

DATA VISUALIZATION

Data visualization is the process of creating graphical representations of data to help people understand and explore the information. The goal of data visualization is to make complex data sets more accessible, intuitive, and easier to interpret. By using visual elements such as charts, graphs, and maps, data visualizations can help people quickly identify patterns, trends, and outliers in the data.

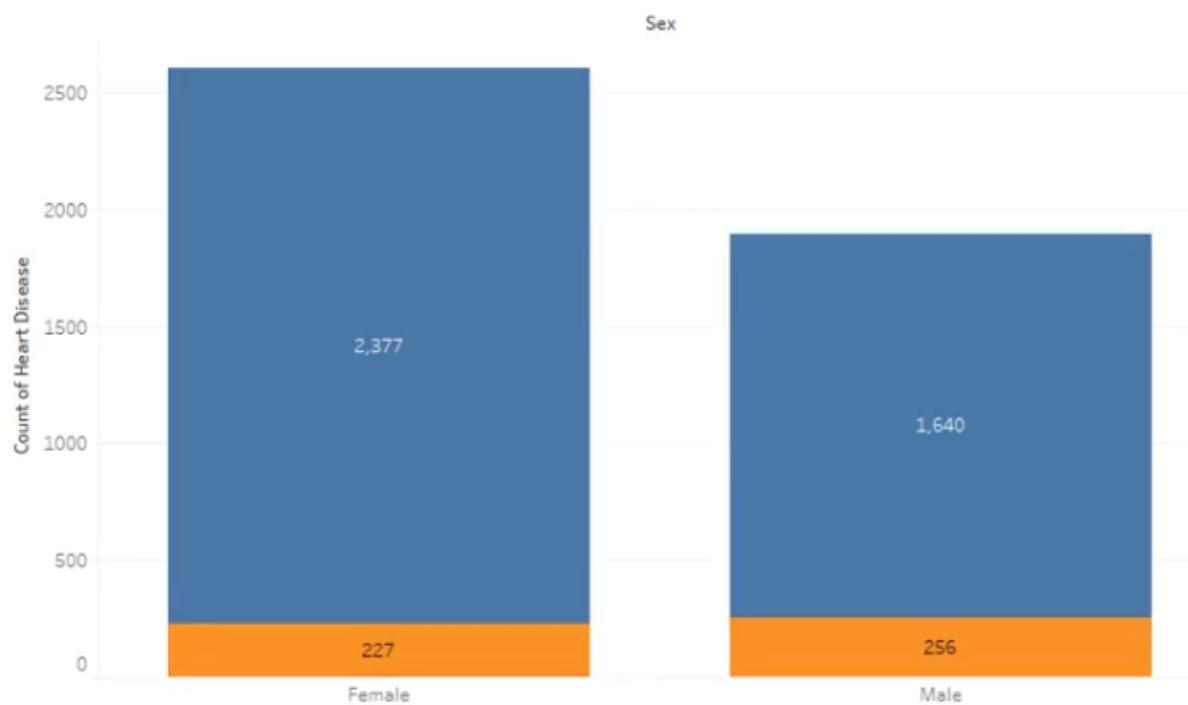
ACTIVITY 1 : NO OF UNIQUE VISUALIZATIONS

This project focuses on analyzing heart disease data using Tableau by creating **8–10 unique visualizations** including trend charts, heat maps, comparative bar graphs, scatter plots, and dashboards. The aim is to uncover risk factors like obesity, smoking, and lifestyle habits, enabling healthcare professionals, policymakers, and patients to gain actionable insights and make informed, preventive decisions against cardiovascular diseases.

1. Gender Vs Heart Disease

[Demo Link](#)

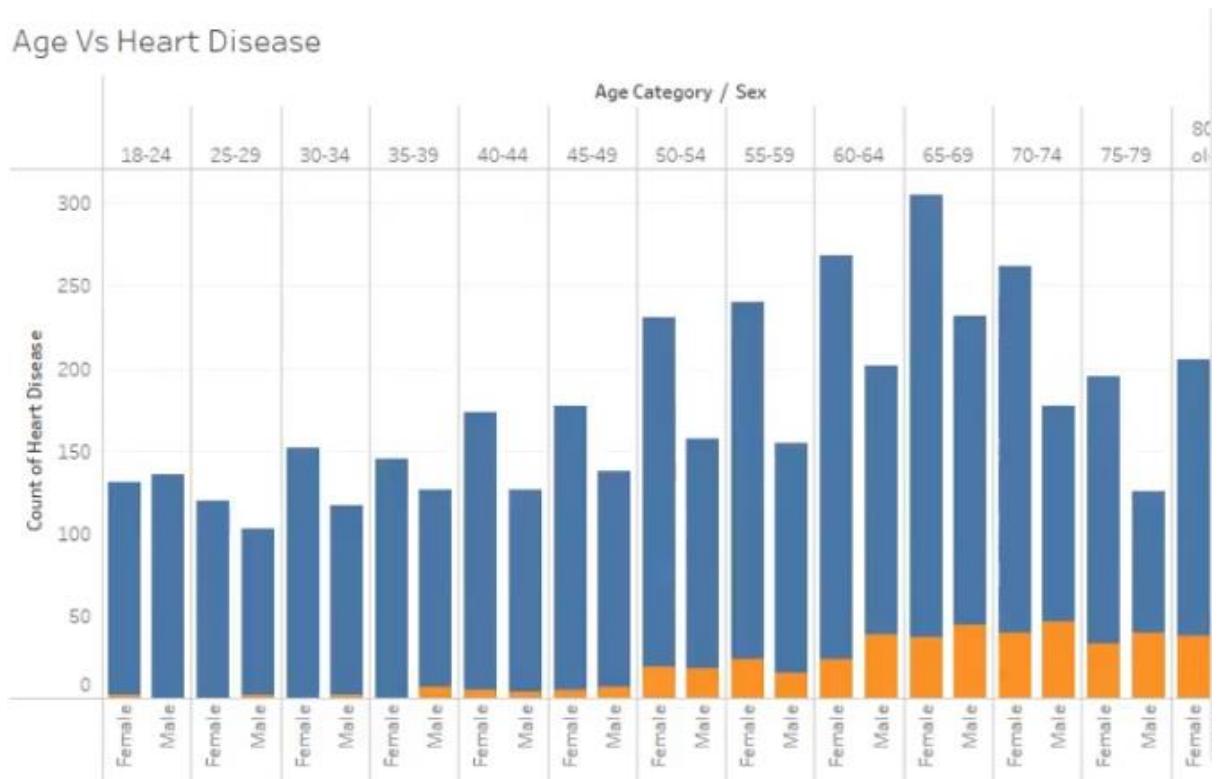
Gender vs Heart disease



2. Age vs Heart Disease

[Demo Link](#)

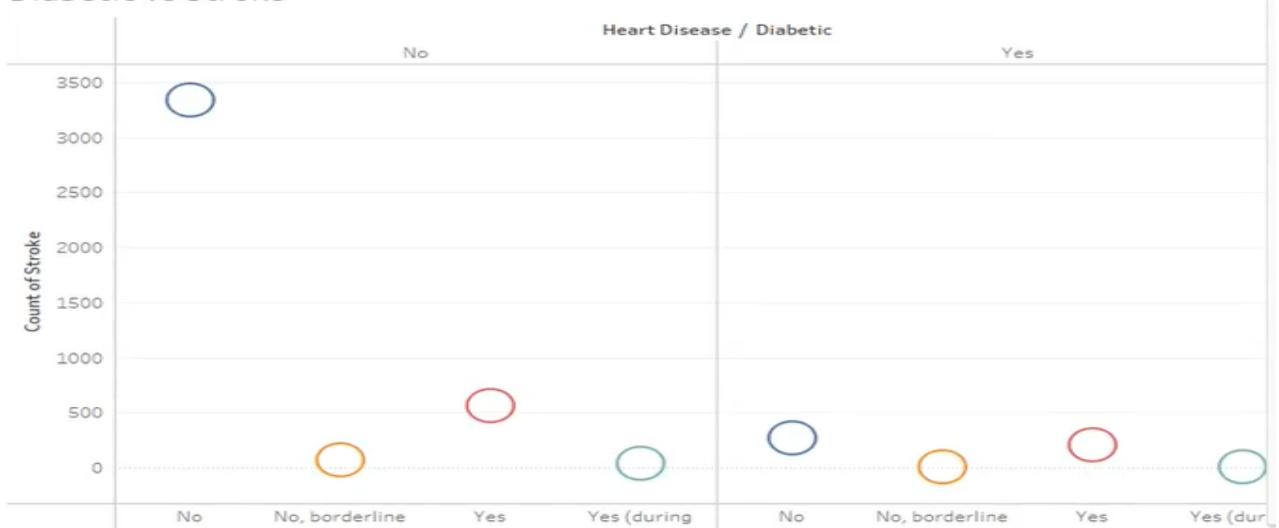
Age Vs Heart Disease



3. Diabetic vs Stroke

[Demo Link](#)

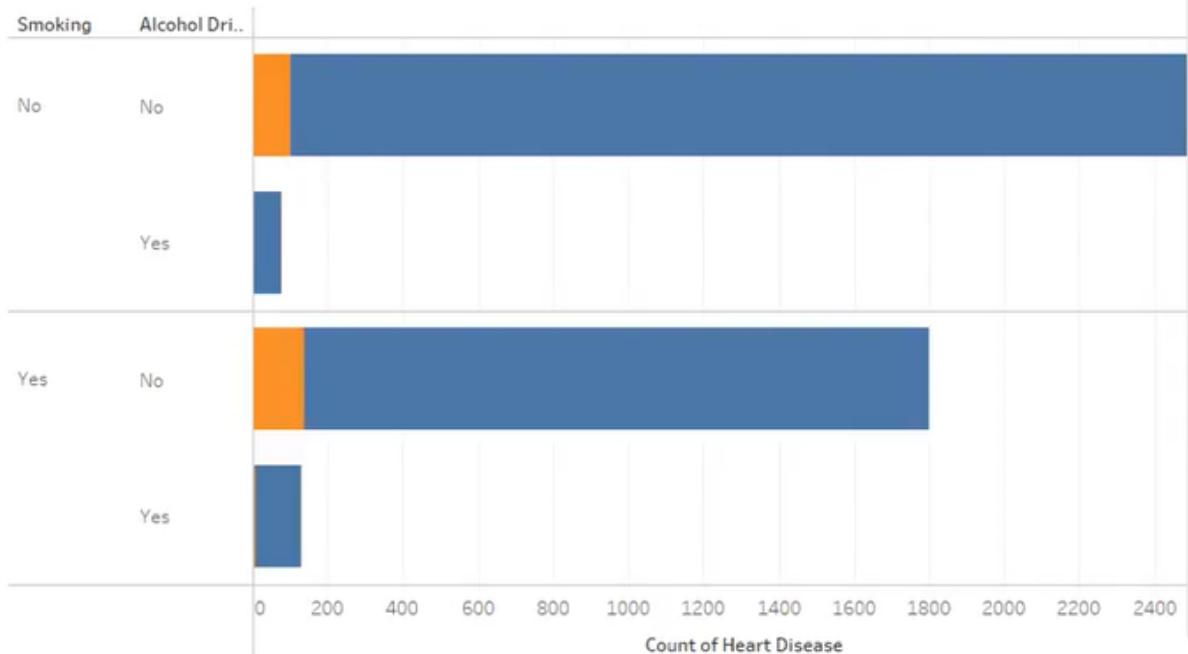
Diabetic vs Stroke



4. Impact of Smoking and Alcohol on Heart Disease

[Demo Link](#)

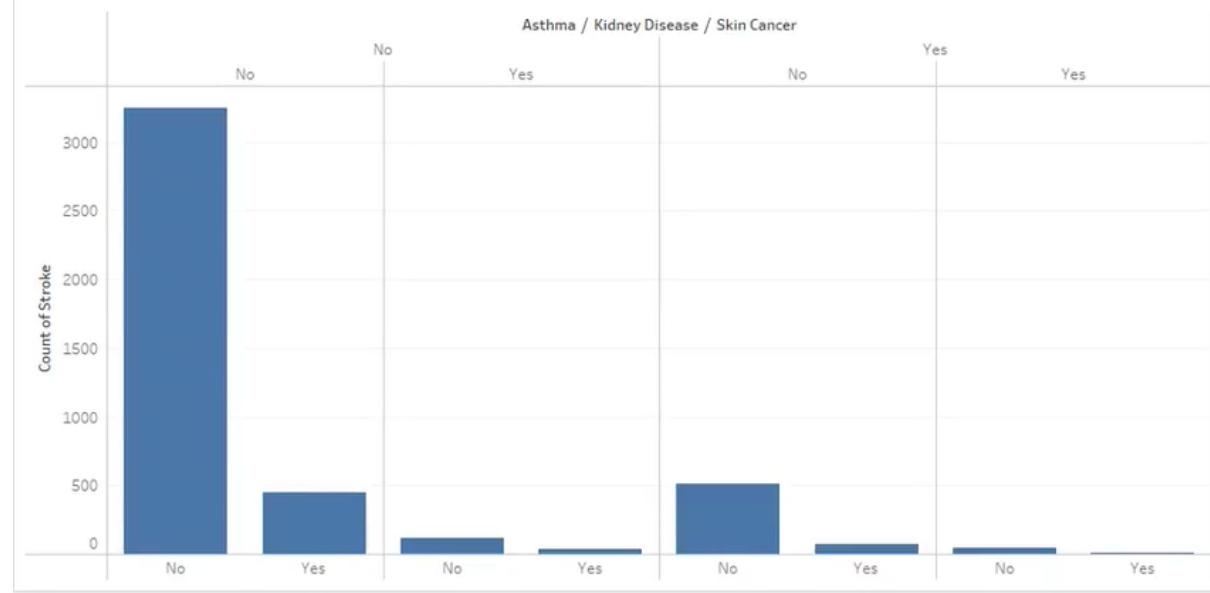
Impact of Smoking and Alcohol on Heart Disease



5. Other Heart Disease vs Stroke

[Demo Link](#)

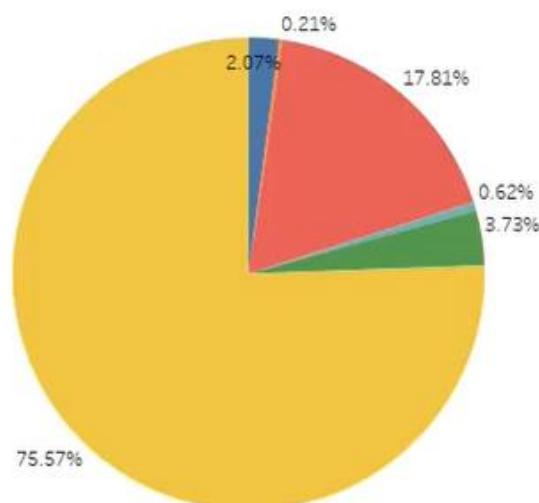
Stroke vs Other Disease



6. Race wise Heart Disease

[Demo Link](#)

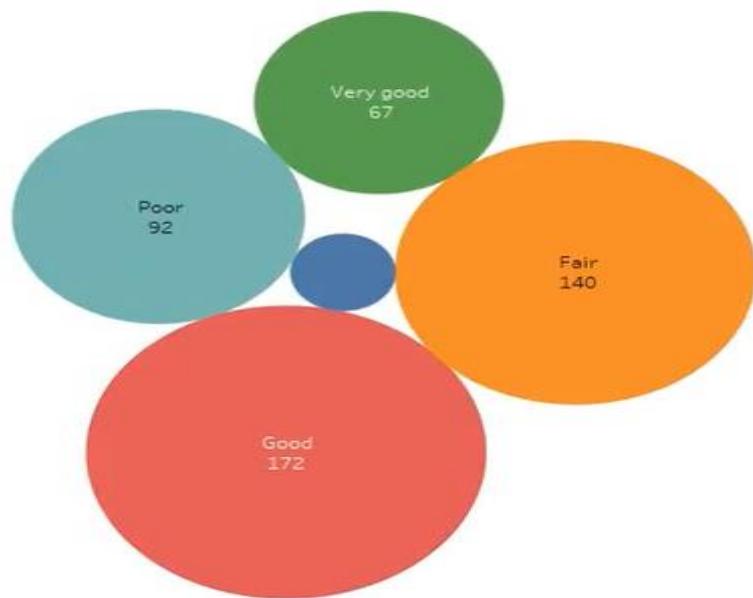
Race wise Heart Disease



7. General Health vs Heart Disease

[Demo Link](#)

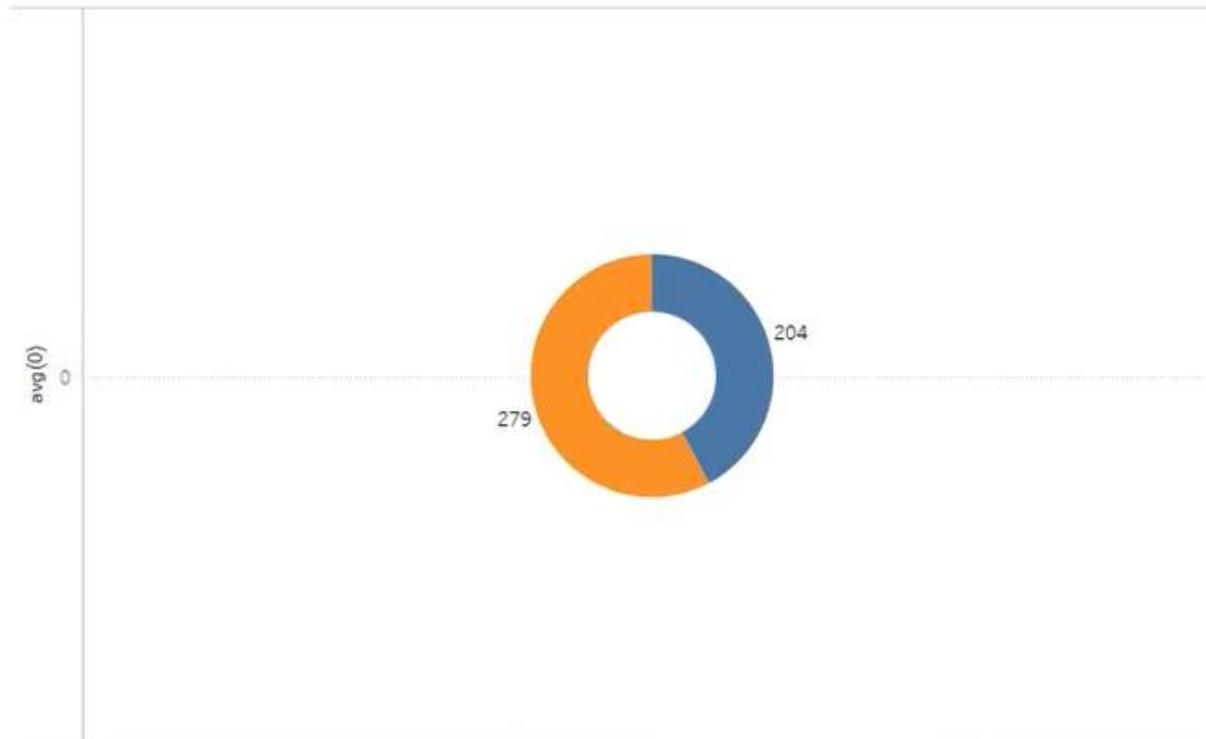
General Health vs Heart Disease



8. Physical Activity vs Heart Disease

[Demo Link](#)

Physical Activity Vs Heart Disease



9. Age vs BMI vs Diabetic

[Demo Link](#)

Age vs BMI vs Diabetic

| | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 18-24 Yes | 35-39 Yes | 40-44 Yes | 60-64 Yes | 55-59 Yes |
| 18-24 Yes (during pregnancy) | 35-39 Yes (during pregnancy) | 40-44 Yes (during pregnancy) | 60-64 Yes (during pregnancy) | 55-59 Yes (during pregnancy) |
| 50-54 Yes | 45-49 Yes | 70-74 Yes | 70-74 Yes (during pregnancy) | 75-79 Yes |
| 50-54 Yes (during pregnancy) | 45-49 Yes (during pregnancy) | 65-69 Yes | | 80 or older Yes |
| 30-34 Yes | 25-29 Yes | | | |
| 30-34 Yes (during pregnancy) | 25-29 Yes (during pregnancy) | | | |

10. People got stroke suffering from Heart Disease and Diabetic

[Demo Link](#)

People Got Stroke Suffering from Diabetes and Heart Disease

