

### 1. Reference Lines:

- Reference lines are horizontal or vertical lines used as a baseline for comparison in analysis.
- Example: For analyzing annual revenue, a reference line can show the average sales.
- Can be created from the Analytics pane.
- Types of reference lines: Per table, per pane, or per cell.
- By default, the aggregation is set to Average, but it can be changed to Sum, Min, Max, Median, or Constant.

### 2. Trend Line:

- A trend line displays patterns or trends in data points.
- Example: It helps determine if sales are increasing, stable, or declining.
- Trend lines assist in understanding data trends and predicting future outcomes.
- To create, right-click on the chart and select Trend Lines.

### 3. Tableau Dashboards:

- Dashboards consolidate multiple worksheets and related data into one view.
- They allow comparison and monitoring of data simultaneously.
- Dashboards automatically update with the latest data from the data source.
- Dashboard sections: **Dashboard** and **Layout**.
  - **Device Preview:** Supports multiple device sizes (Default, Desktop, Tablet, Phone).
  - **Size:** Set width and height according to client needs.
  - **Sheets:** Lists all created worksheets in the workbook.
  - **Objects:** Used to add elements like text, images, navigation, etc.

### 4. Containers:

- **Tiled:** Automatically places containers based on mouse movements. Recommended for dashboard creation.
- **Floating:** Allows manual placement and size adjustments of containers.

### 5. Objects in Dashboards:

- **Horizontal/Vertical:** Divide the dashboard into columns or rows.
- **Text:** Add titles or information.
- **Image:** Insert logos or images.
- **Blank:** Add space between objects or underline text.

- **Navigation:** Links to other dashboard screens.
- **Webpage:** Embeds a valid website within the dashboard.
- **Download:** Provides options to download the dashboard in PDF, PPT, Image, or Crosstab format.

#### 6. **Layout Section:**

- **Position and Size:** Used for floating objects (x, y for position; w, h for width and height).
- **Border:** Adds borders to charts and objects.
- **Background:** Adds background color to titles or containers.
- **Padding:** Adjusts space between containers (Outer Padding for distance between containers and Inner Padding for space within containers).
- **Item Hierarchy:** Displays the structure of how objects are nested within each other.