

# Heart Disease Diagnostic Data Analytics Project

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WIREFRAME DOCUMENT

# Heart Disease Status

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- In this project, we have taken the dataset to analyse the Heart-Disease with respect to different attributes.
- There are 45.875% of population who is suffering from Heart-Disease.

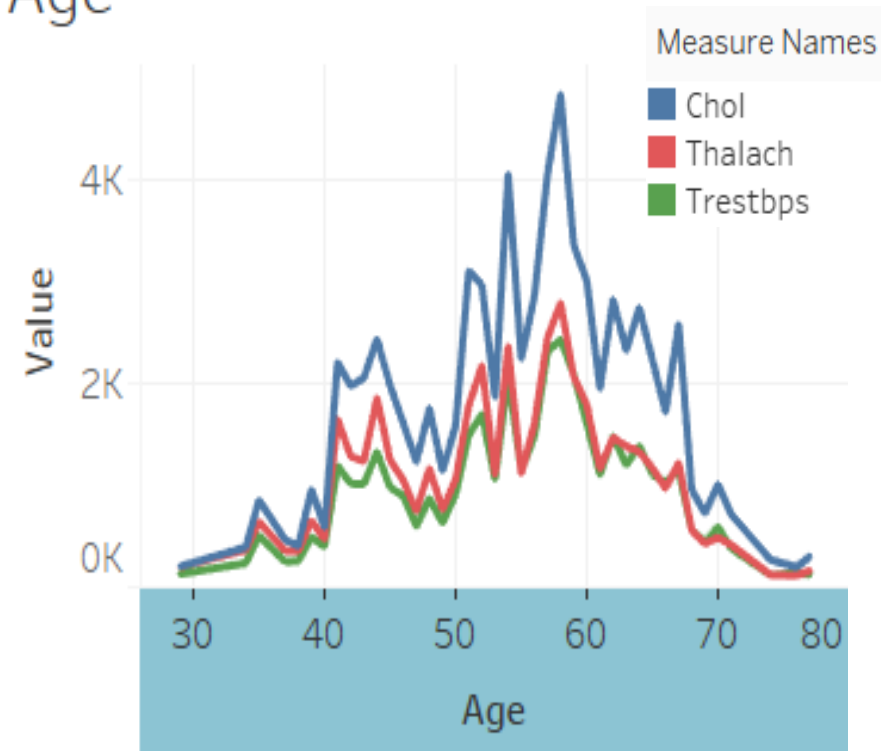
Heart Disease



# Cholesterol,BP,Heart Rate Vs Age

- In this line plot, we can see the variation of Cholesterol, Blood Pressure, Heart Rate with respect to Age.
- Cholesterol, Blood Pressure, Heart Rate at the age range 50-60 are increasing at maximum level and then decreasing.

Cholesterol,Blood Pressure,Max Heart Rate Vs Age

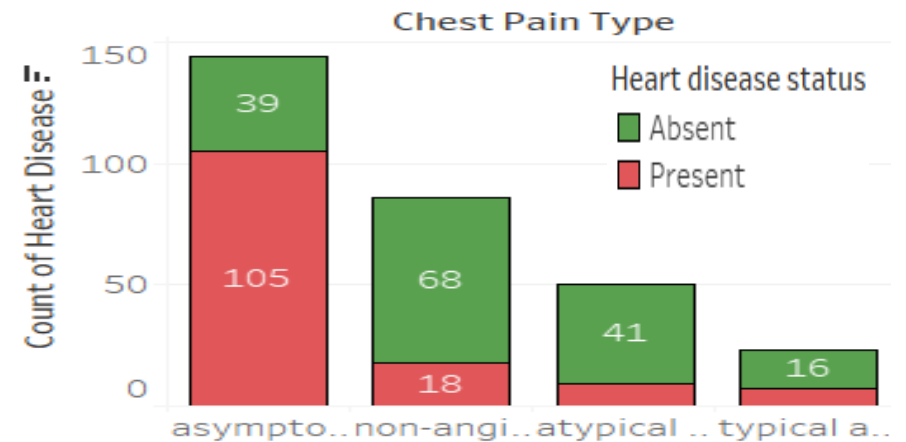


# Chest Pain Experienced Vs Heart Disease

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- In this bar graph we can see and type of chest pain experienced by population.
- We can see the presence of Heart-Disease with chest pain asymptomatic > non-anginal pain > atypical angina > typical angina.

Chest Pain Experienced Vs Heart Disease



# ST Exercise Peak Vs Heart Disease

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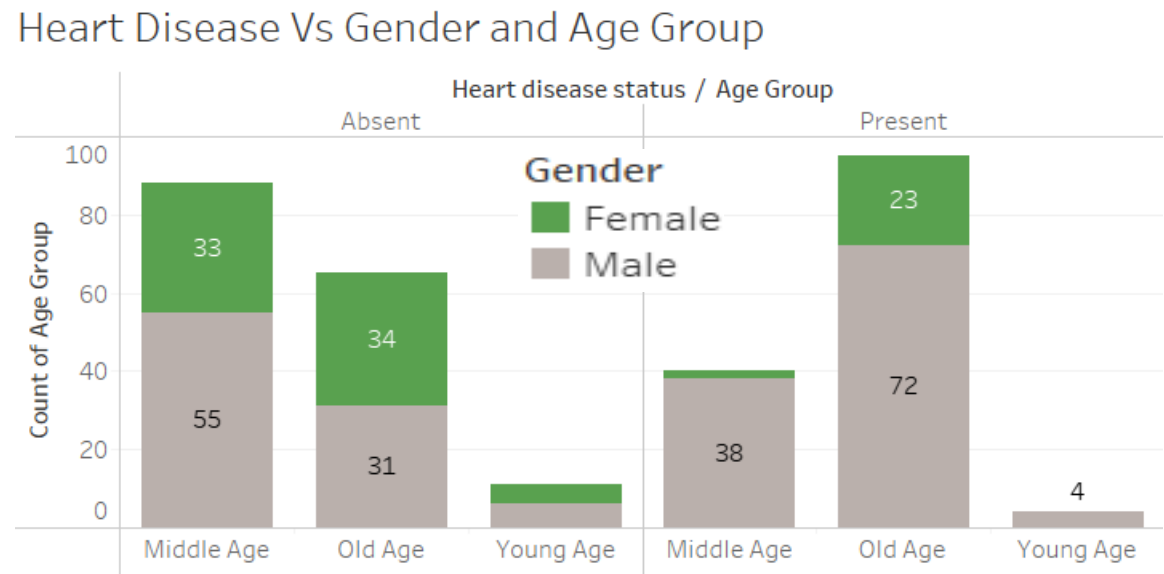
- In this square chart we try to demonstrate the relationship between Heart-Disease with St Exercise Peak and Age Group.
- We can see the presence of Heart-Disease in which 'flat' is higher in among all age group.

ST Exercise Peak Vs Heart Disease

Heart dis..	Age Group	ST exercise peak		
		downs..	flat	upslop..
Absent	Middle Age	4	24	60
	Old Age	4	24	37
	Young Age	1	1	9
Present	Middle Age	3	24	13
	Old Age	9	64	22
	Young Age		3	1

# Gender & Age Group Vs Heart Disease

- In this bar graph there is a relationship between Age Group Heart-Disease, Gender and Age Group.

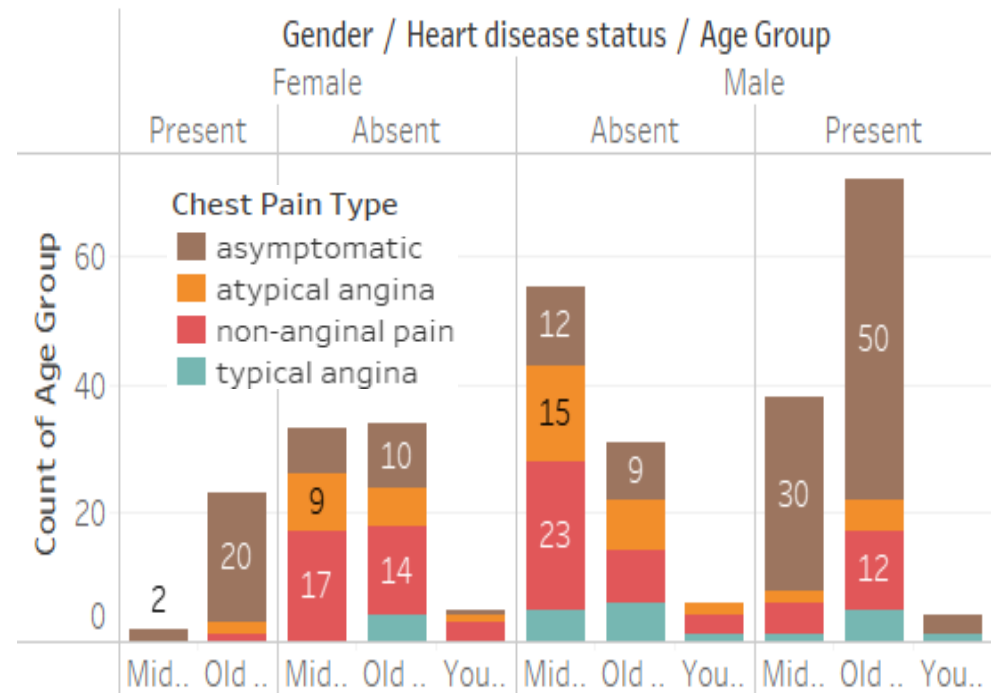


- We can see the presence of Heart-Disease is found maximum in male in comparison to female.

# Gender, Age Group, Chest Pain Vs Heart Disease

- In this bar graph we can visualize in detailed relationship between different attributes.
- We can see the presence of Heart-Disease with chest pain is higher in each age group of males with comparison to female.

Chest Pain Experienced , Gender and Age Group Vs Heart Disease



# Cholesterol,BP,Heart Rate Vs Heart Disease

- In this line plot, we can see the variation of Cholesterol, Blood Pressure, Heart Rate with respect to Heart- Disease.
- The relationship between the attributes shows the weak correlation with target variable.

Cholesterol,Blood Pressure,Max Heart Rate Vs Heart Disease

