

# Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Team ID:PNT2022TMID17743

Team Members:

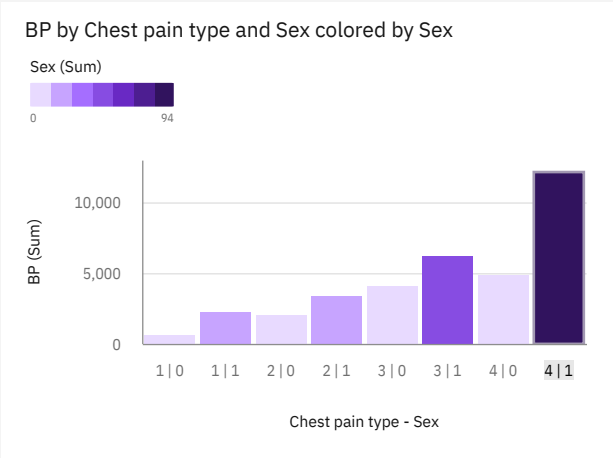
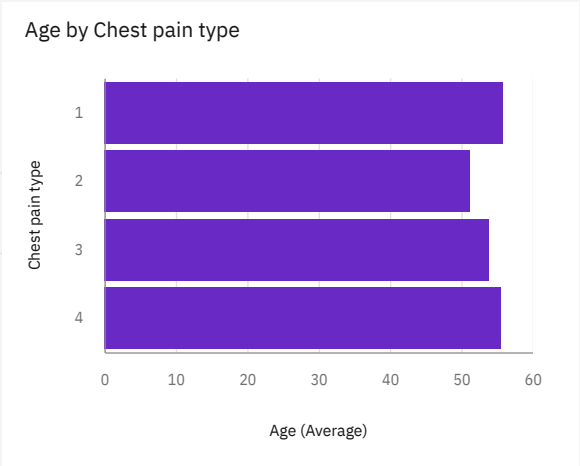
Joe Antony Celshiya.J.A

Hanna.S

Sripoornima.T

Harini.G

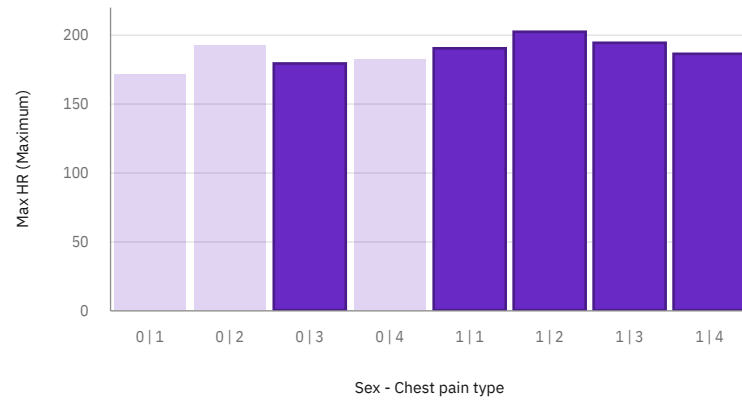
• abvcv



The average values of Age range from 51.26, occurring when Chest pain type is 2, to 55.85, when Chest pain type is 1.

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

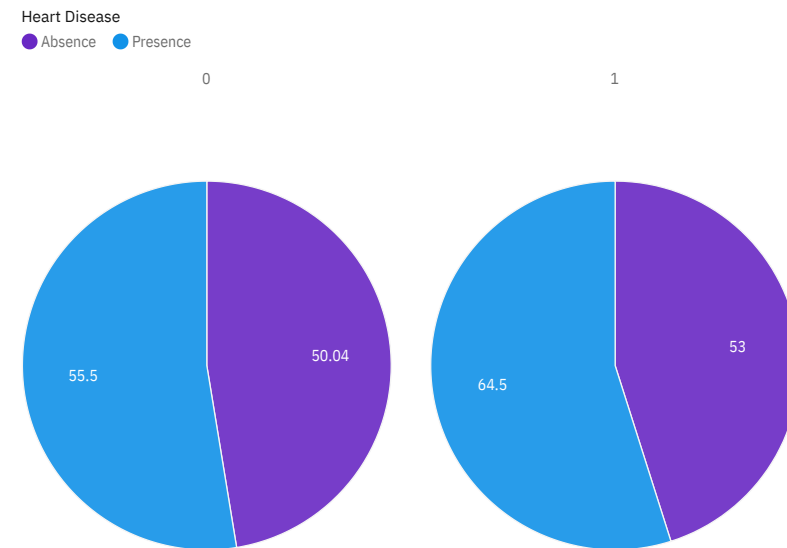
Max HR by Sex and Chest pain type



The most common value of Sex - Chest pain type is 0|2, occurring 183 times, which is 67.8 % of the total.

The largest value of Max HR is 3, occurring when Sex - Chest pain type is 0|1.

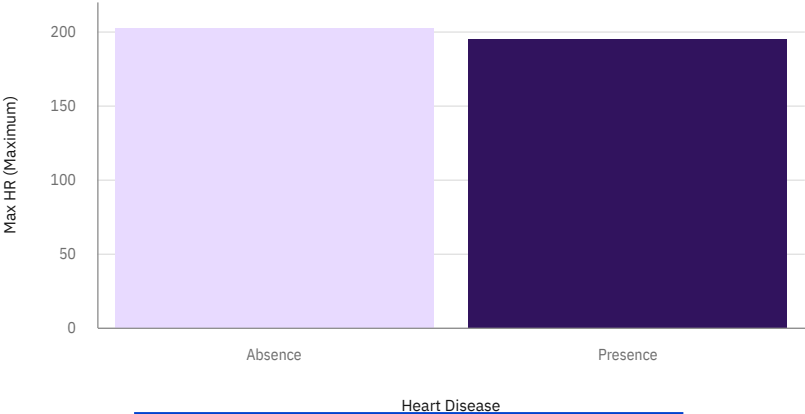
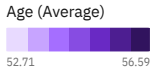
Age by Heart Disease



The most common value of Heart Disease is Absence, occurring 150 times, which is 55.6 % of the total.

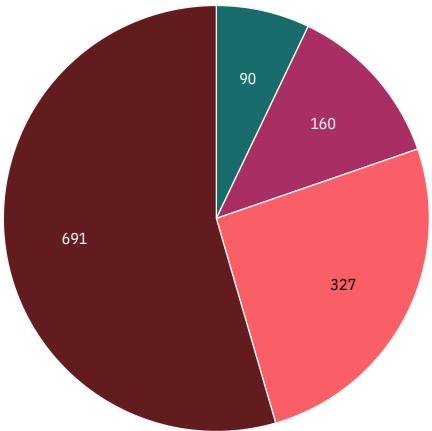
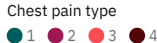
The most common value of Exercise angina is 0, occurring 181 times, which is 67 % of the total.

Max HR by Heart Disease colored by Age



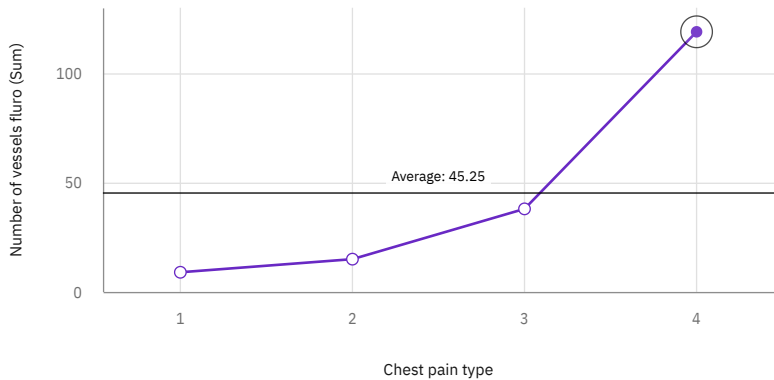
The most common value of Heart Disease is Absence, occurring 150 times, which is 55.6 % of the total. The largest value of Max HR is 200, occurring when Heart Disease is Absence.

Thallium by Chest pain type



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

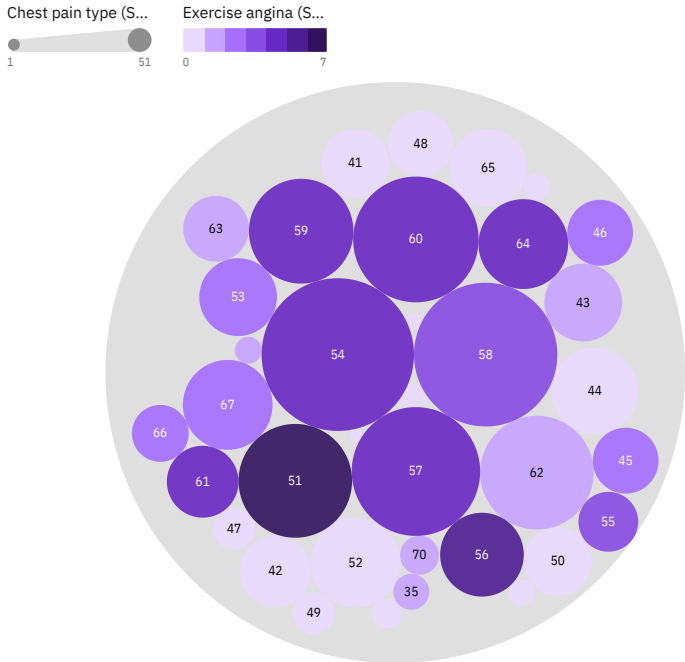
Number of vessels fluro by Chest pain type



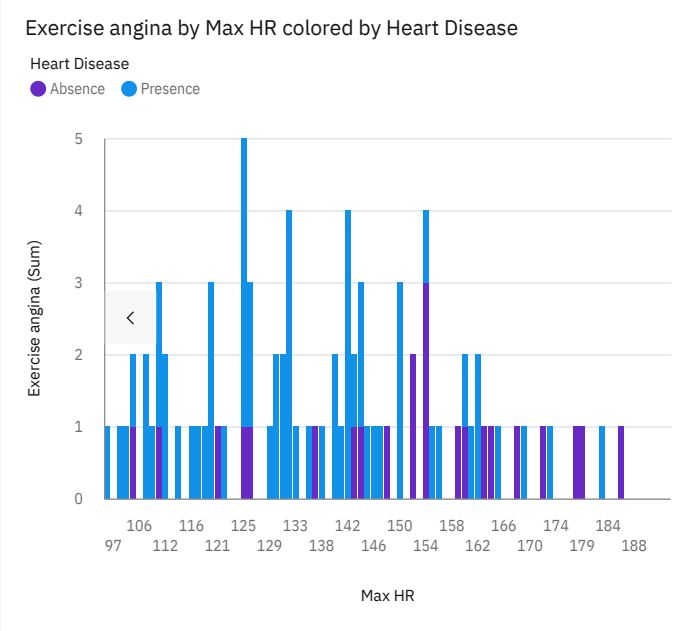
Number of vessels fluro ranges from 9, when Chest pain type is 1, to 119, when Chest pain type is 4.

Number of vessels fluro is unusually high when Chest pain type is 4.

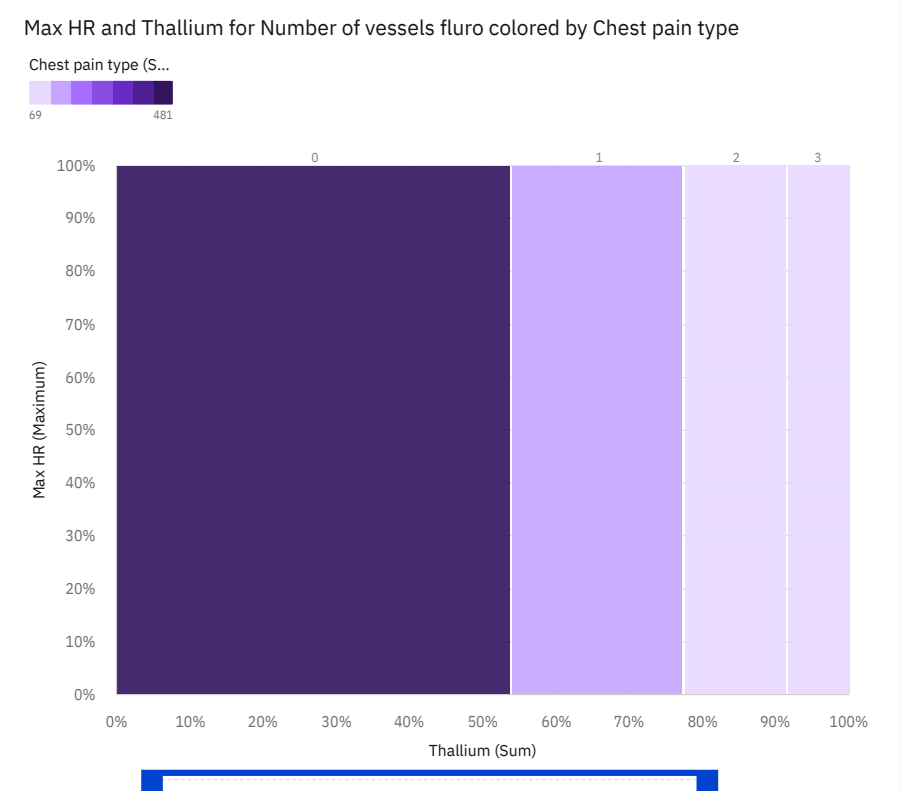
Age hierarchy colored by Exercise angina and sized by Chest pain type



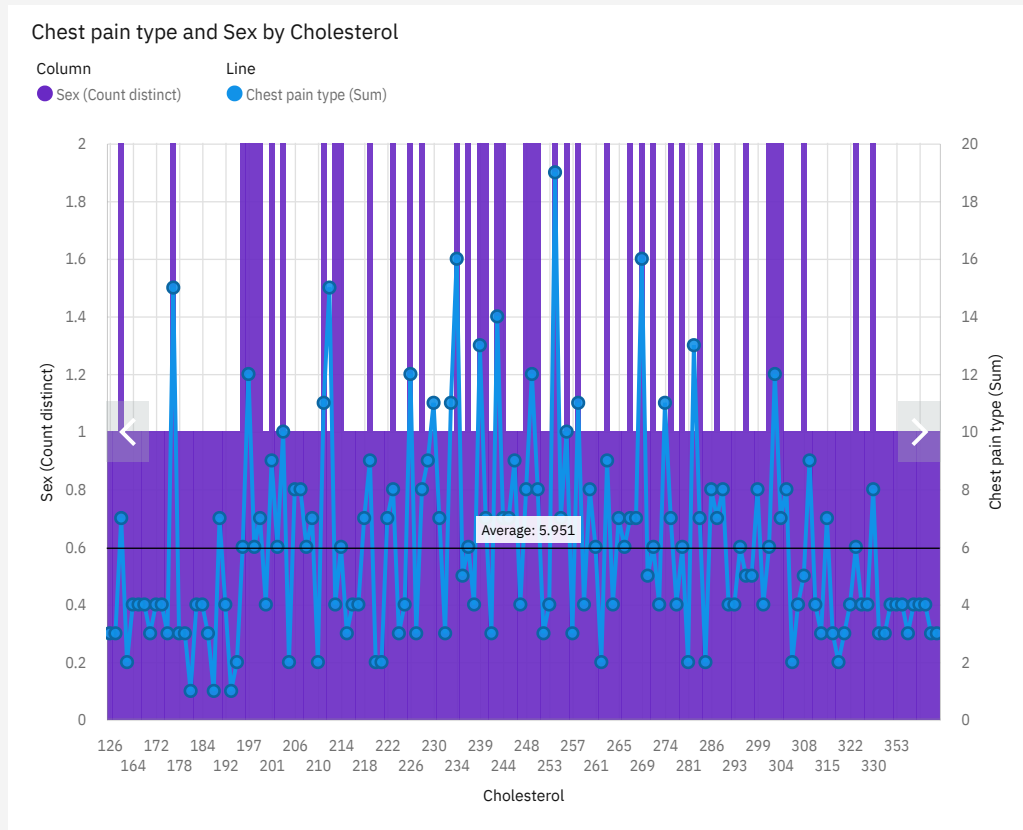
For Chest pain type, the most significant values of Age are 54 and 58, whose respective Chest pain type values add up to 99, or 11.6 % of the total.



For Exercise angina, the most significant value of Max HR is 125, whose respective Exercise angina values add up to 5, or 5.6 % of the total.



The most common value of Number of vessels fluoro is 0, occurring 160 times, which is 59.3 % of the total.



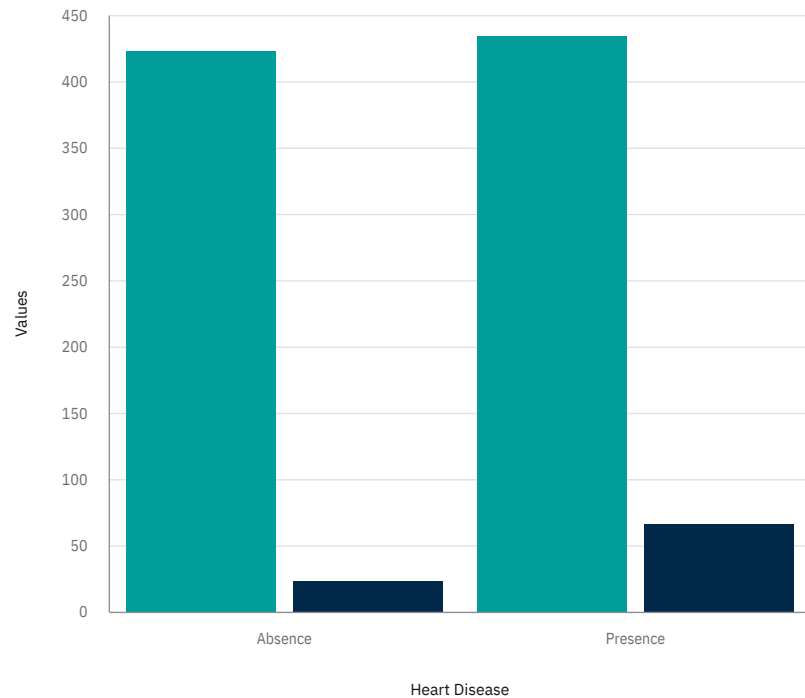
The total number of results for Sex, across all Cholesterol, is 270.

The most common value of Cholesterol is 234, occurring 6 times, which is 2.2 % of the total.

## Chest pain type and Exercise angina by Heart Disease

Measures

● Chest pain type ● Exercise angina



The most common value of Heart Disease is Absence, occurring 150 times, which is 55.6 % of the total.

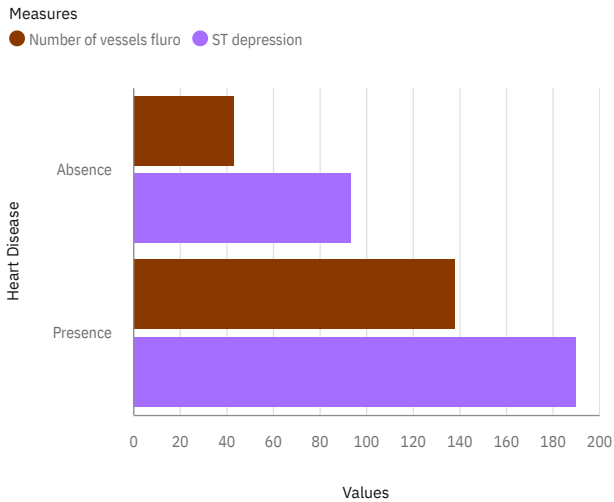
Over all heart diseases, the average of Exercise angina is 0.3296.

Chest pain type ranges from 423, when Heart Disease is Absence, to 434, when Heart Disease is Presence.

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



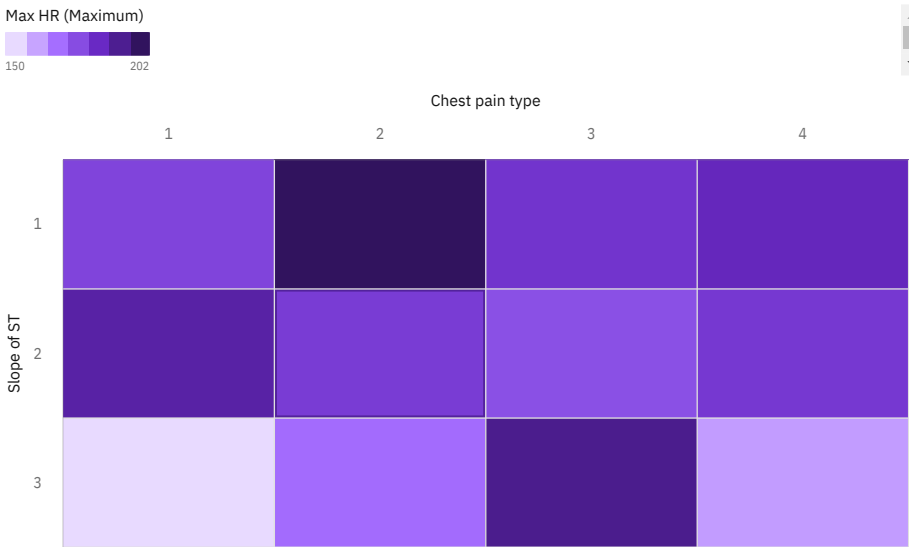
Number of vessels fluro and ST depression by Heart Disease



ST depression ranges from 93.4, when Heart Disease is Absence, to 190.1, when Heart Disease is Presence.

Number of vessels fluro ranges from 43, when Heart Disease is Absence, to 138, when Heart Disease is Presence

Max HR by Slope of ST and Chest pain type



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

The most common values of Slope of ST are 1 (48.1 %) and 2 (45.2 %), together occurring 252 times, which is 93.3 % of the total.