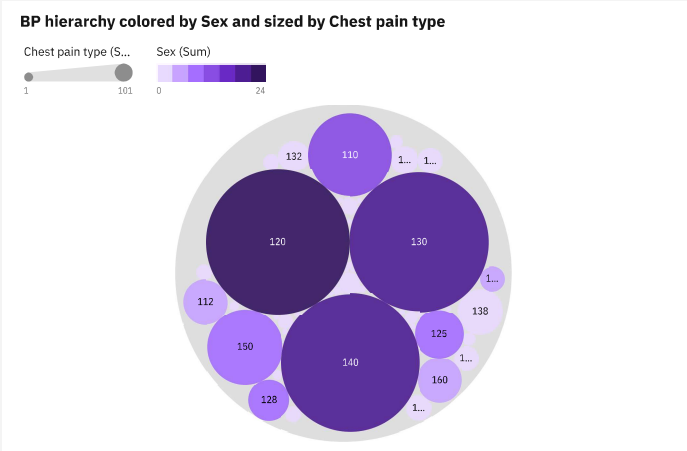


Heart disease prediction

Sprint 3 Story

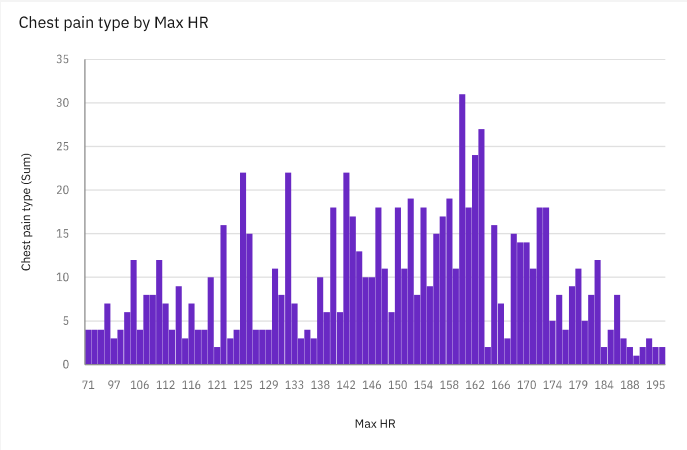
BP vs Chest pain type & Gender

- Over all values of BP, the sum of Chest pain type is 857.
- For Chest pain type, the most significant values of BP are 120, 130, and 140, whose respective Chest pain type values add up to 296, or 34.5 % of the total.
- Chest pain type ranges from 1, when BP is 148, to 101, when BP is 120.



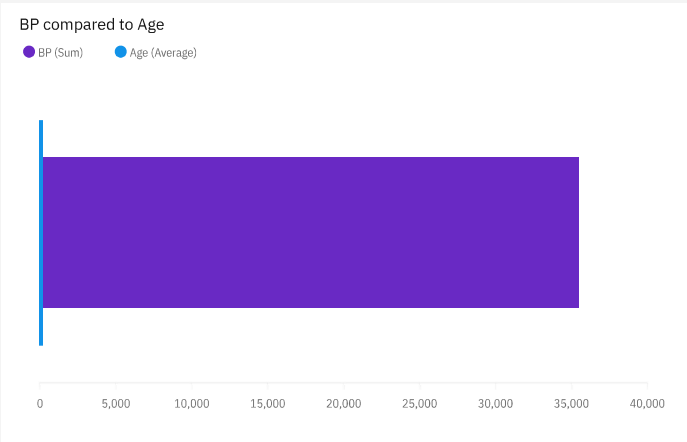
Max HR during Chest pain

- The Average value of chest pain type is 9.522.
- The value of chest pain type is unusually high when Max HR is 160.
- Over all max hrs, the sum of chest pain type is 857.
- Chest pain type is unusually high when Max HR is 160.



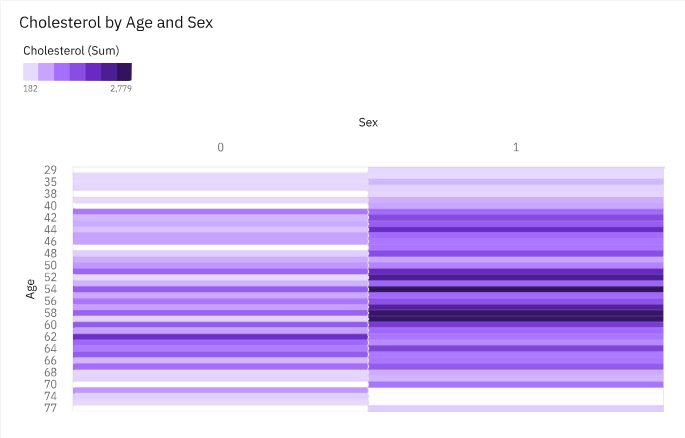
BP by Age

- The total number of results for BP is 270.
- The total number of results for Age is 270.



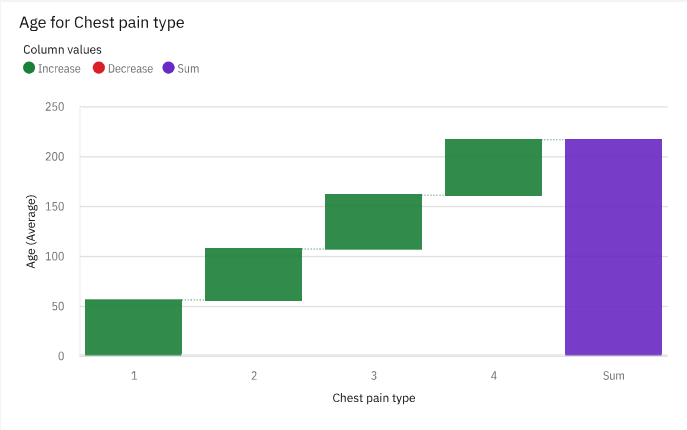
Cholesterol by Age and Gender

- The Average value of cholesterol is 923.4.
- The value of cholesterol is unusually high when the combinations of Age and Sex are 54+1, 59+1 and 58+1.
- The summed values of Cholesterol range from 182 to nearly 3 thousand.
- Cholesterol is unusually high when Age is 54 and 58.



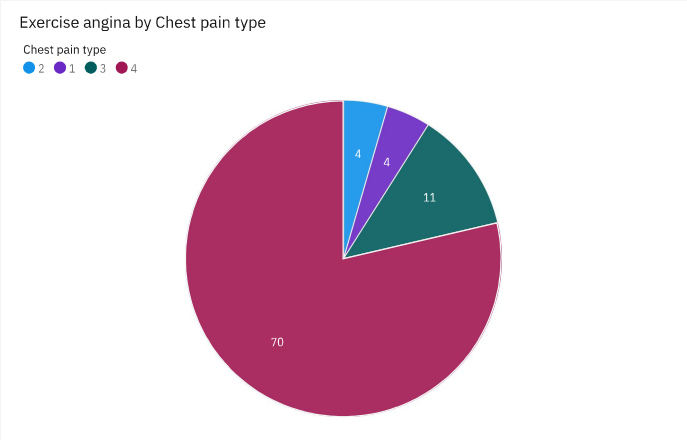
Average Age for Different Chest pain types

- The Average value Of Age is 54.43.
- There is no reliable predictive relationship between Chest pain type and Age.
- 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.



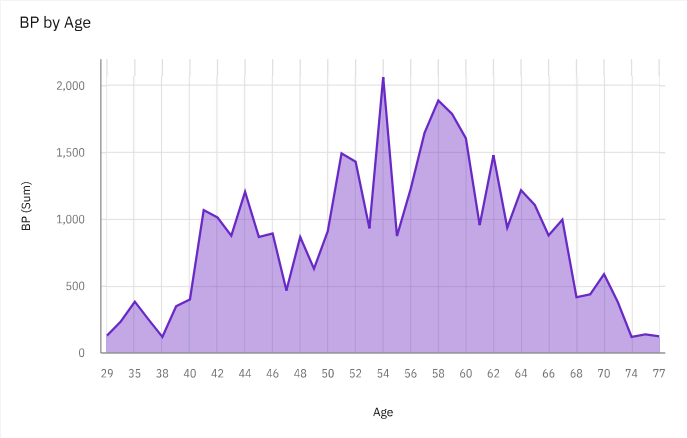
Average Exercise Angina during Chest pain

- The Average value of Exercise angina is 22.25.
- Over all chest pain type , the sum of Exercise Angina is 89.
- Exercise angina is unusually high when chest pain type is 4.



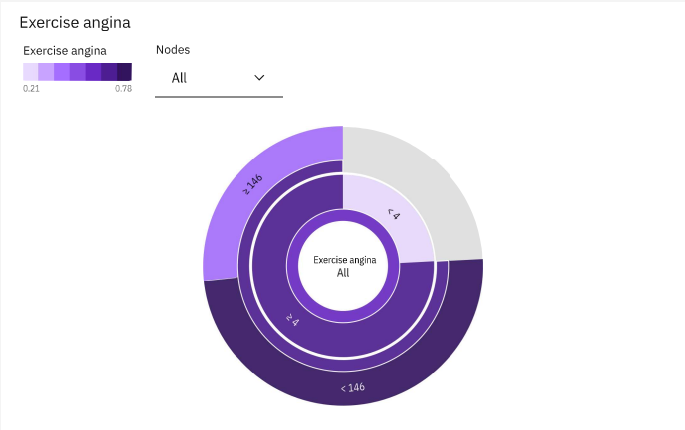
BP variation with respect to Age

- The Average value of Exercise angina is 22.25.
- The value of Exercise angina is unusually high when chest pain type is 4.
- Over all chest pain type, the sum of Exercise Angina is 89.
- Exercise angina is unusually high when chest pain type is 4.



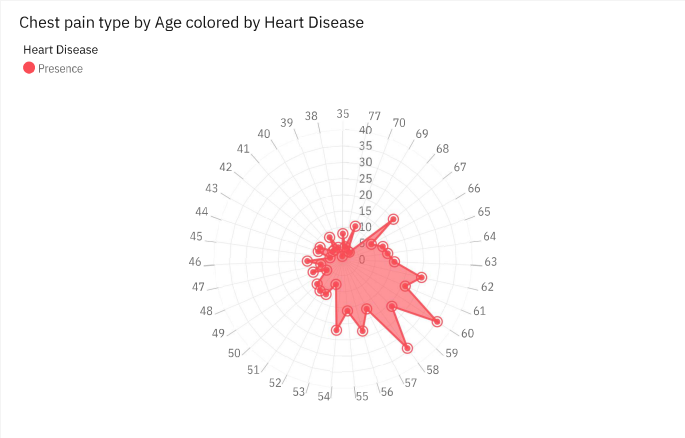
Effect of existing heart disease on Average of Exercise Angina

• Chest pain type and Max HR slightly drive Exercise Angina (23.3%).



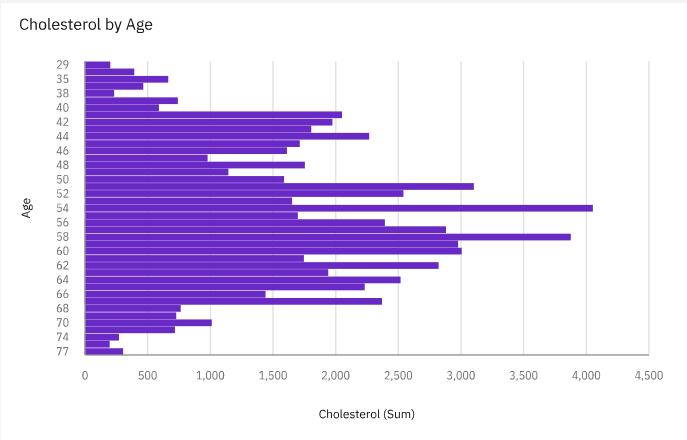
Average age for different types of Chest pain in Existing Heart diseases

- This visualization is predicting the average age for different types of Chest pain types in existing heart diseases.



Serum Cholesterol levels vs Age

- The Average value of Cholesterol is **1644**.
- Across all ages , the sum of Cholesterol is over 67 thousand.
- for Cholesterol, the most significant values of Age are 54 and 58.
- Cholesterol ranges from 197, when Age is 76, to over 4000, when Age is 54.



Maximum Heart rate in Existing heart disease by Exercise Angina

- The Average value of Exercise angina is 0.98.
- For Exercise angina, the most significant values of Max HR are 125, 132, 142, 150 and 120, whose respective Exercise angina values add up to 18 or 27.3 % of the total.
- Over all max hours and heart diseases, the sum of Exercise angina is 66.
- The summed values of Exercise angina range from 0 to 4.

