WORKING WITH DATASET

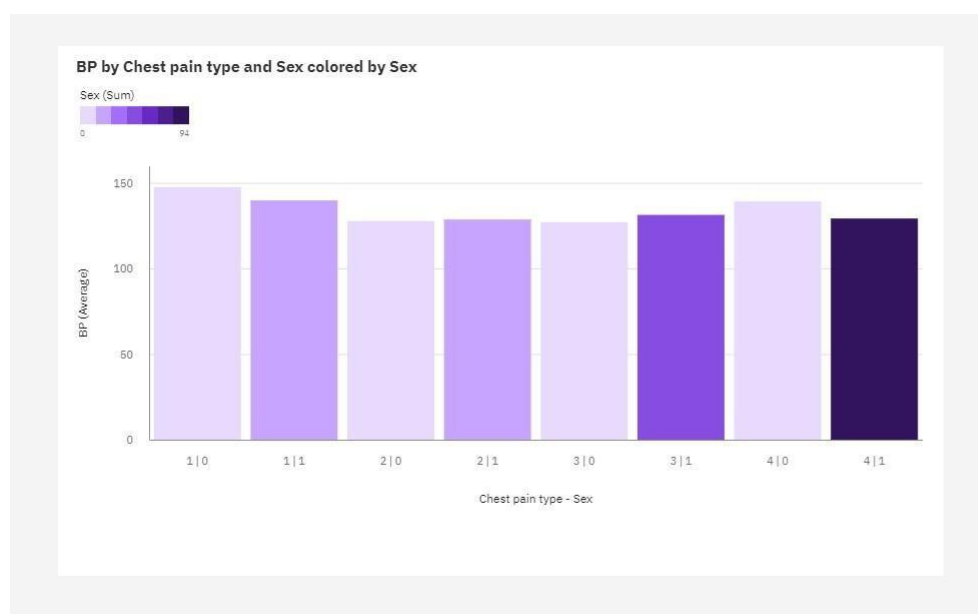| Date	30 October 2022
Team ID	PNT2022TMID30513
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Exploration Of BP vs Chest Pain Type and Gender

Age by Chest pain type and Sex colored by Sex

Sex (Sum)

0 ——— 94

Chest pain type - Sex	Age (Average)
1 | 0	63.25
1 | 1	54
2 | 0	51.44
2 | 1	51.15
3 | 0	55.19
3 | 1	52.98
4 | 0	57.2
4 | 1	54.99

0 5 10 15 20 25 30 35 40 45 50 55 60 65
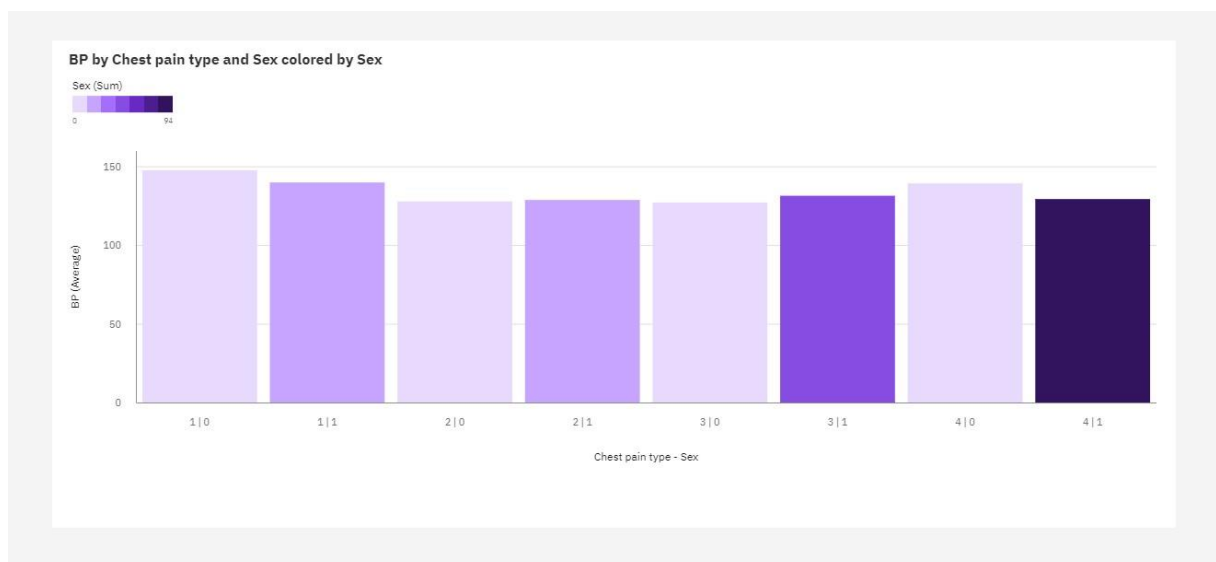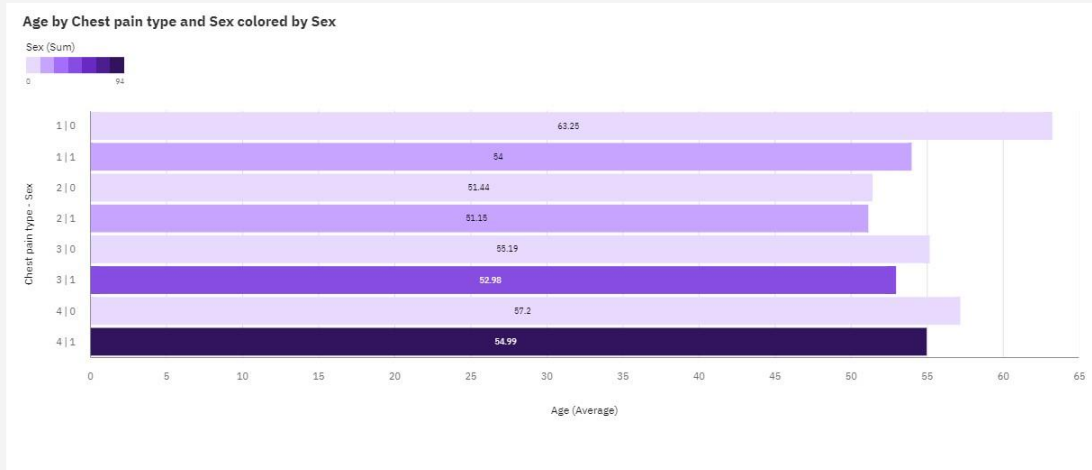
Age (Average)

Exploration Of Max Heart Rate During The Chest Pain

BP by Chest pain type and Sex colored by Sex

Sex (Sum)

0 ——— 94

BP (Average) — 150, 100, 50, 0

1 \| 0   1 \| 1   2 \| 0   2 \| 1   3 \| 0   3 \| 1   4 \| 0   4 \| 1

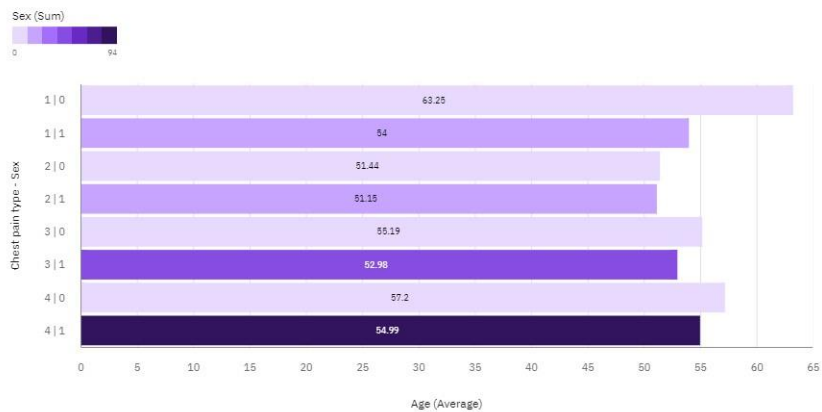Chest pain type - Sex

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

Sex (Sum)

0 — 94

| Chest pain type - Sex	Age (Average)
1|0	63.25
1|1	54
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Exploration Of BP By Age

BP by Age colored by Sex
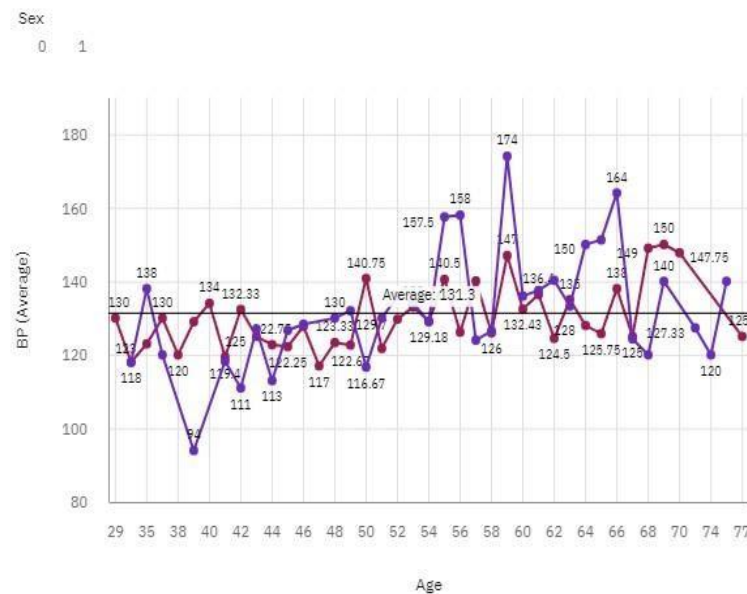
Sex   0   1

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.

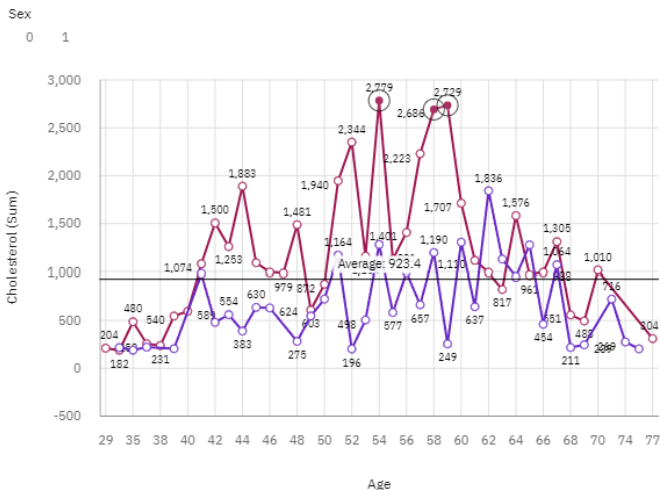The most common value of **Sex** is 1, occurring 183 times, which is 67.8 % of the total.

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 Chorestrol 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
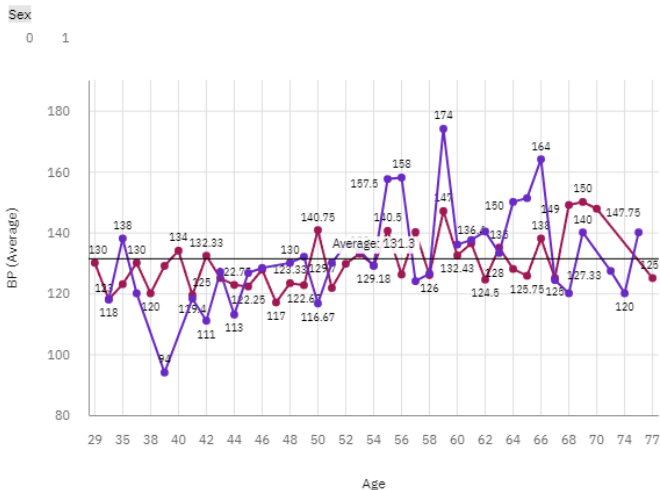
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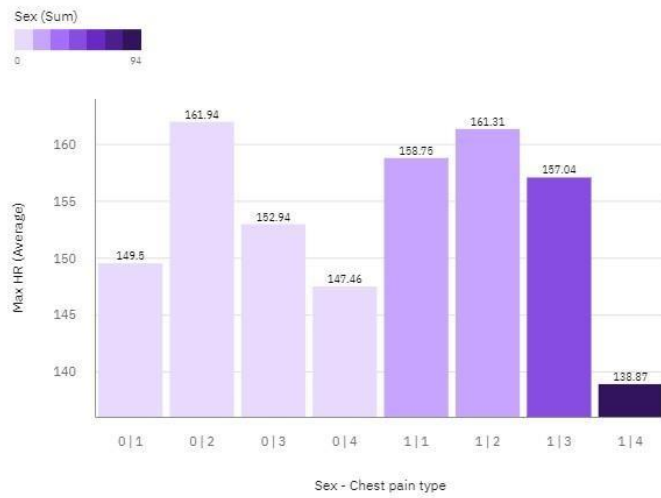
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Max HR by Sex and Chest pain type colored by Sex

Sex (Sum)

0 — 94

Max HR (Average)

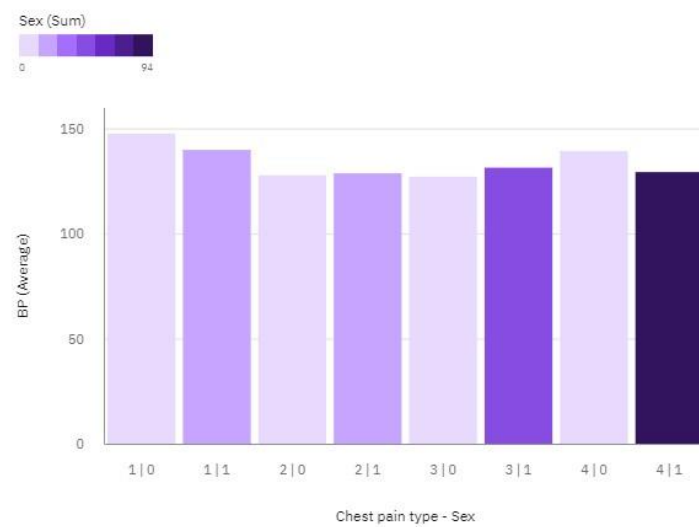| Sex - Chest pain type	Value
0|1	149.5
0|2	161.94
0|3	152.94
0|4	147.46
1|1	158.75
1|2	161.31
1|3	157.04
1|4	138.87

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

Sex (Sum)

0 — 94

BP (Average)

Chest pain type - Sex: 1|0, 1|1, 2|0, 2|1, 3|0, 3|1, 4|0, 4|1
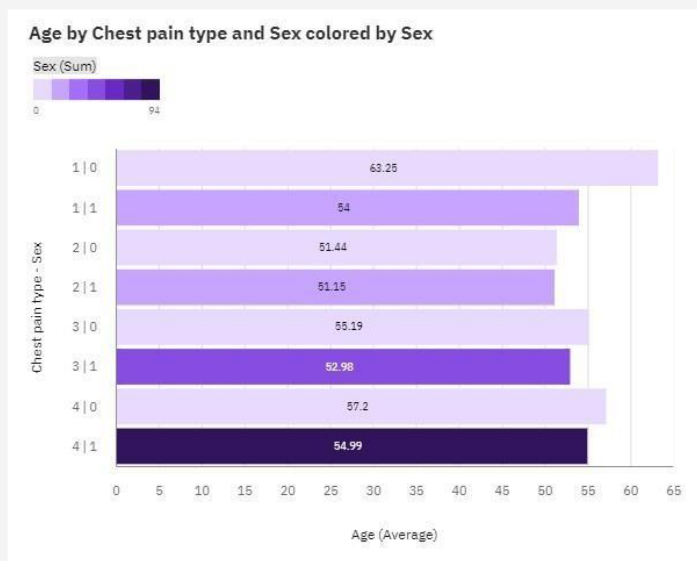
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Age (Average)

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