

1. What is Seaborn and how is it different from Matplotlib?

Seaborn is a Python data visualization library built on Matplotlib that provides attractive and easy-to-use statistical plots.

2. What is a statistical plot?

A statistical plot is a graph that represents data distribution, relationships, and patterns using statistical methods.

3. Difference between distplot / histplot and boxplot

- **Distplot / Histplot:** Shows the distribution and frequency of data
- **Boxplot:** Shows median, quartiles, spread, and outliers

4. What is a heatmap and where is it used?

A heatmap is a color-coded matrix used to visualize data intensity, correlations, or patterns.

5. Why is Seaborn useful for data exploration in AI projects?

It helps quickly understand data distributions, relationships, and anomalies before building AI models.