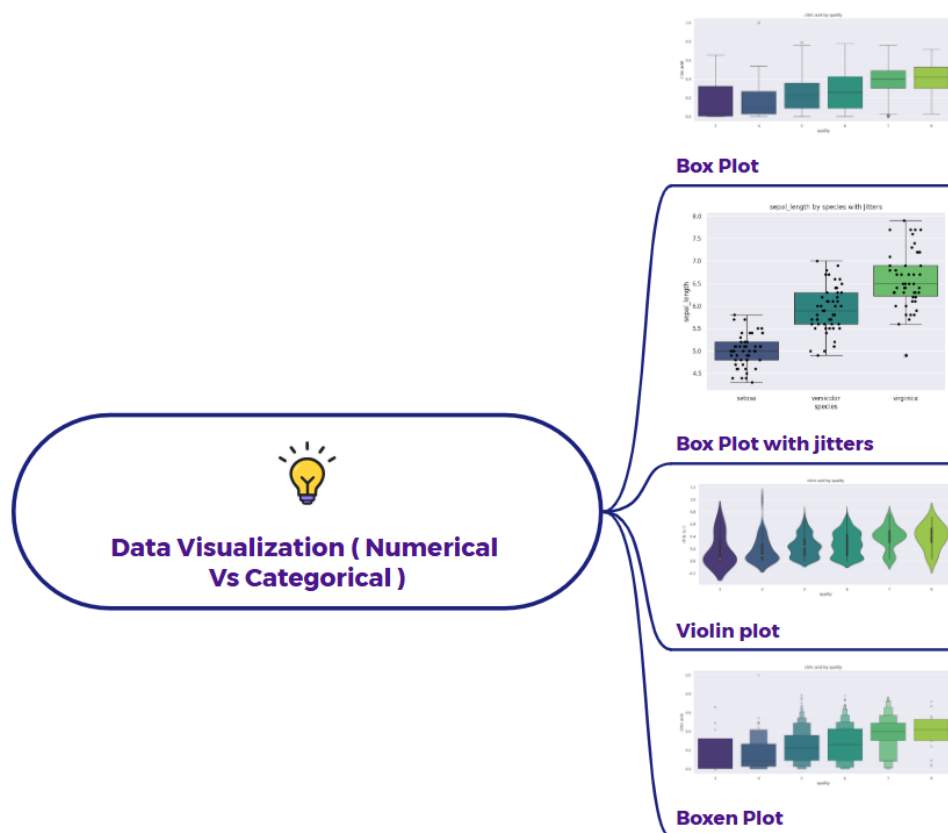# Different Data visualization options for Numerical Vs Categorical Feature

Each graph visualizing the relationship between a numerical and a categorical variable:

- **Box Plot:** Shows the distribution (median, quartiles, range, outliers) of a numerical variable for different categories.
- **Box Plot with Jitters:** A box plot where individual data points are overlaid with a small random displacement to show their density within each category.
- **Violin Plot:** Displays the distribution of a numerical variable across different categories, showing the probability density.
- **Boxen Plot:** Displays multiple quantiles of a numerical variable across categories, providing a more detailed view of the distribution's shape than a standard box plot.