**1.What is the importance of data visualization?**

Data visualization helps **understand complex data quickly**, find patterns, trends, and make **better decisions**.

**2.When do you use a pie chart vs a bar chart?**

* **Pie chart:** To show **proportions or percentages** of a whole.
* **Bar chart:** To **compare values** across categories.

**3. How do you make visualizations more engaging?**

* Use **clear titles and labels**.
* **Highlight key insights**.
* Avoid clutter, use **consistent colors**, and add context.

**4.What is data storytelling?**

Data storytelling is **using visuals and narrative together** to explain insights and help others understand the data.

**5. How do you avoid misleading visualizations?**

* Use **correct scales** on axes.
* Don’t distort proportions or trends.
* Always represent data **truthfully and clearly**.

**6.What are best practices in dashboard design?**

* Keep it **simple and clean**.
* Focus on **important metrics (KPIs)**.
* Use **consistent colors and layouts**.
* Make it **easy to read and understand**.

**7. What tools have you used for visualization?**

* **Python (Matplotlib, Seaborn, Plotly)**
* **Excel**
* **Tableau / Power BI** (if applicable)