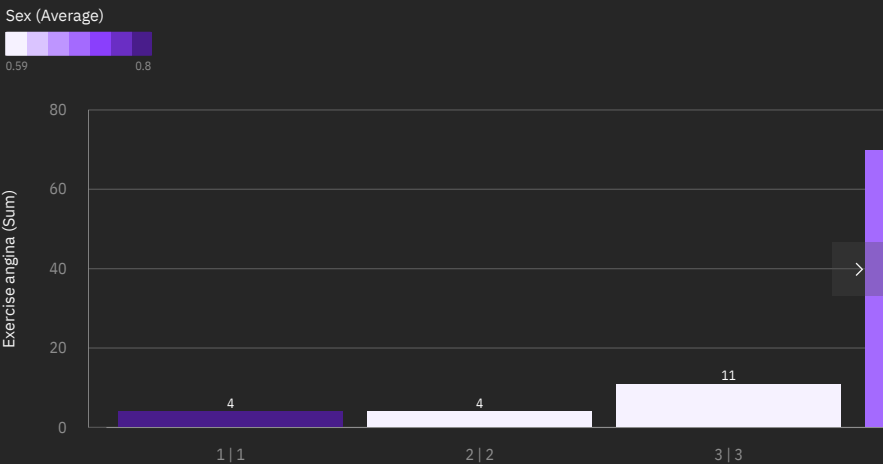
The most common value of Sex is Sex_CAT3, occurring 129 times, which is 47.8 % of the total

Age by Sex and Chest pain type



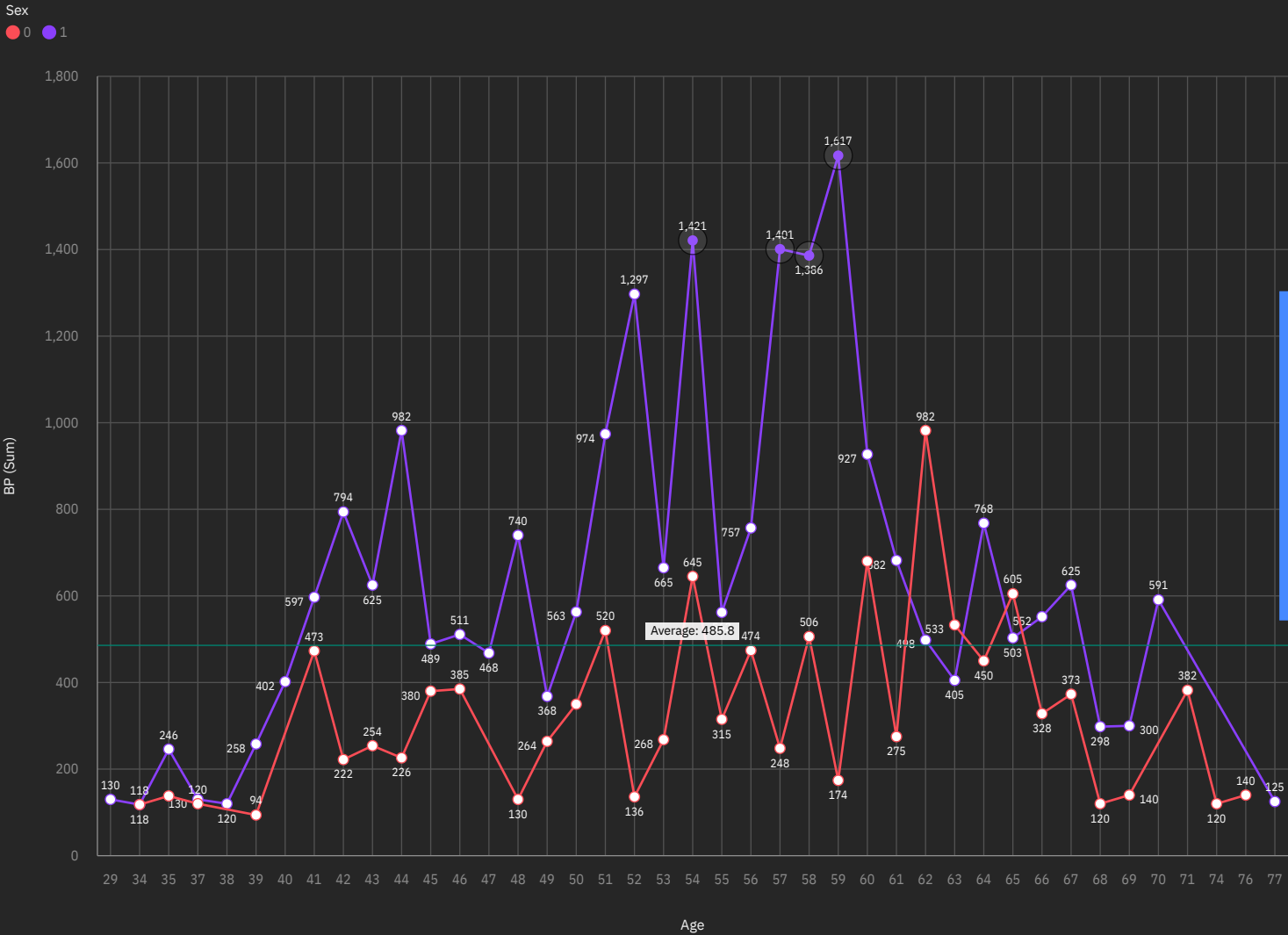
The average values of Age range from 0, occurring when Sex - Chest pain type is 0|1, to 3, when Sex - Chest pain type is 0|1.

Exercise angina by Chest pain type and Chest pain And Gender



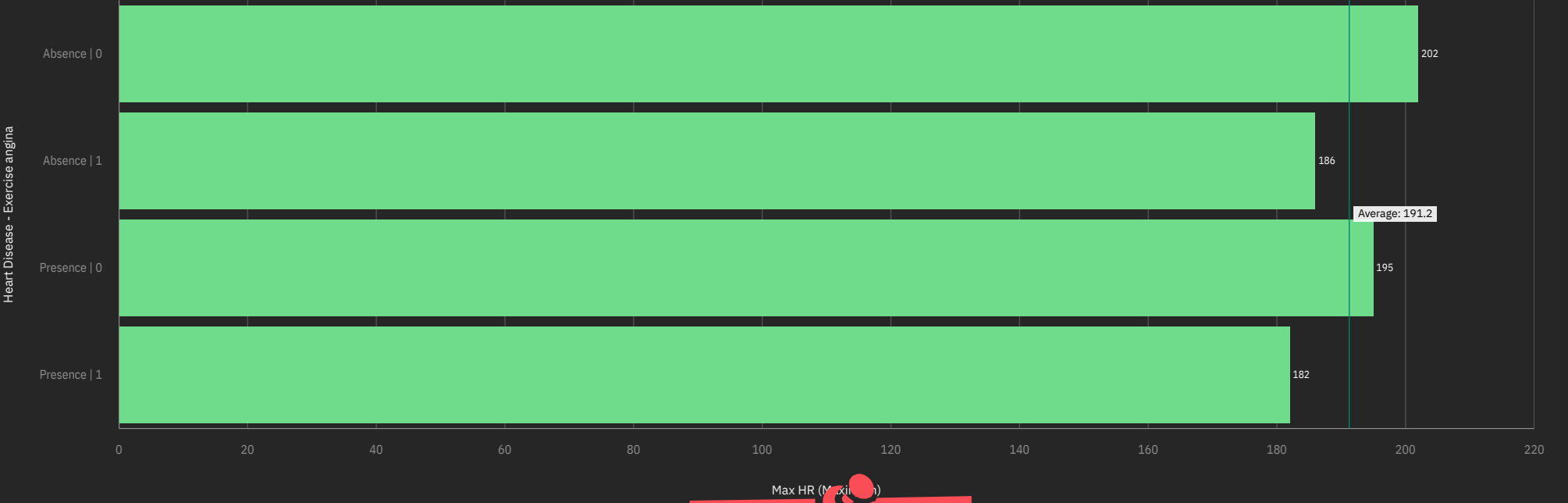
Over all chest pain type - chest pain types, the sum of Exercise angina is 6.

BP by Age colored by Sex



BP is unusually high
when Age is 54.

Max HR by Heart Disease and Exercise angina



The most common value of Heart Disease - Exercise angina is Absence|0, occurring 150 times, which is 55.6 % of the total.

Heart Disease for Chest pain type and Sex

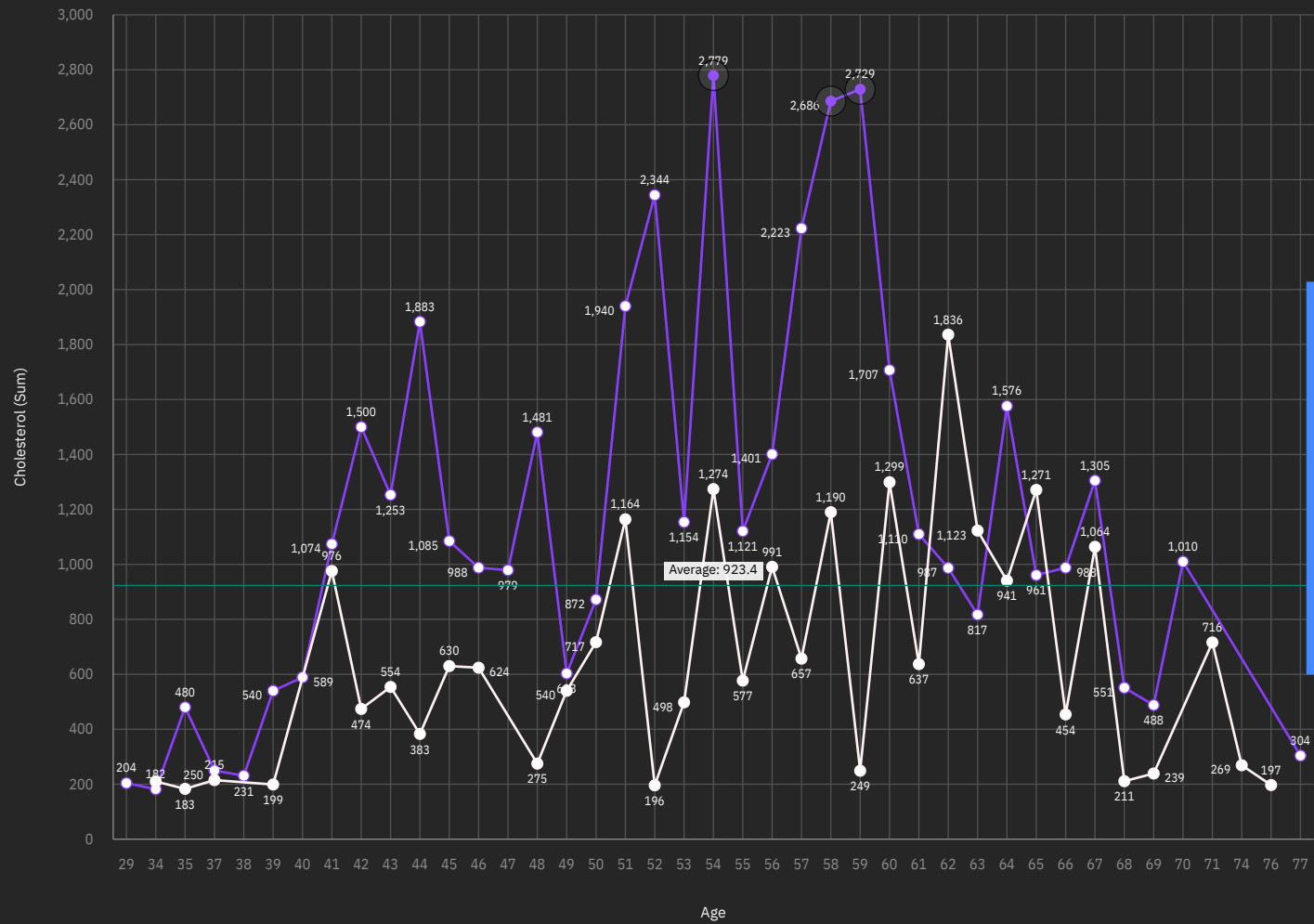
| Heart Disease | 1 | 2 | 3 | 4 | Summary |
|---------------|----|----|----|-----|---------|
| 0 | 4 | 16 | 32 | 35 | 87 |
| 1 | 16 | 26 | 47 | 94 | 183 |
| Summary | 20 | 42 | 79 | 129 | 270 |

The total number of results for Heart Disease, across all chest pain types, is 8.

Cholesterol by Age colored by Sex

Sex

● 0 ● 1

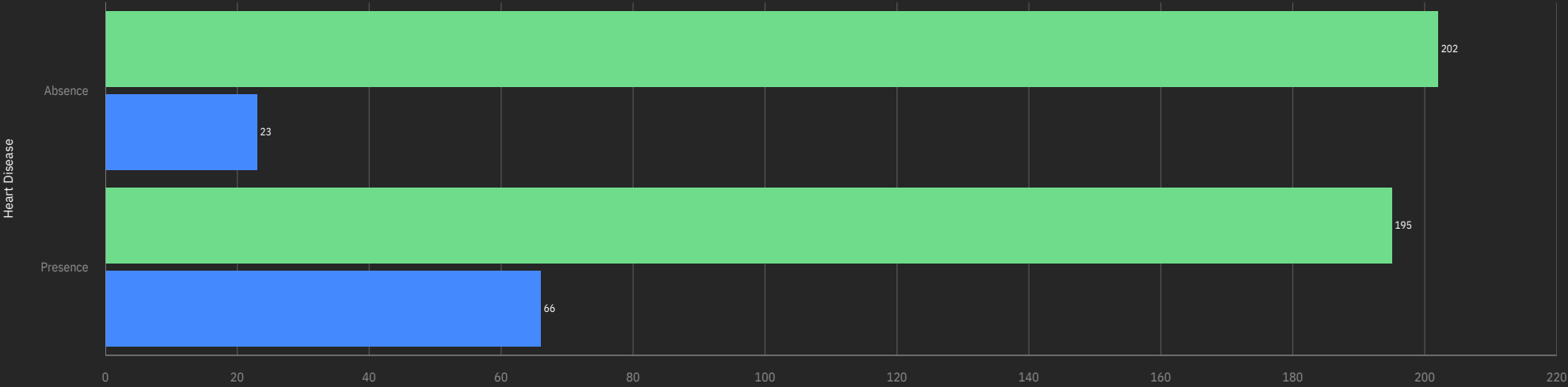


Cholesterol is unusually high when the combinations of Age and Sex are 54 and 1, 59 and 1 and 58 and 1.

Max HR and Exercise angina by Heart Disease

Measures

● Max HR ● Exercise angina



Exercise angina ranges from 23, when Heart Disease is Absence, to 66, when Heart Disease is Presence.