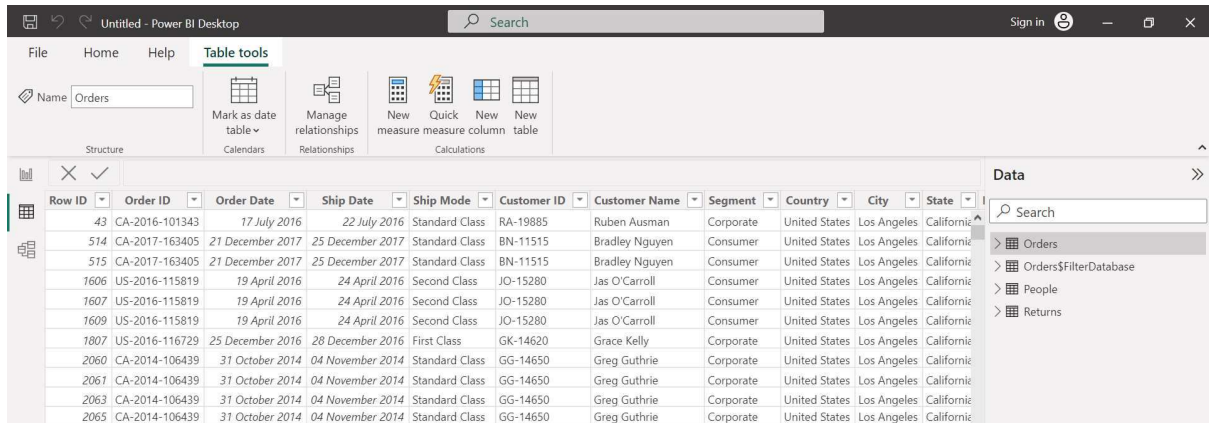# Interactive Sales Dashboard using Power BI

1. Filtering

Step 1: Load Excel Data

- Import your dataset into Power BI (choose **Get Data** > **Excel** > select your dataset).
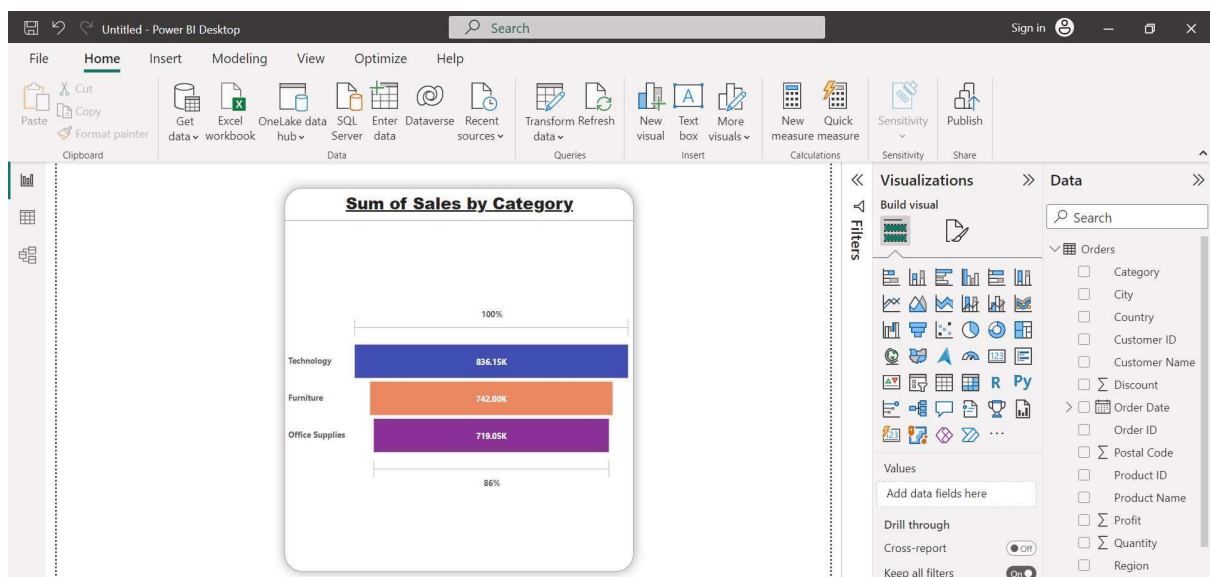

Step 2: Create a Funnel Chart

- **Example:**
    - Select **Funnel Chart** from the visualization pane.
    - In the **Axis** field, drag **Category** (e.g., Furniture, Office Supplies, Technology).
    - In the **Values** field, drag **Sales** (this will show the sales distribution by product category).

Step 3: Add Filters

- **Basic Filtering Example:**
  - Drag **State** to the **Filters** pane.
  - Under **Basic Filtering**, choose specific states like **California** or **Florida** to filter the data and visualize sales for only these states.
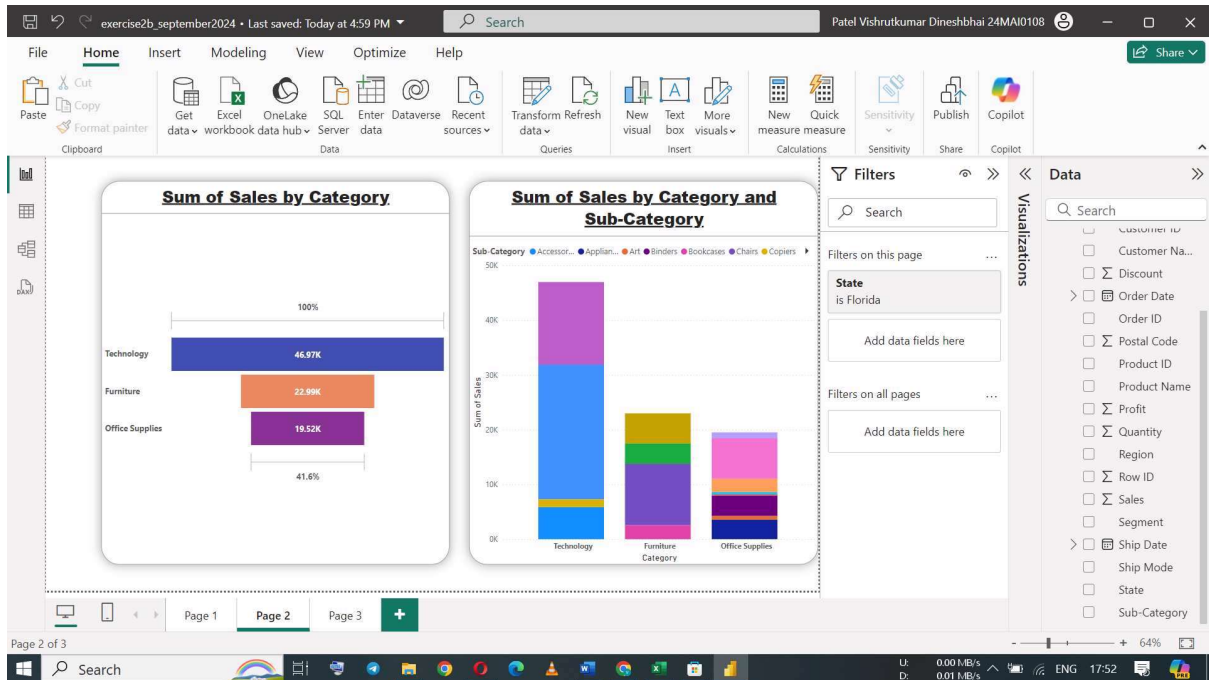
- **Advanced Filtering Example:**
  - For **State**, set a filter condition like "State equals California" or "State contains 'New'".

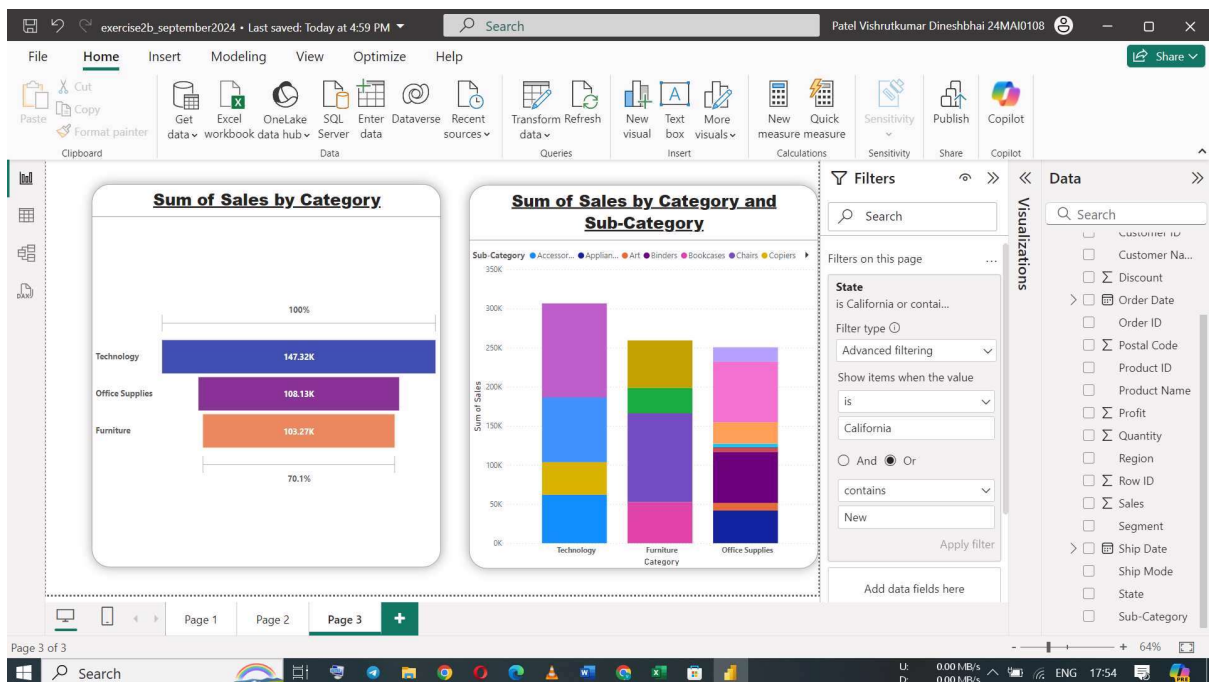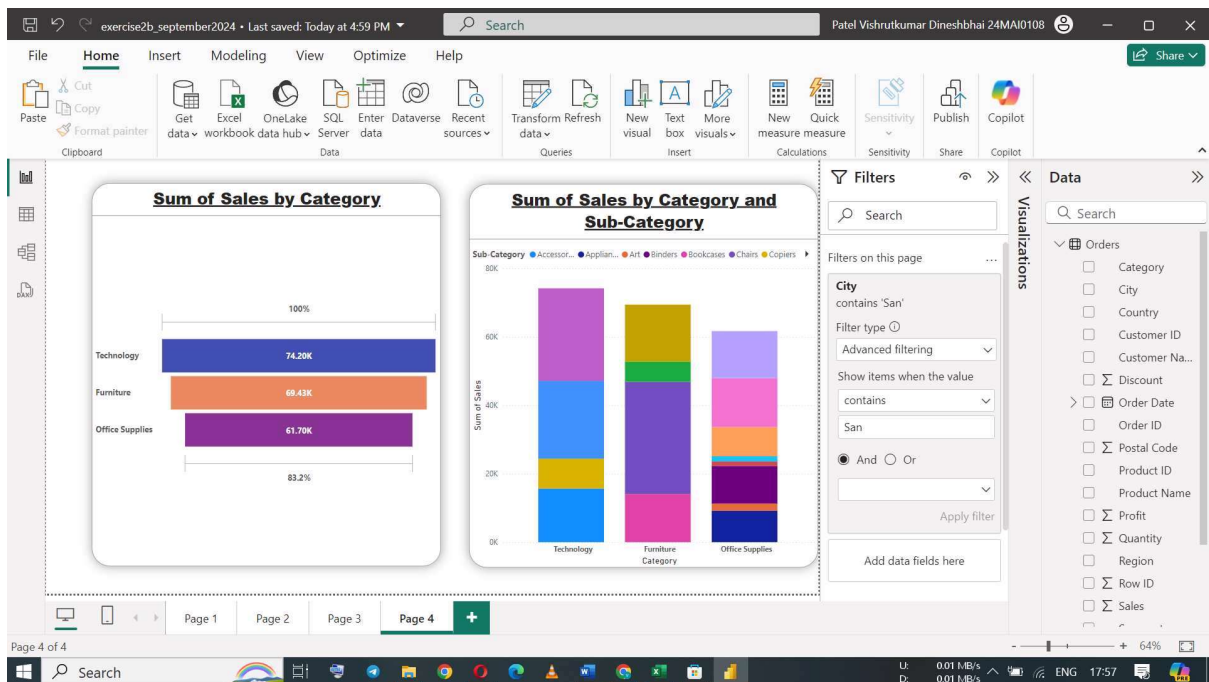> o   Now, drag **City** to the **Filters** pane and use **Advanced Filtering** to set a condition like "City contains 'Los' " to filter cities like Los Angeles.


Step 4: Display Graphs

- The filtered funnel chart will update based on your selected states and cities.

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2. Slicing

Step 1: Create Slicers

- Go to a new page in Power BI.
- **Add a Slicer for State:**
    - o   Select **Slicer** from the visualization pane.
    - o   Drag **State** to the **Field** section.
- **Add a Slicer for Order Date:**
    - o   Add another slicer, and drag **Order Date** to the **Field** section. You can set the slicer to show a range or individual dates.
- **Add a Slicer for Postal Code:**
    - o   Add a slicer for **Postal Code** similarly.
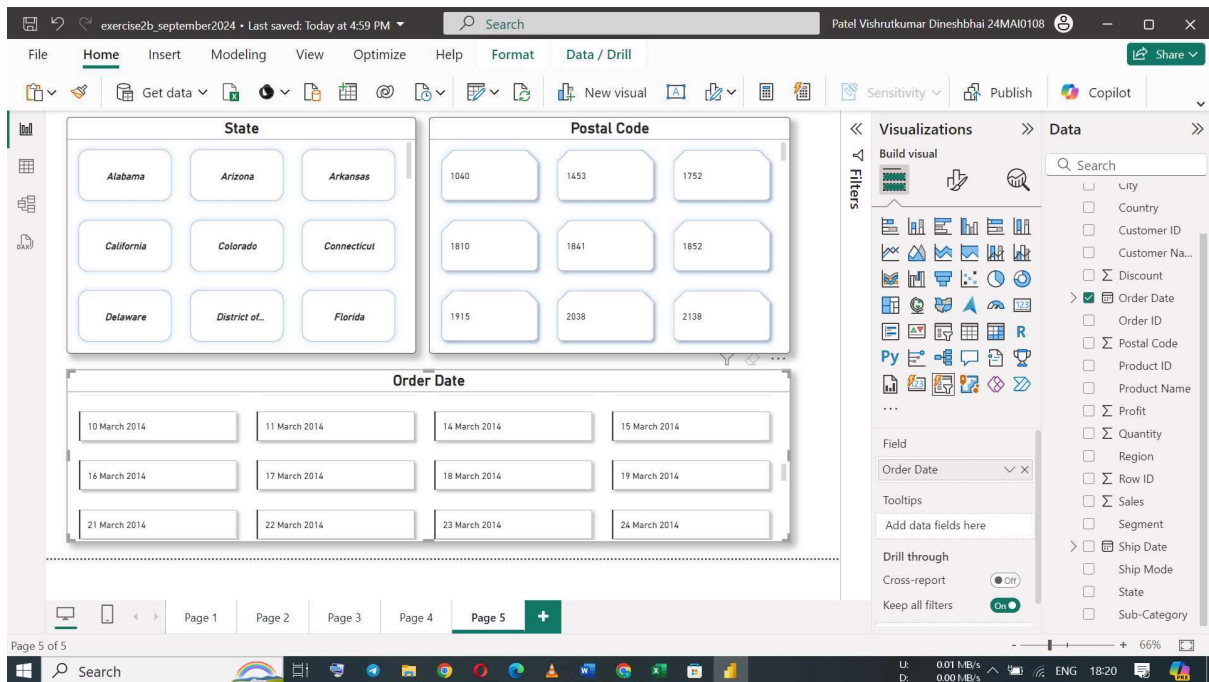
Step 2: Create a Table

- Create a table visualization with the following columns:
    - **Category (Product Line)** (drag **Category** from the fields pane).
    - **Sales**.
    - **Order ID**.
    - **Quantity**.
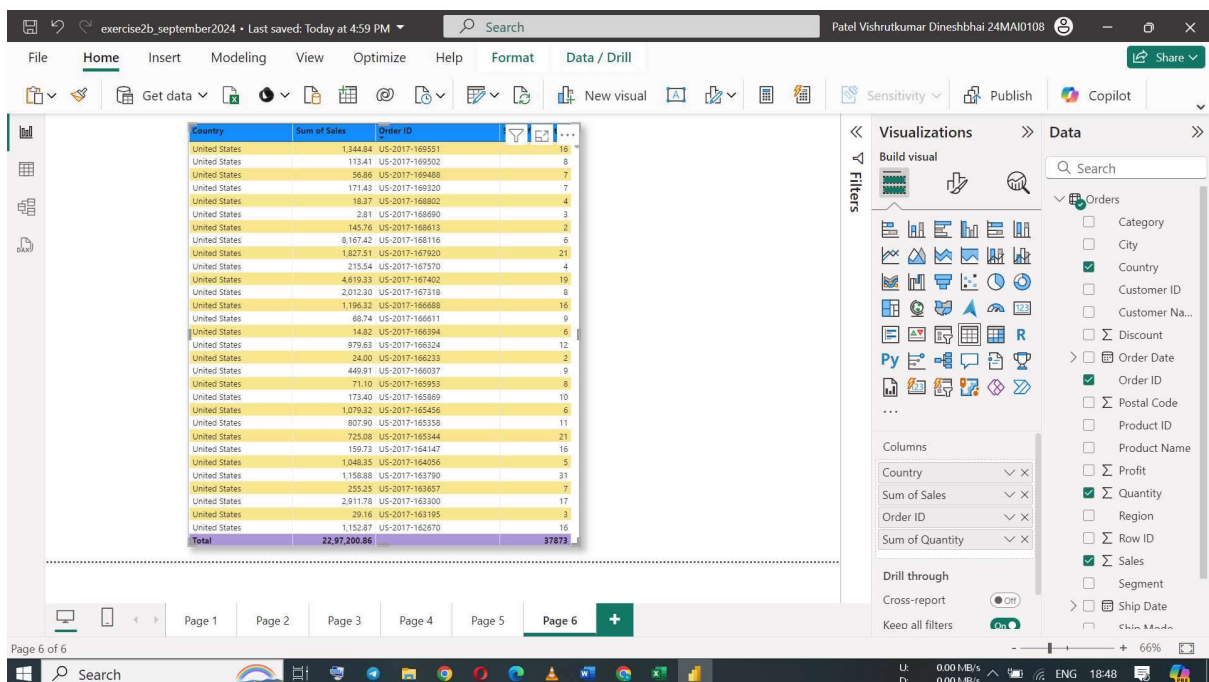
Step 3: Test Slicer Values

- Example: Choose **California** in the **State** slicer, select an **Order Date** range, and a specific **Postal Code**. Watch the table update based on these slicer selections.

Step 4: Create Two Different Tables

- **Table 1: Using Slicers for State and Order Date**

- **Table 2: Using Slicers for City and Quantity**

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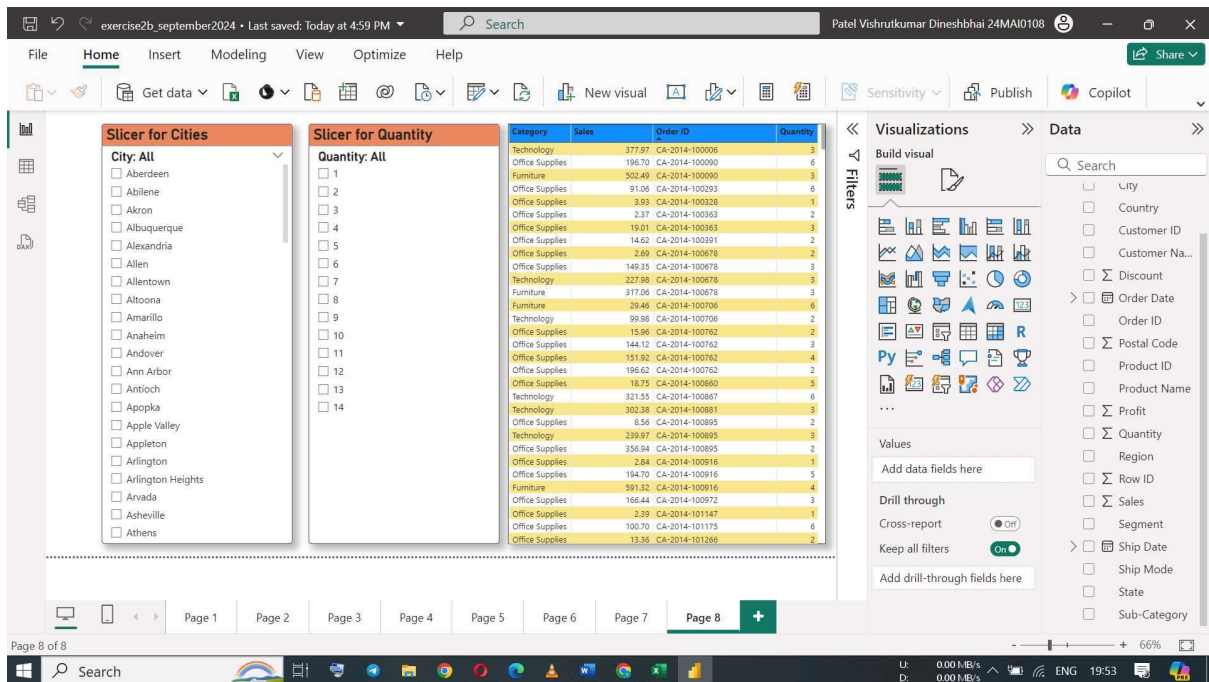
3. Drill Down Option

Step 1: Create a Bar Graph

- **Example:**
    - Choose a **Stacked Bar Chart** from the visualization pane.
    - Drag **Category** to the **Axis**.
    - Drag **Sales** to the **Values**.

Step 2: Add Date Hierarchy

- Drag **Order Date** and create a hierarchy with **Year, Quarter, Month**, and **Date**:
    - Right-click on **Order Date** > **New Hierarchy**.
   - Add **Year**, **Quarter**, **Month**, and **Date** to this hierarchy.

Step 3: Enable Drill Down

- Enable the **Drill Down** option by selecting the downward arrow on the top of the bar graph.
- **Example:**
    - Drill down from **Year** to **Quarter**, **Month**, and **Date** to explore the sales distribution across time for different product categories.
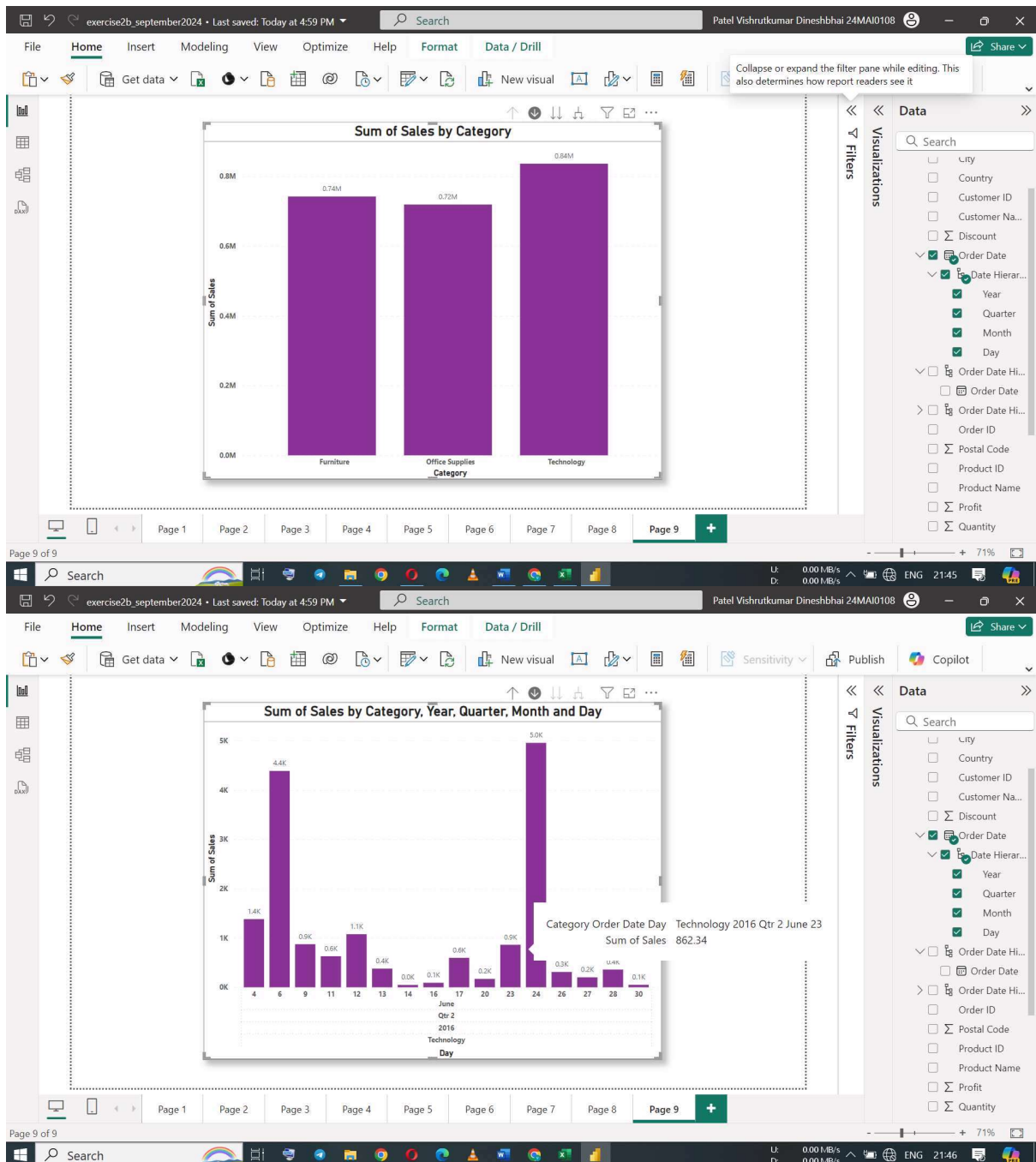
4. Create a Dashboard

- Combine the following elements into a single dashboard:
  - **Funnel Chart** (filtered by state and city).
  - **Table 1 and Table 2** (with slicers applied).
  - **Drill-down Bar Graph** showing sales over time by category.
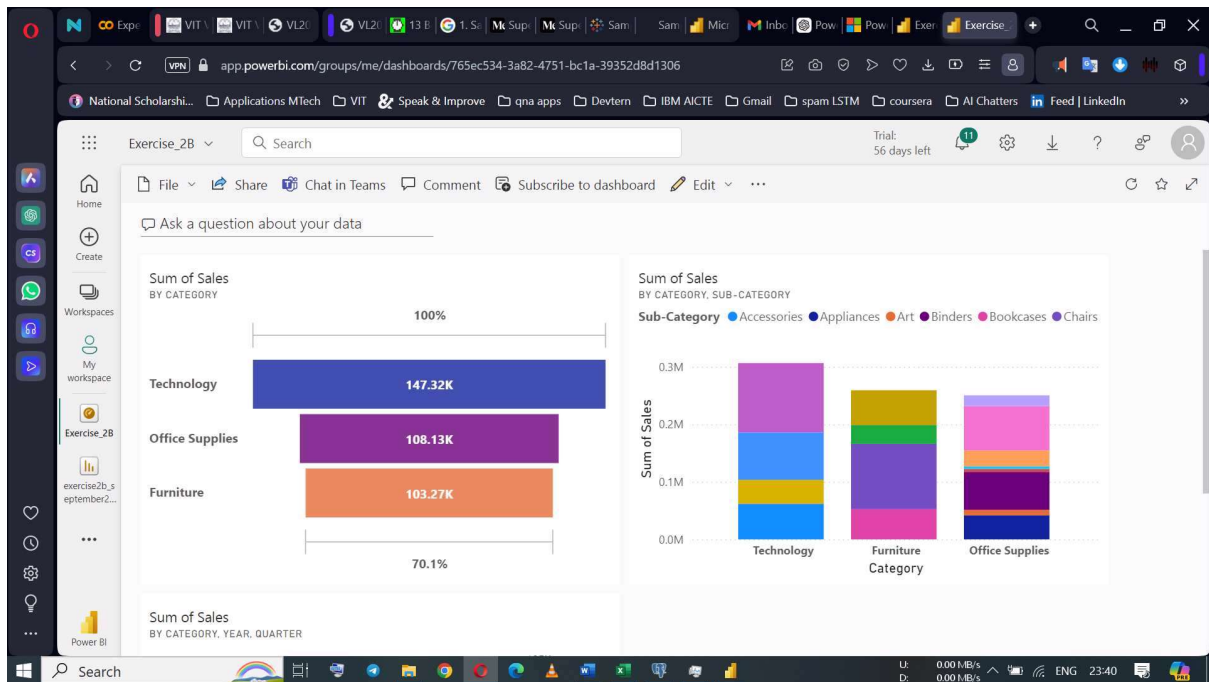
Dashboard Link : https://app.powerbi.com/groups/me/dashboards/765ec534-3a82-4751-bc1a-39352d8d1306?ctid=d4963ce2-af94-4122-95a9-644e8b01624d&pbi_source=linkShare