

Lesson 6: Creating Basic Visualizations & Adding Interactivity to Visuals

1. Name three types of visuals you can create in Power BI.

Bar chart, Line chart, Pie chart.

2. How do you add a slicer to a report?

Go to the Visualizations pane, select the slicer icon, and choose the field you want to slice by.

3. What is the difference between a bar chart and a column chart?

A bar chart displays data horizontally, while a column chart displays data vertically.

4. How do you change the color of a visual background?

Select the visual, go to the Format pane, expand 'Background', and choose your desired color.

5. What does 'drill-down' mean in a visual?

It allows users to explore data in more detail by navigating hierarchical levels (e.g., from Year to Month).

6. Create a bar chart showing SalesAmount by Region.

Use the bar chart visual and drag Region to Axis and SalesAmount to Values.

7. Add a slicer for Quarter to filter all visuals on the page.

Use a slicer visual, drag Quarter to the field well, and sync it across visuals.

8. Format the bar chart to show data labels.

In the Format pane, turn on 'Data labels' under the Data labels section.

9. Use a line chart to show SalesAmount trends over Quarter.

Select Line chart visual and drag Quarter to Axis and SalesAmount to Values.

10. Add a tooltip to display Product details when hovering over bars.

Drag Product into the Tooltips field of the bar chart.

11. Sync slicers across multiple report pages.

Select a slicer, go to 'View' > 'Sync slicers', and enable syncing for desired pages.

12. Create a custom visual with dynamic measure selection (e.g., Sales vs. Profit).

Create a disconnected table with measure names and use a SWITCH() DAX expression to return selected measure.

13. Implement a hierarchy for Region > Product > Quarter drill-down.

Create a hierarchy in the Fields pane and use it in the visual. Enable drill-down.

14. Use bookmarks to toggle between two visuals in the same space.

Create two visuals, use selection pane to show/hide each, and create bookmarks for each state.

15. Optimize a slow-rendering report with 10+ visuals.

Reduce number of visuals, remove unnecessary interactions, and use aggregated data if possible.