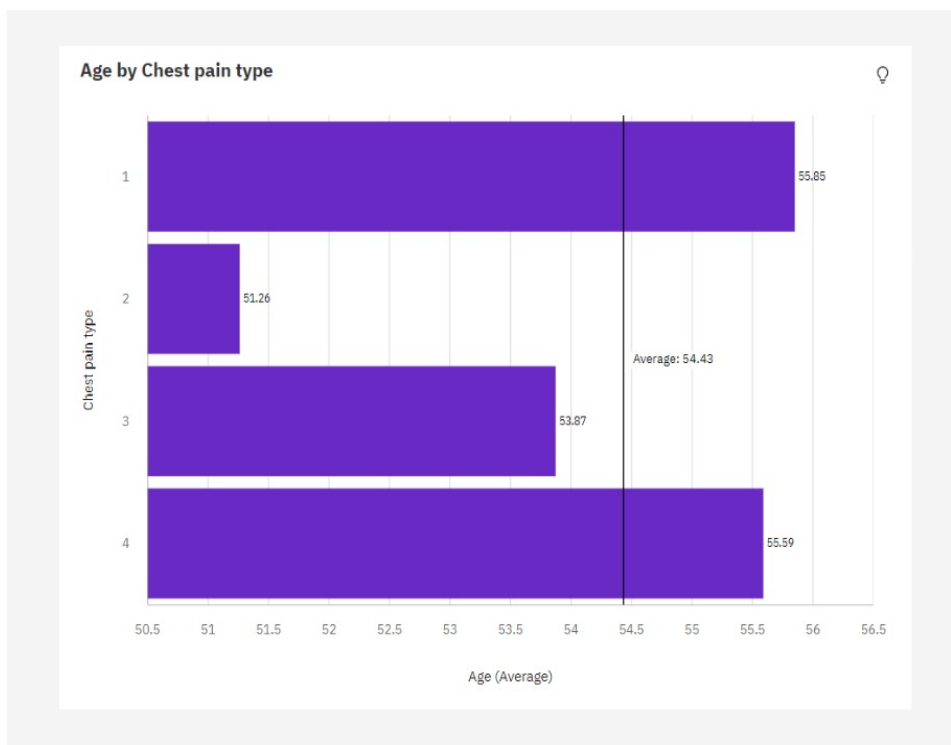


# Working with Dataset

## Exploration of Dataset

Date	30 October 2022
Team id	PNT2022TMID21213
Project name	VISUALIZING AND PREDICTING HEART DISEASEWITH AN INTERACTIVE DASHBOARD
Maximum Marks	4 Marks

## Exploration of AGE BY CHEST PAIN TYPE



### Details

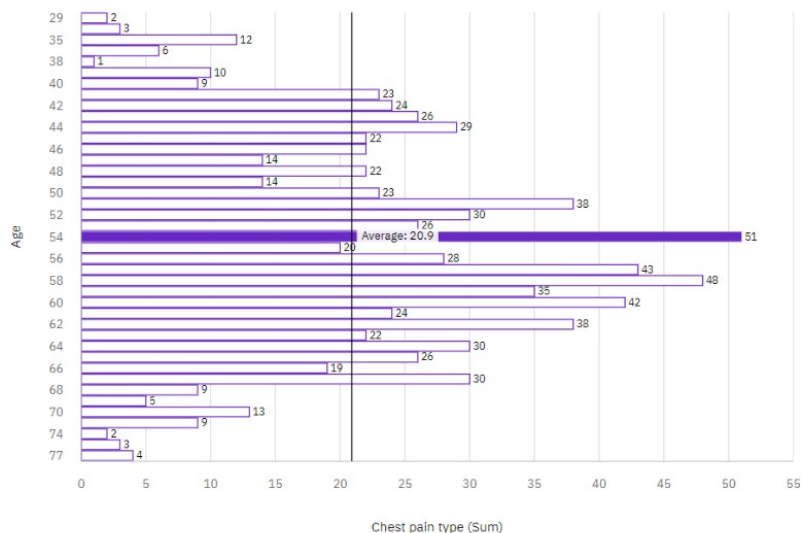
Over all **chest pain types**, the average of **Age** is 54.43.

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** is 4, occurring 129 times, which is 47.8 % of the total.

## Exploration of CHEST PAIN BY AGE

Chest pain type by Age



### Details

Over all **ages**, the sum of **Chest pain type** is 857.

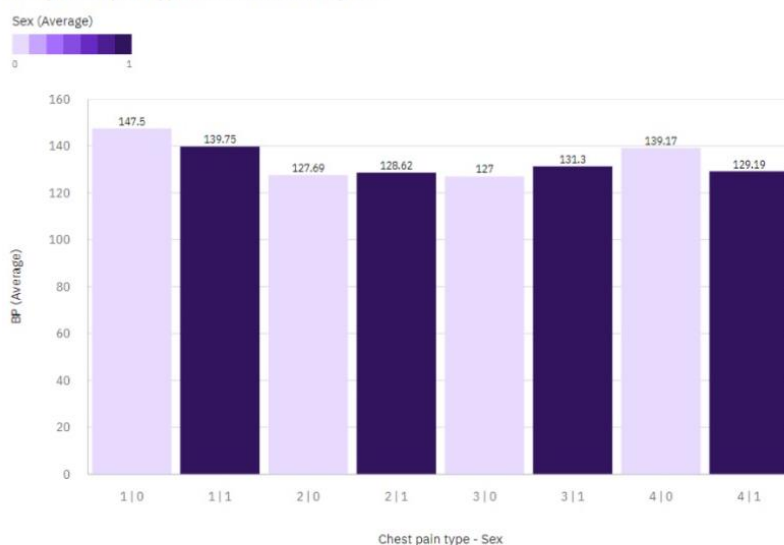
For **Chest pain type**, the most significant values of **Age** are 54 and 58, whose respective **Chest pain type** values add up to 99, or 11.6 % of the total.

**Chest pain type** ranges from 1, when **Age** is 38, to 51, when **Age** is 54.

**Chest pain type** is unusually high when **Age** is 54.

## Exploration of BP VS CHEST PAIN TYPE AND GENDER

BP by Chest pain type and Sex colored by Sex



### Details

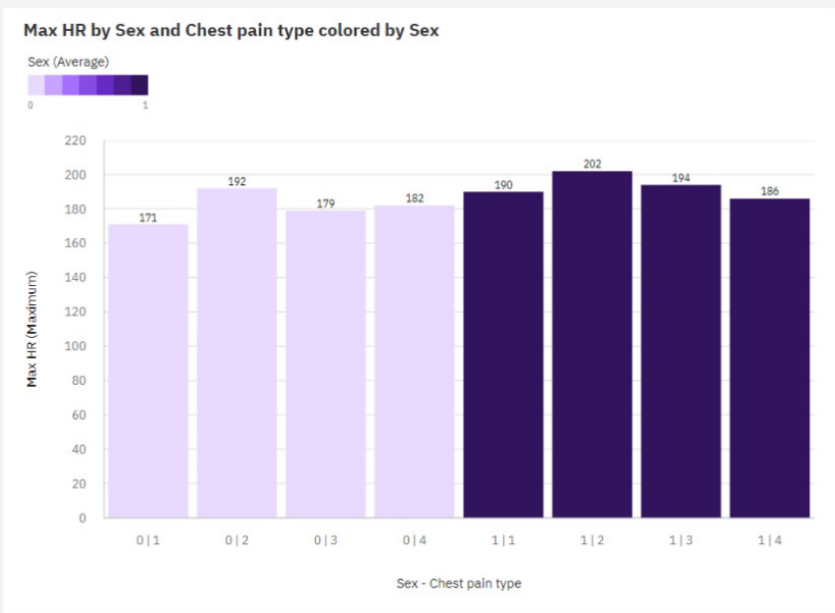
The most common value of **Chest pain type - Sex** is 2|1, occurring 129 times, which is 47.8 % of the total.

The total number of results for **Sex** is 270.

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.

# Exploration of HEART RATE during CHEST PAIN



## Details

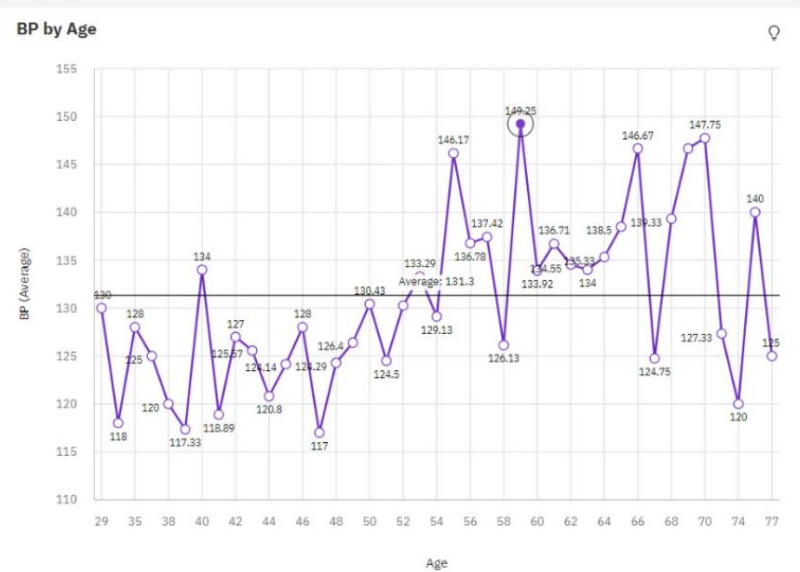
The total number of results for **Max HR** is 270.

The total number of results for **Sex** is 270.

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.

# Exploration of BP by AGE



## Details

Over all **ages**, the average of **BP** is 131.3.

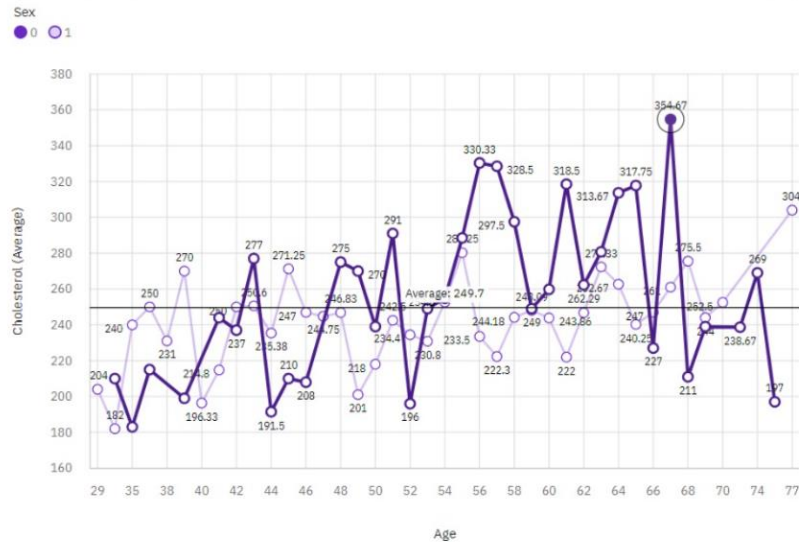
The average values of **BP** range from 117, occurring when **Age** is 47, to 149.2, when **Age** is 59.

**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.

# Exploration of CHOLESTEROL by AGE and GENDER

Cholesterol by Age colored by Sex



## 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.