

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

### **Answer:**

Data visualization helps us understand data quickly. It shows patterns, trends, and insights in a simple visual format like charts or graphs.

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

### **Answer:**

- Use a **pie chart** to show parts of a whole (like % of total sales).
- Use a **bar chart** to compare different items (like sales in different regions).

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

### **Answer:**

By using clean designs, bright colors for key points, interactive filters, and adding short labels or notes to explain the chart.

## **4. What is data storytelling?**

### **Answer:**

Data storytelling means using visuals to tell a clear story from data—showing what happened, why it happened, and what to do next.

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

### **Answer:**

- Use the right chart for the data
- Start axes at zero
- Avoid using too many colors
- Show complete data (not just part of it)

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

### **Answer:**

- Keep it simple and clean

- Show important KPIs first
- Use filters or slicers
- Group related info together
- Make it easy to understand at a glance

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

### **Answer:**

I've used tools like **Power BI**, **Tableau**, and **Excel** for creating dashboards and reports.