



Module End Activities

1. Pair Plot for Feature Comparison: Generate a pair plot for the Iris dataset, plotting pairwise relationships and differentiating data points by species. What insights can be gained from this visualization in terms of feature distributions and correlations?

Dataset: archive.ics.uci.edu/dataset/53/iris

2. Box Plot for Sepal Length by Species: Construct a box plot to compare the distribution of sepal length across the three Iris species. How would you customize the box plot to make it more informative and visually appealing?

Dataset: archive.ics.uci.edu/dataset/53/iris

3. Visualizing Titanic Survival: Create bar plots to compare survival rates across gender, passenger class, and age groups.

Dataset: kaggle.com/competitions/titanic/data

4. Box Plot for Employee Salary Distribution: Develop a box plot using Matplotlib to visualize the distribution of salaries across different departments. How would you customize the appearance of the box plot, and what conclusions can be drawn from the visualization?

Dataset: kaggle.com/datasets/tawfikelmetwally/employee-dataset