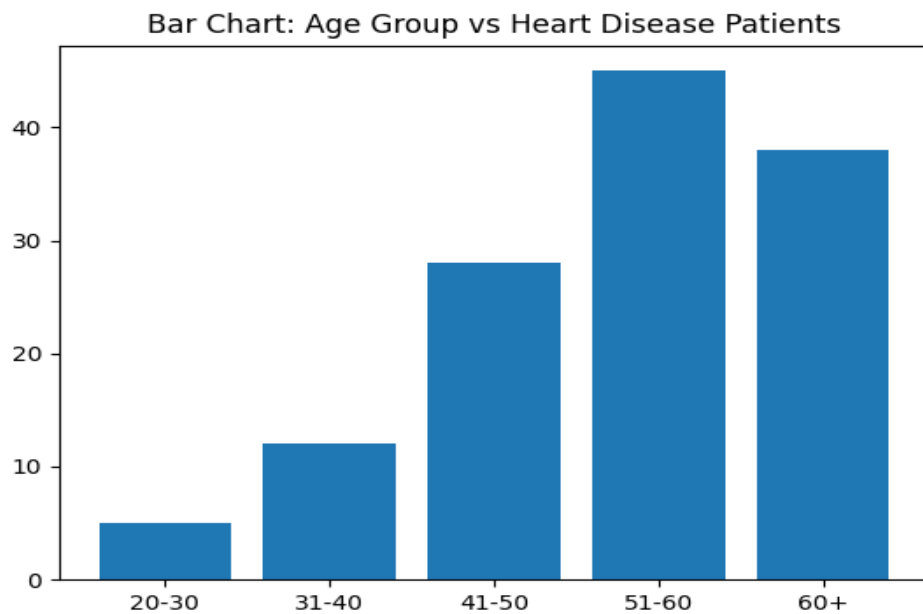


Heart Disease Analysis – Business Questions with Visualizations (Tableau)

1. Which age group has the highest number of heart disease cases?

Visualization: Bar Chart: Age Group vs Heart Disease Patients

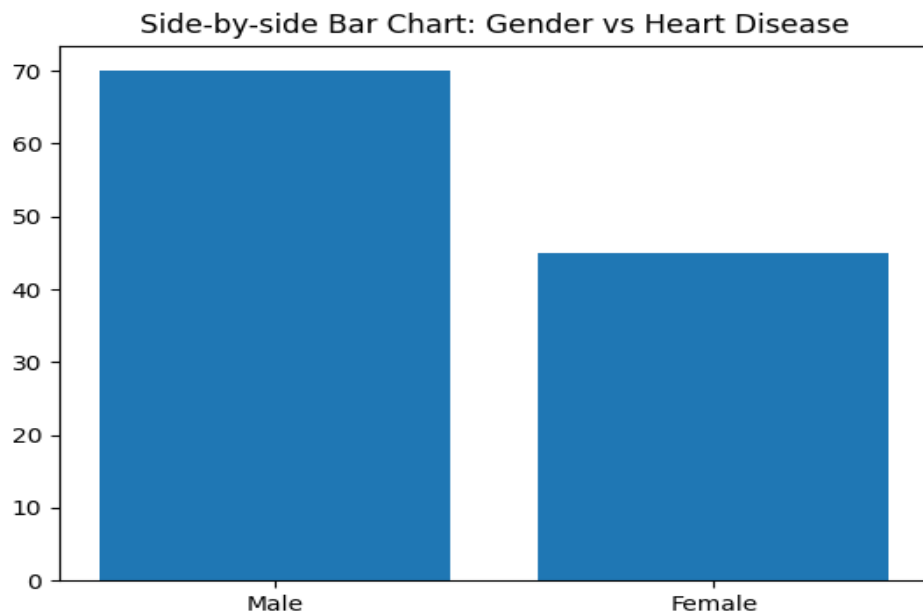


Business Insight:

Helps hospitals decide when preventive screening should start.

2. Is heart disease more prevalent in males or females?

Visualization: Side-by-side Bar Chart: Gender vs Heart Disease

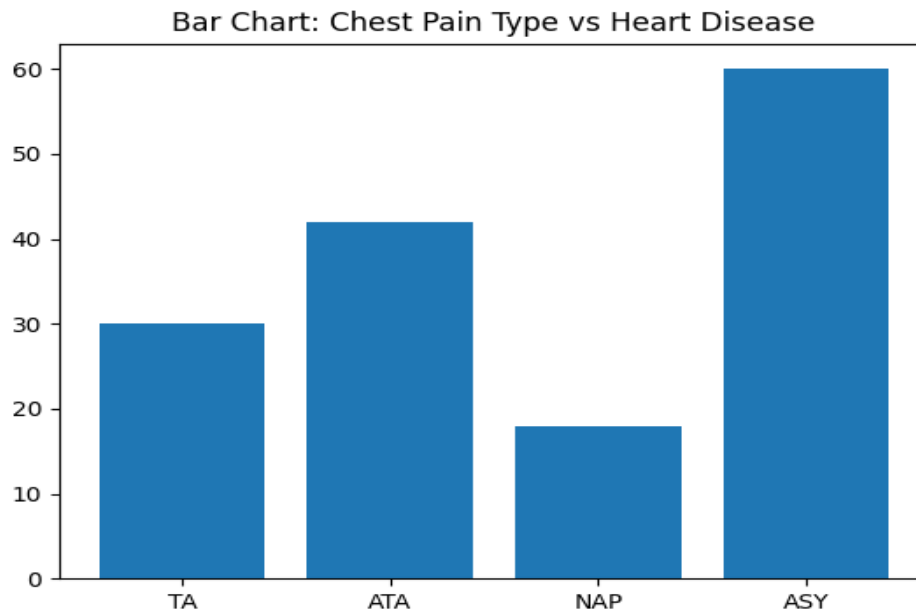


Business Insight:

Supports gender-specific awareness and treatment programs.

3. How does chest pain type influence heart disease diagnosis?

Visualization: Bar Chart: Chest Pain Type vs Heart Disease

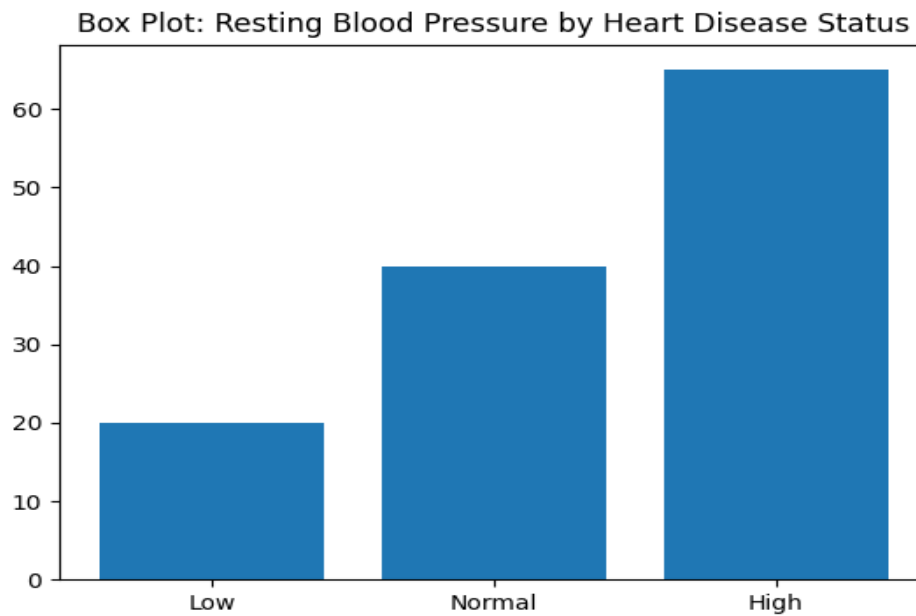


Business Insight:

Helps doctors prioritize high-risk symptoms.

4. Do patients with high blood pressure have greater heart disease risk?

Visualization: Box Plot: Resting Blood Pressure by Heart Disease Status

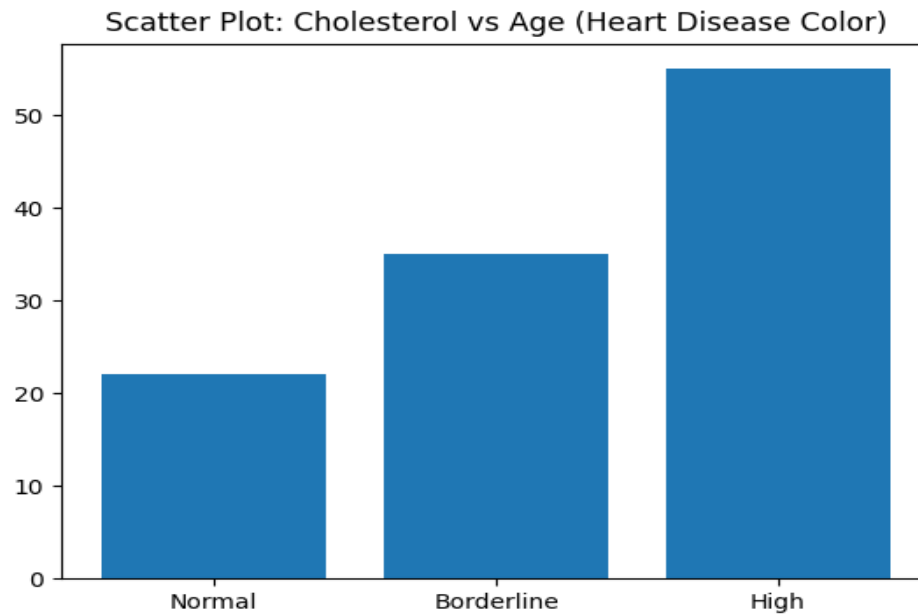


Business Insight:

Identifies critical BP ranges requiring intervention.

5. Does cholesterol level affect heart disease occurrence?

Visualization: Scatter Plot: Cholesterol vs Age (Heart Disease Color)

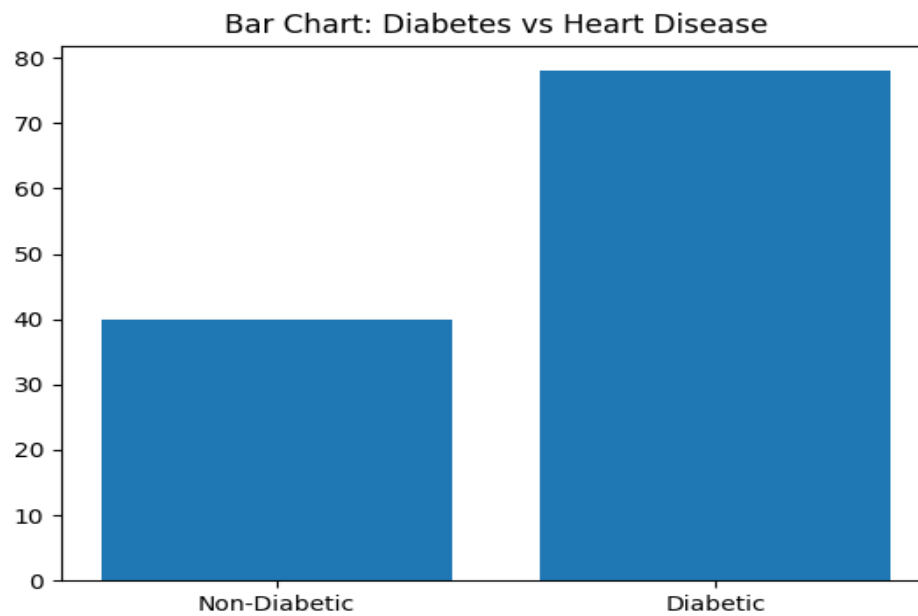


Business Insight:

Supports cholesterol control policies.

6. Are diabetic patients more prone to heart disease?

Visualization: Bar Chart: Diabetes vs Heart Disease

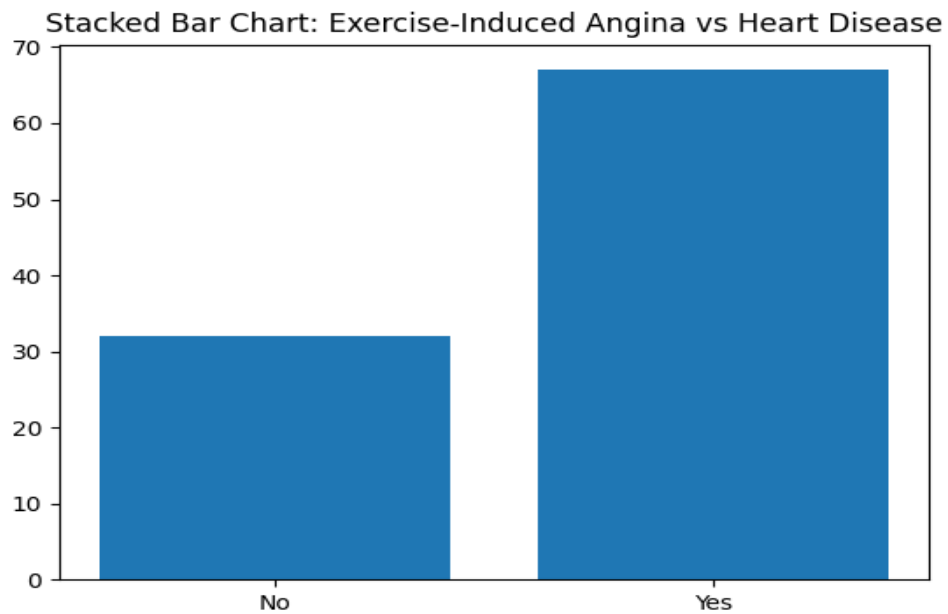


Business Insight:

Highlights high-risk comorbidity groups.

7. Does exercise-induced angina indicate higher heart disease risk?

Visualization: Stacked Bar Chart: Exercise-Induced Angina vs Heart Disease

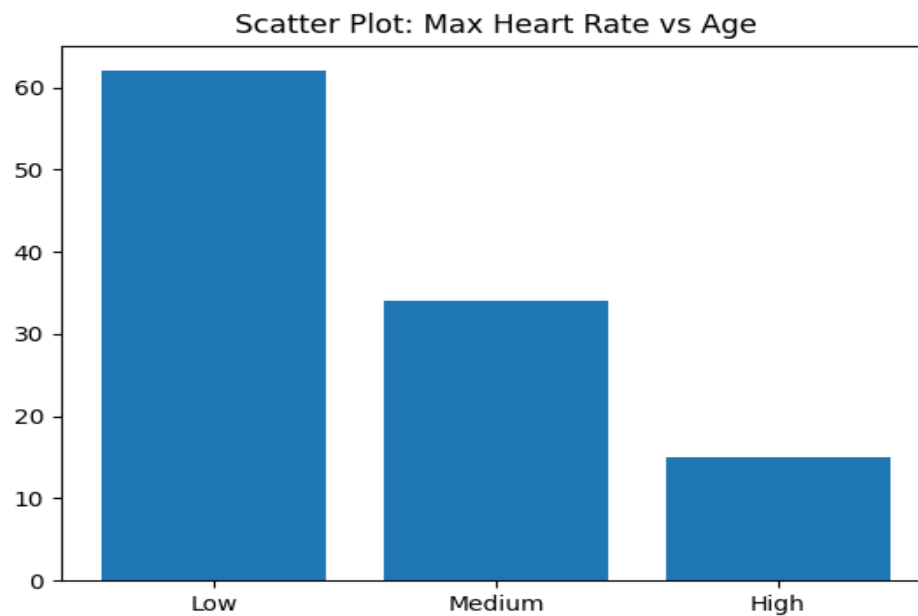


Business Insight:

Encourages lifestyle and fitness-based prevention.

8. Can maximum heart rate achieved predict heart disease?

Visualization: Scatter Plot: Max Heart Rate vs Age

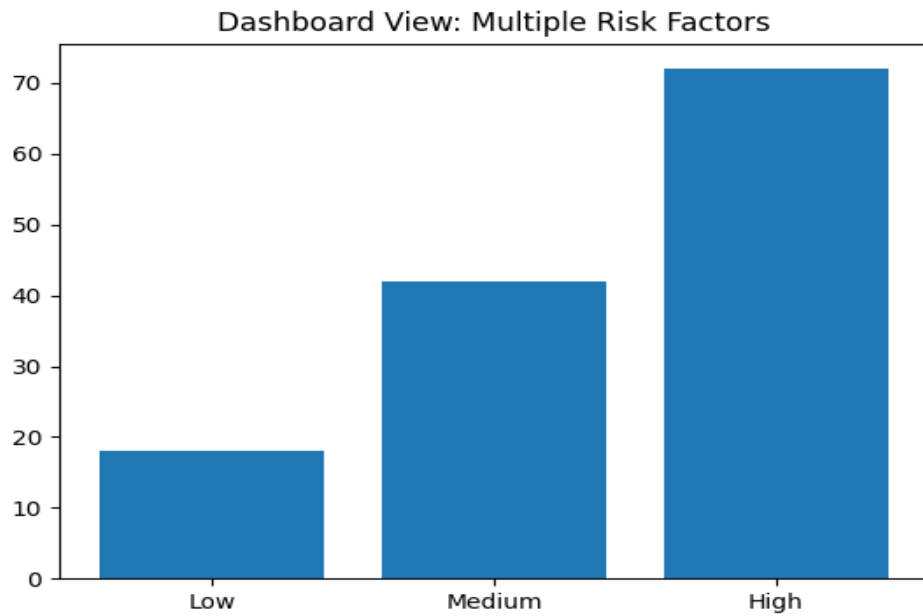


Business Insight:

Improves early diagnosis through stress testing.

9. Which combination of factors leads to the highest risk?

Visualization: Dashboard View: Multiple Risk Factors

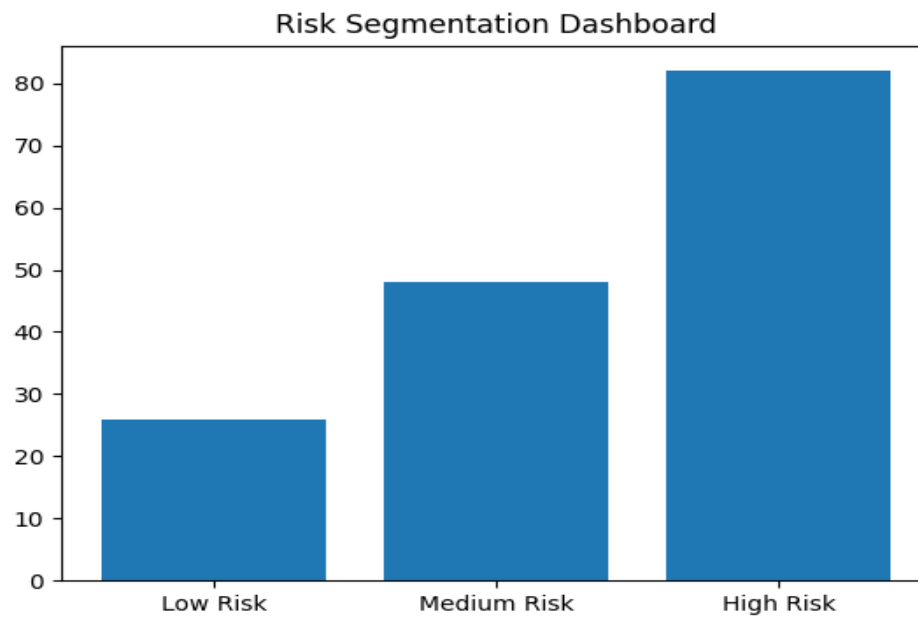


Business Insight:

Helps hospitals identify high-risk patient profiles.

10. Which patients should be prioritized for follow-up care?

Visualization: Risk Segmentation Dashboard



Business Insight:

Optimizes treatment cost and patient outcomes.