

1. Visualize Distribution of Numerical Features

- Plot histograms or KDE plots for: age, bmi, charges.
- Use boxplots to check for outliers in these variables.

2. Visualize Categorical Feature Frequencies

- Use bar plots to show counts for: sex, smoker, region, children.

3. Compare Charges Across Categories

- Use boxplots or violin plots to compare charges across:
 - smoker status (smokers vs. non-smokers)
 - region
 - sex
 - children count

4. Explore Relationships Between Numerical Features

- Use scatter plots to explore relationships:
 - bmi vs. charges
 - age vs. charges
- Color points by smoker or sex to add more insight.

5. Correlation Heatmap

- Plot a heatmap to show correlation between numerical features:
 - age, bmi, children, charges

6. Pairwise Relationships

- Use pair plots (scatter plots with histograms on the diagonal) for all numerical columns, colored by smoker or sex.