Interview Questions - Dashboard Design

# What are the key elements of a dashboard?

- KPIs for key metrics  
- Charts and graphs  
- Filters and slicers  
- Clean layout and design  
- Real-time data connectivity

# What is a KPI?

A KPI (Key Performance Indicator) is a measurable value that shows how effectively a company is achieving business objectives.

# What are slicers in Power BI?

Slicers are visual filter tools that allow users to interact with the dashboard by filtering data by categories like brand or date.

# Difference between Power BI and Tableau?

- Power BI: Easier for beginners, better Microsoft integration, cost-effective  
- Tableau: Advanced visuals, flexible with multiple data sources

# How do you make a dashboard interactive?

- Use slicers and filters  
- Add drill-through and tooltip pages  
- Create bookmarks and navigation buttons

# How do you deal with large datasets in dashboards?

- Aggregate data  
- Optimize data models  
- Use Power Query transformations  
- Enable incremental refresh

# What chart types do you use for trend analysis?

- Line Charts  
- Area Charts  
- Combo Charts  
- Scatter Charts (if distribution is important)