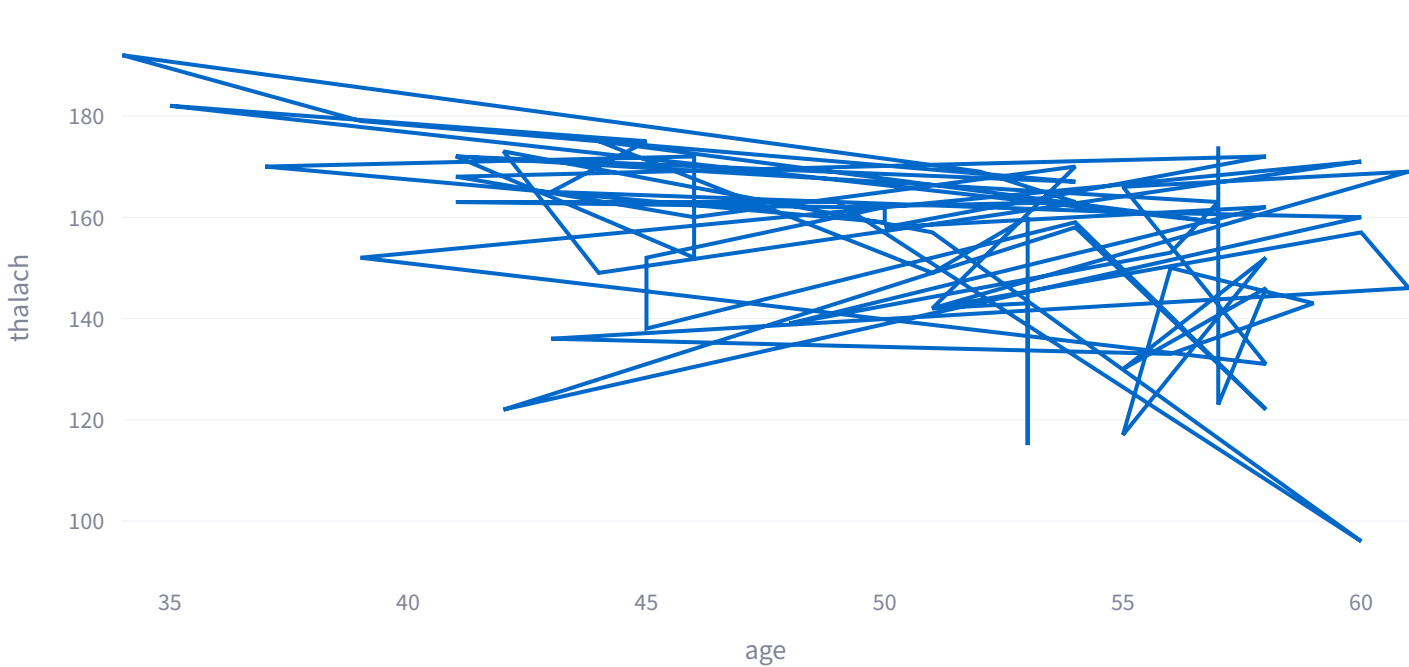


# Heart Disease Dashboard

## Heart Rate Over Age

Heart Rate Over Age



## Cholesterol Levels Over Age (Area Chart)

Cholesterol Levels Over Age

### Filter Options

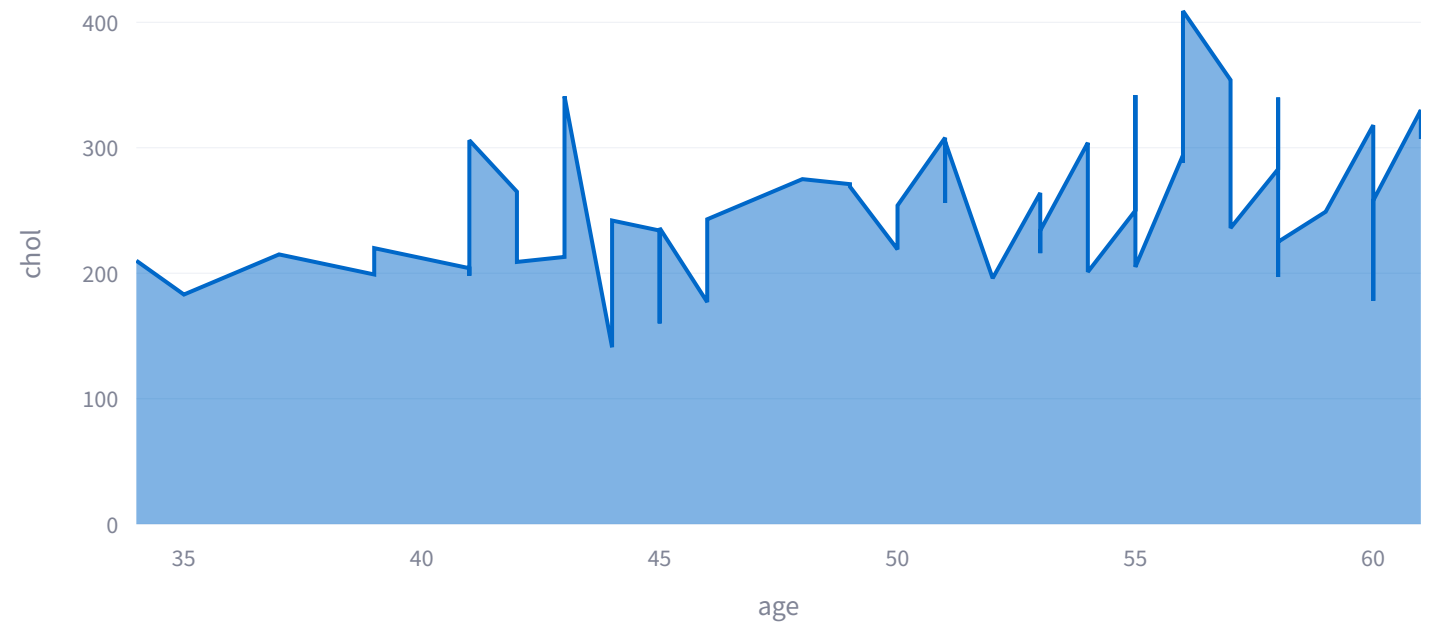
Age Range



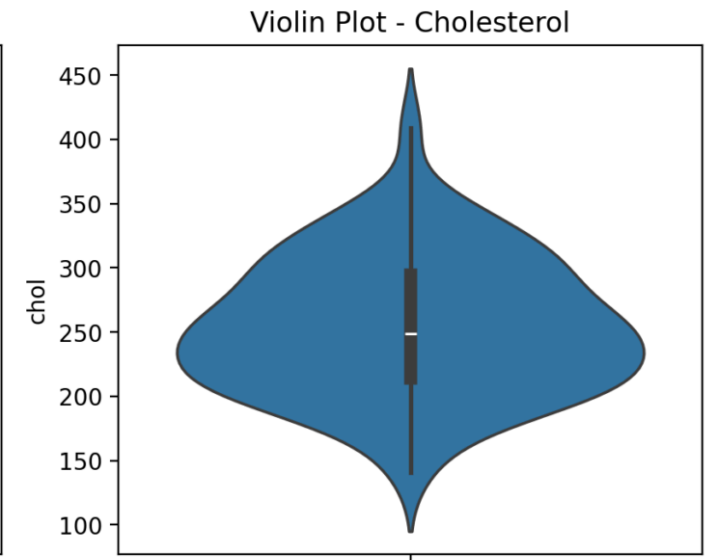
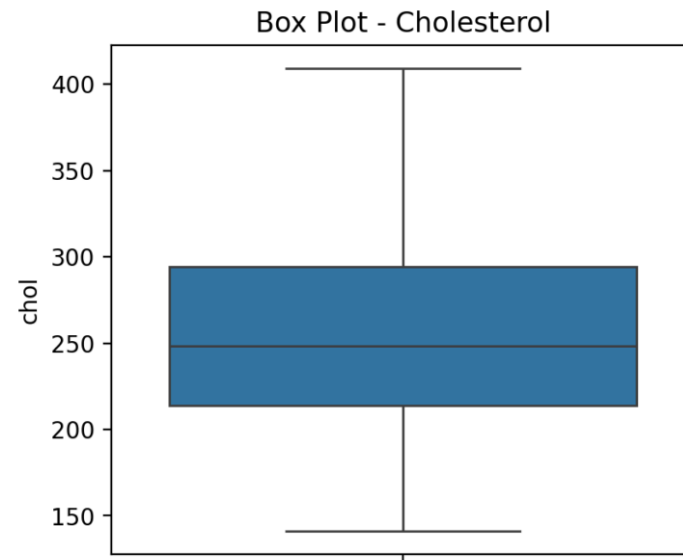
Sex

Female

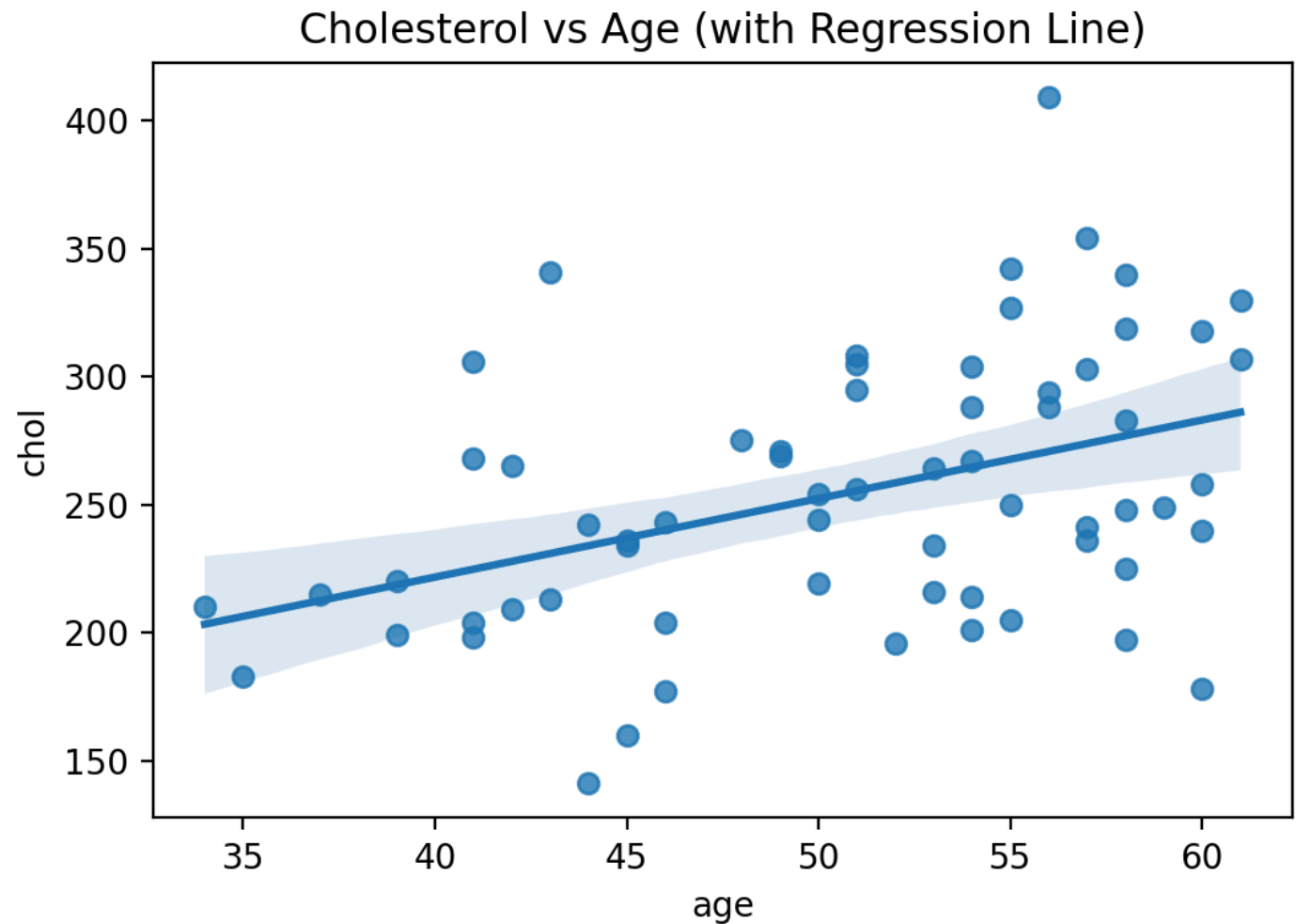




## Box and Violin Plots for Cholesterol Levels



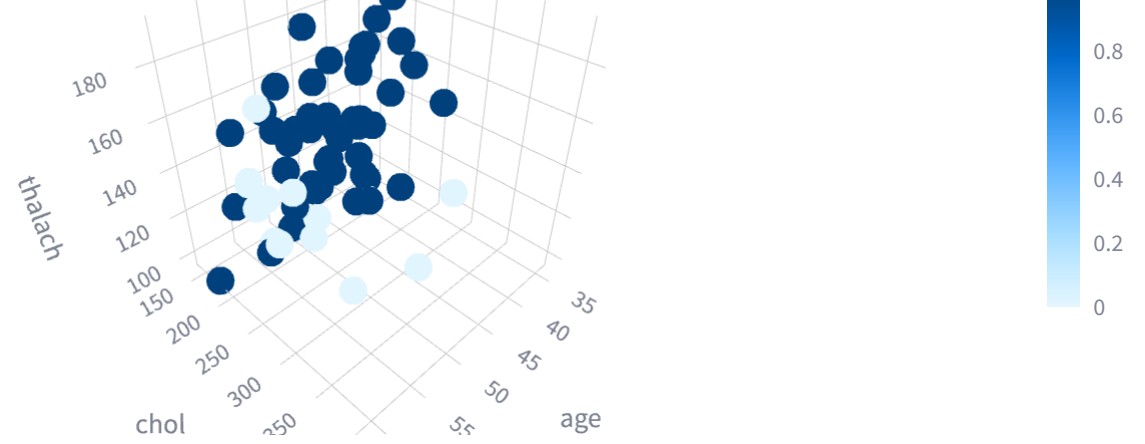
## Regression Plot - Cholesterol vs Age



## 3D Plot of Age, Cholesterol, and Heart Rate

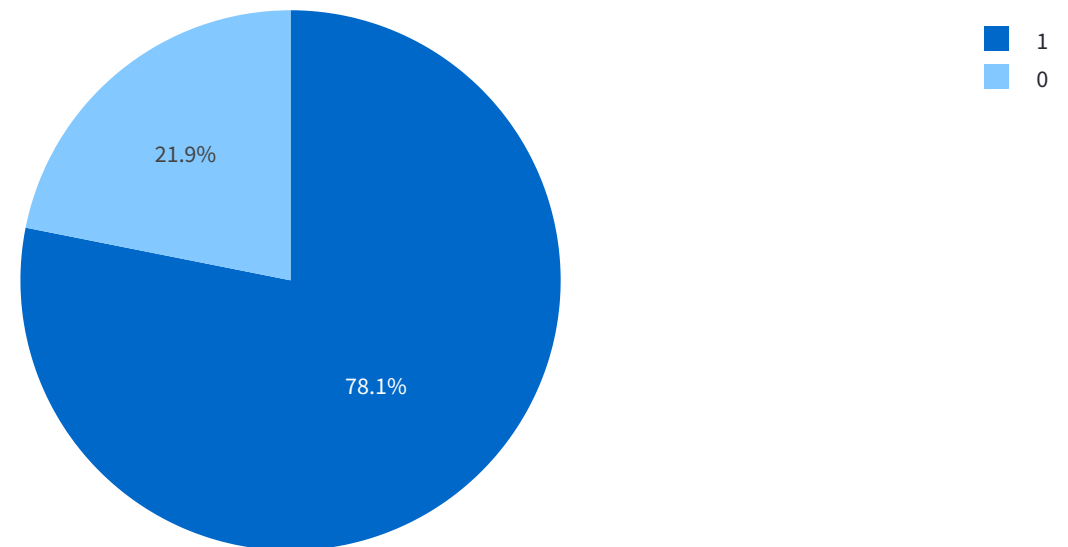
3D Plot of Age, Cholesterol, and Heart Rate





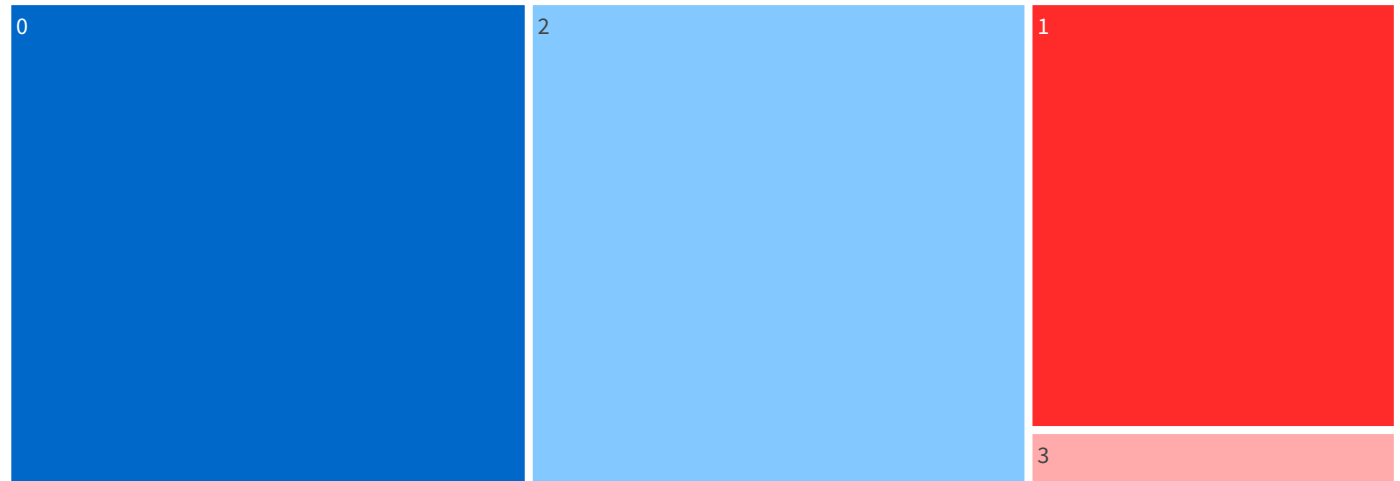
## Pie Chart - Heart Disease Distribution

Heart Disease Presence (0 = No, 1 = Yes)



# Treemap of Chest Pain Types

Treemap of Chest Pain Types



## Key Observations:

- The line and area charts reveal the variation in heart rate and cholesterol levels across different age groups.
- The box and violin plots show the distribution and spread of cholesterol levels.
- The regression plot indicates a potential relationship between age and cholesterol levels.
- The 3D scatter plot visualizes the interplay between age, cholesterol, and heart rate, with colors showing heart disease presence.

- The pie chart illustrates the distribution of individuals with and without heart disease.