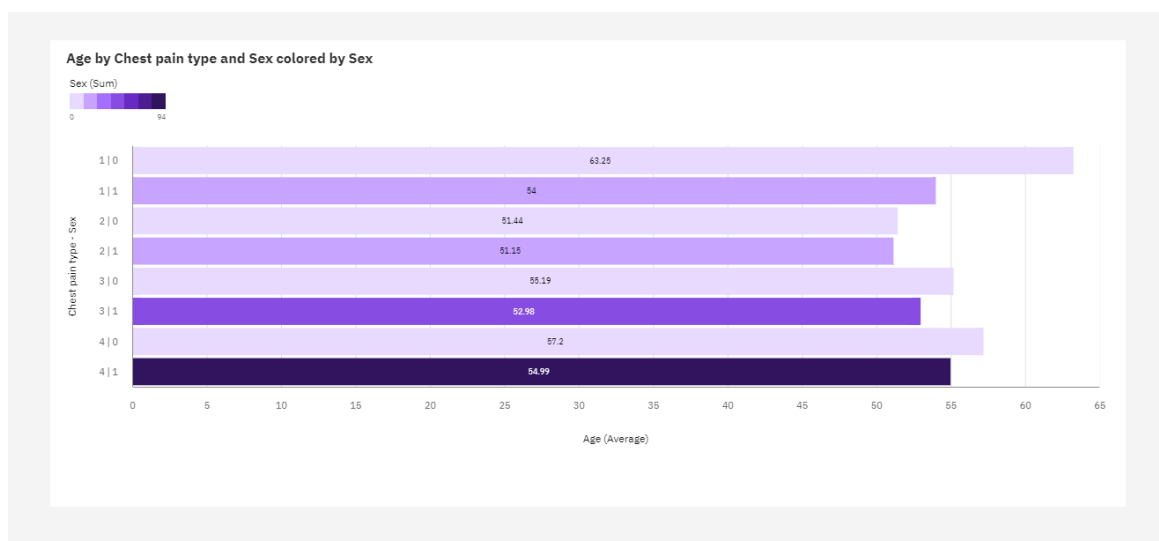
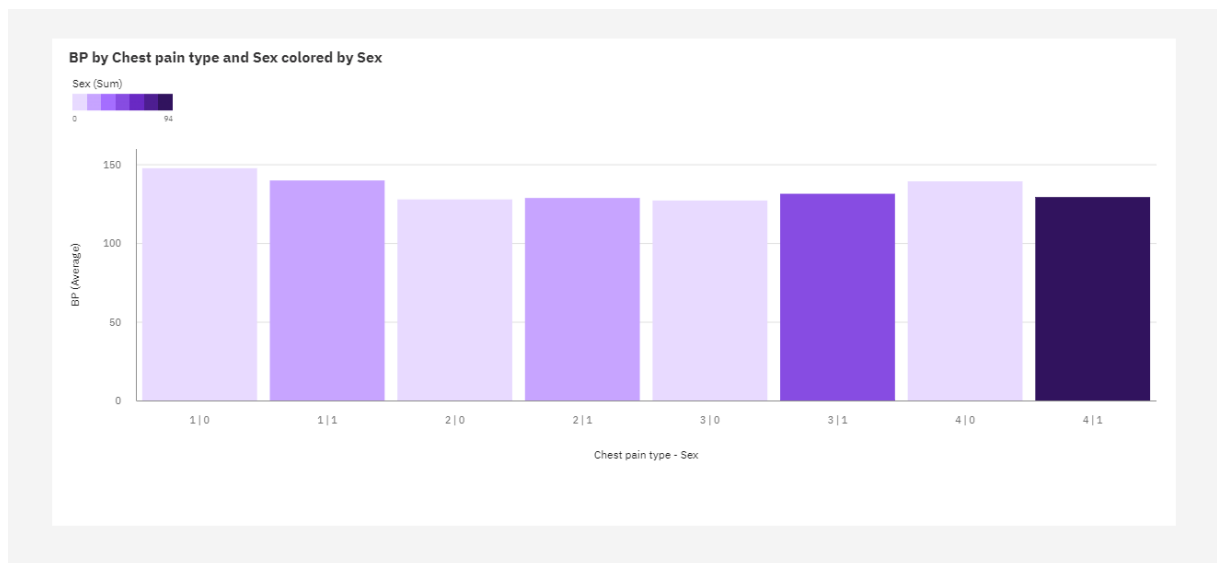


# WORKING WITH DATASET

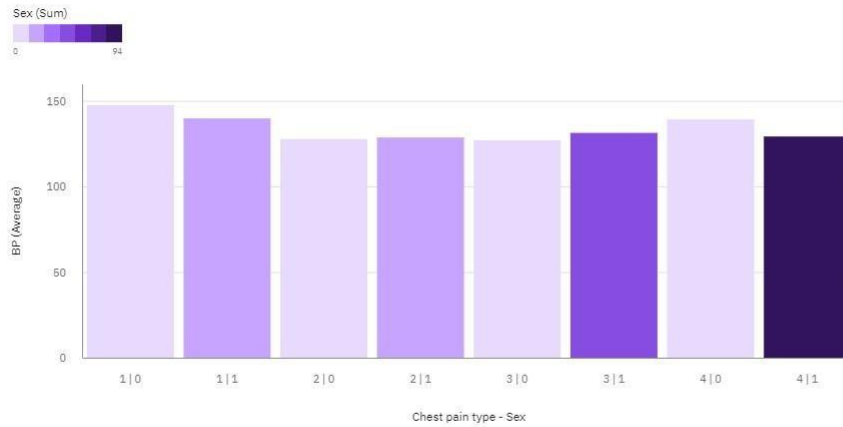
Date	30 October 2022
Team ID	PNT2022TMID26940
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board

## Exploration of BP vs Chest Pain Type and Gender



# Exploration of Max Heart Rate During The Chest Pain

BP by Chest pain type and Sex colored by Sex



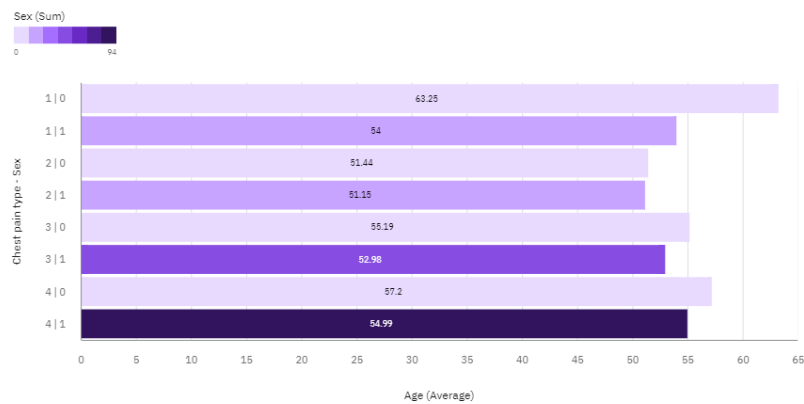
## Details

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.

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

Age by Chest pain type and Sex colored by Sex



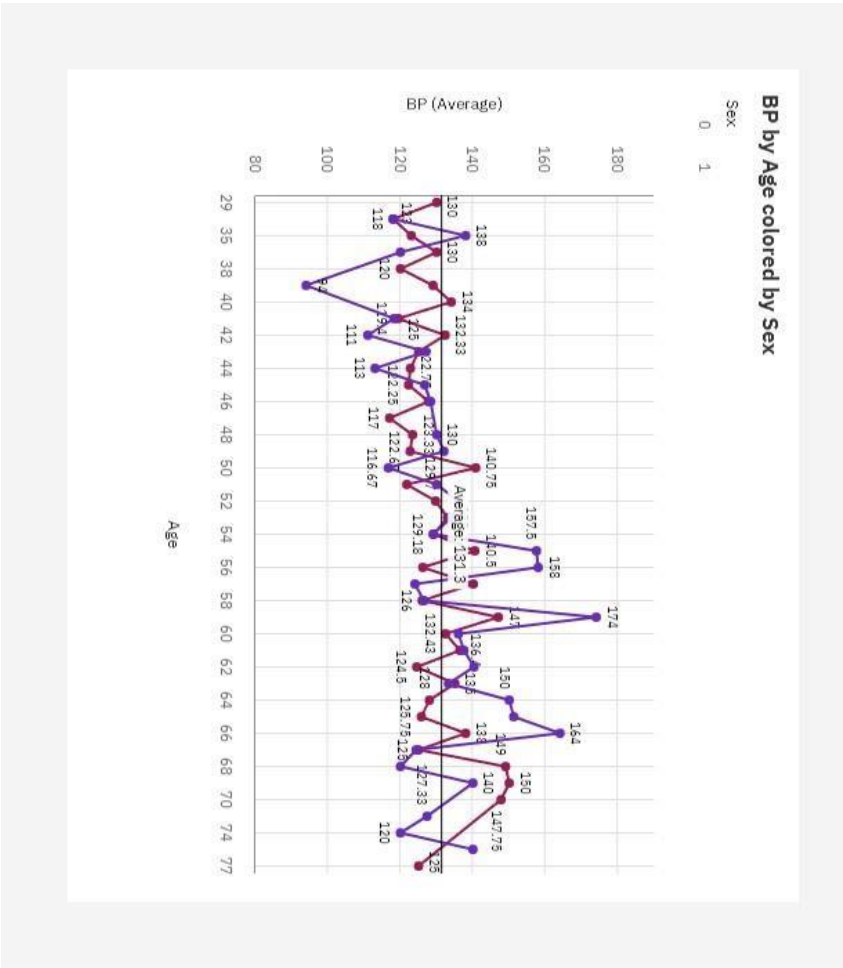
## Details

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

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

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

# Exploration of BP By Age



## Details

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.

The most common value of **Sex** is 1, occurring 183 times, which is 67.8 % of the total.

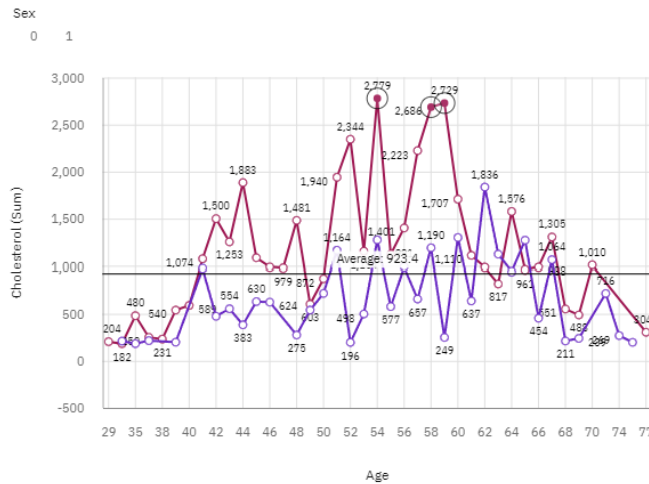
**BP** is unusually high when **Age** is 59.

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

The average values of **BP** range from 94 to 174.

# Exploration of Cholesterol By Age And Gender

Cholesterol by Age colored by Sex



## Details

For **Cholesterol**, the most significant value of **Sex** is 1, whose respective **Cholesterol** values add up to over 44 thousand, or 65.8 % of the total.

Across all **ages** and **sexes**, the sum of **Cholesterol** is over 67 thousand.

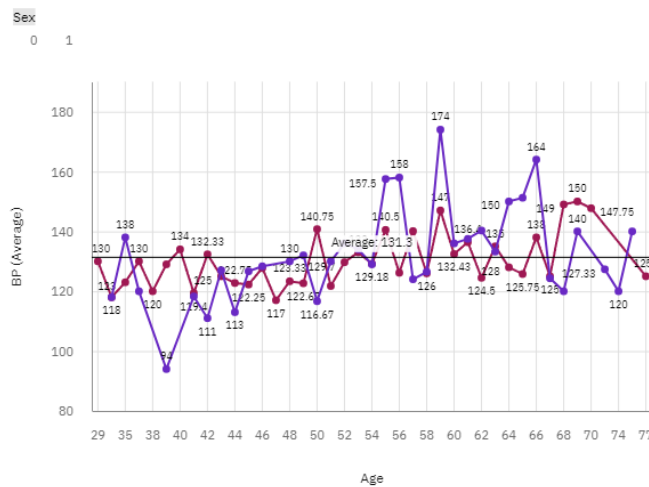
For **Cholesterol**, the most significant values of **Age** are 54 and 58, whose respective **Cholesterol** values add up to nearly eight thousand, or 11.8 % of the total.

The summed values of **Cholesterol** range from 182 to nearly three thousand.

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

**Cholesterol** is unusually high when **Age** is 54 and 58.

BP by Age colored by Sex



## Details

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.

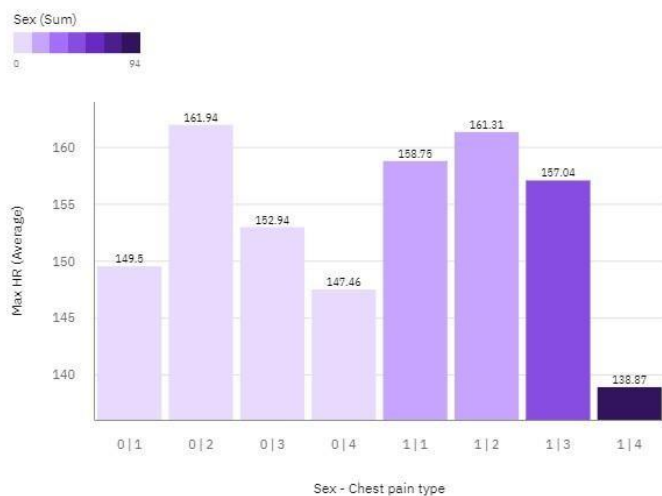
**BP** is unusually high when **Age** is 59.

The most common value of **Sex** is 1, occurring 183 times, which is 67.8 % of the total.

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

The average values of **BP** range from 94 to 174.

Max HR by Sex and Chest pain type colored by Sex



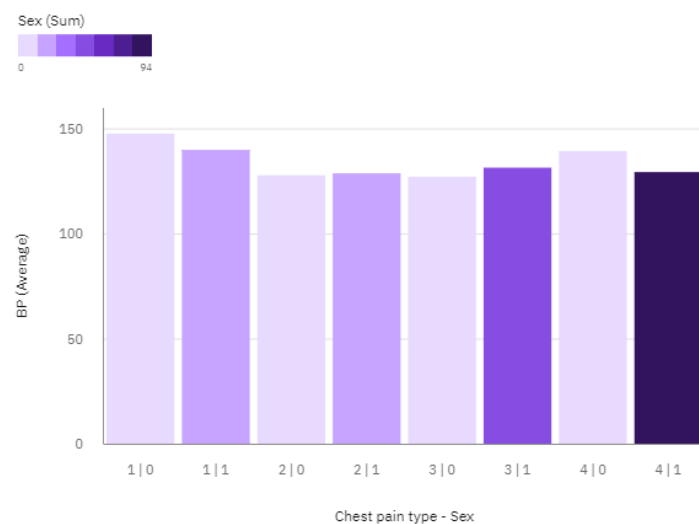
## Details

Over all **sex - chest pain types**, the average of **Max HR** is 2,174.

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

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

BP by Chest pain type and Sex colored by Sex



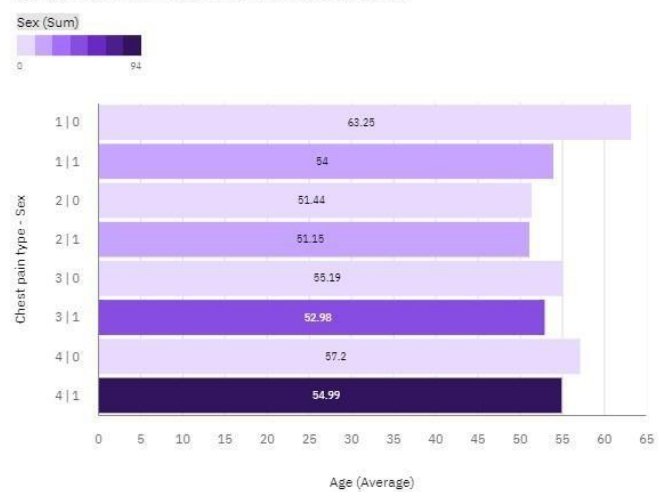
## Details

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.

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

Age 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.

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

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