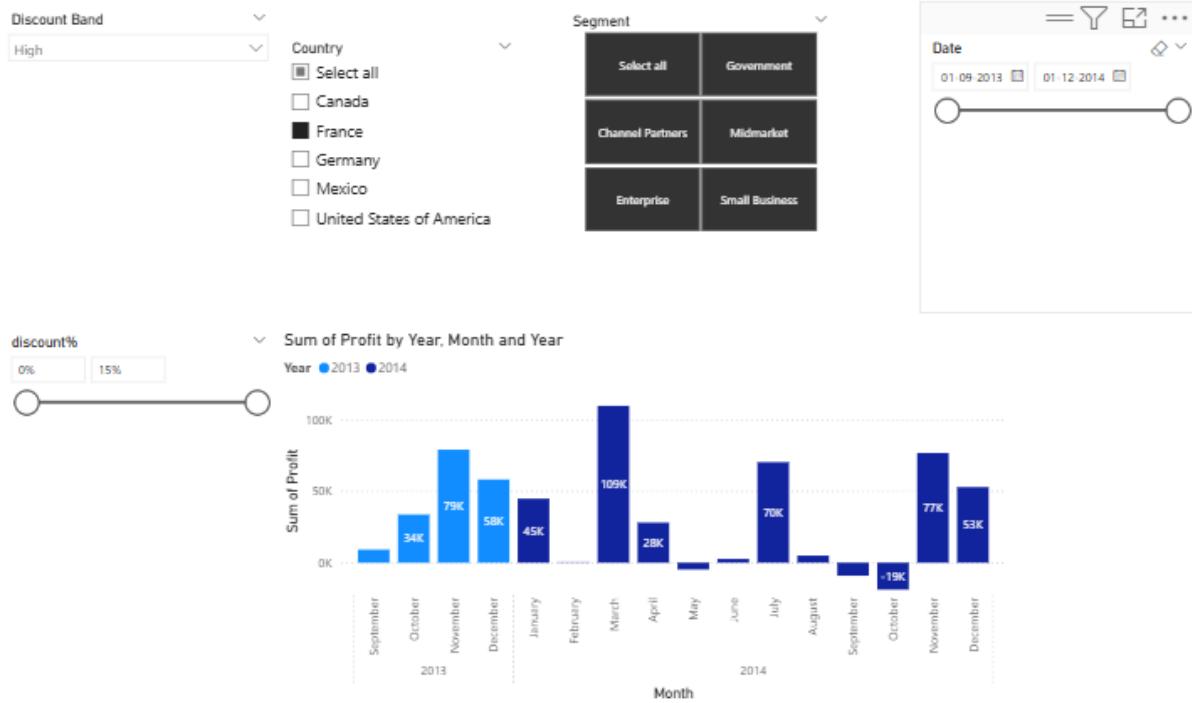


Date:21-11-25

Title:slicers



### Bar Chart with Multiple Slicers – Sum of Profit by Year, Month, and Date Range (Power BI)

This report page uses **multiple slicers** to filter and interact with the bar chart showing **Sum of Profit by Year, Month, and Year**. These slicers allow users to dynamically narrow the data and view profit trends for specific conditions.

#### How the Visual Works

##### Main Chart: Sum of Profit by Year, Month, and Year

- The bar chart displays **monthly profit values** for the years **2013 and 2014**.
- Each bar represents a month within the selected date range.
- Profit values are shown as labels (e.g., 34K, 79K, 109K).
- The chart reflects only the data allowed by the slicer selections.

#### Slicers Used in the Report

##### 1. Discount Band Slicer

- Allows users to filter the data based on discount categories (e.g., *High, Medium, Low*).
- Only transactions with the chosen discount band appear in the bar chart.
- For example, selecting **High** shows profits from only high-discount orders.

##### 2. Country Slicer

- Lets users select one or multiple countries.

- The chart updates to show profit data only for the chosen countries.
- In the screenshot, **France** is selected, so the chart reflects profit for France only.

### 3. Segment Slicer

- Users can filter by business segment such as:
  - Government
  - Channel Partners
  - Midmarket
  - Enterprise
  - Small Business
- This helps analyze how profit varies across customer segments.

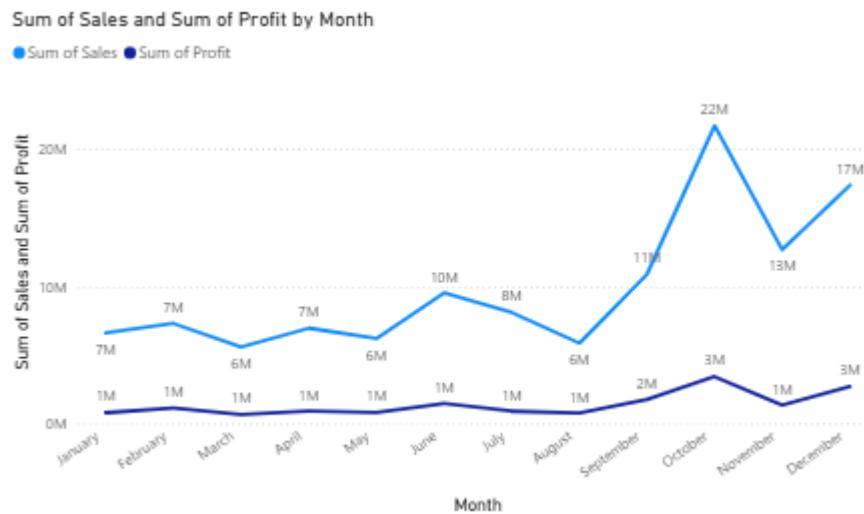
### 4. Discount % Slider

- A numerical slider that filters data based on actual discount percentage.
- Users set a minimum and maximum range (e.g., *0% to 15%*).
- Only sales within that discount percentage range are included.

### 5. Date Range Slicer

- A timeline/slider allowing users to choose a specific date range.
- The bar chart updates to reflect only the selected months.
- In the example, the range is **01/09/2013 to 01/12/2014**, covering late 2013 and the full year 2014.

## Title:line chart



### Line Chart – Sum of Sales and Sum of Profit by Month (Power BI)

This line chart compares **monthly Sales** and **monthly Profit** across the entire year. It helps users understand revenue trends alongside profitability, making it easy to spot seasonal peaks, low-performing months, and overall performance patterns.

#### How the Visual Works

##### Two Measures Shown

- **Sum of Sales** (light blue line)
- **Sum of Profit** (dark blue line)

Both values are plotted month-by-month from January to December.

#### Axes

- **X-axis:** Months of the year
- **Y-axis:** Value of Sales and Profit

Each point on the lines represents the total sales or profit for that month.

#### Key Observations

##### 1. Sales Trend

- Sales move between **6M to 10M** for most of the year.
- A major spike occurs in **October**, reaching **22M**—the highest monthly sales.
- After the spike, sales decline in November (**13M**) but rise again slightly in December (**17M**).

##### 2. Profit Trend

- Profit values remain much lower compared to sales (typically **1M to 3M**).
- Profit also rises notably in **October**, reaching **3M**, aligning with the sales spike.

- Profit dips slightly in November then stabilizes again in December.

### 3. Overall Pattern

- Sales and profit follow similar seasonal patterns—when sales increase, profit also increases.
- October stands out as the most profitable and highest-selling month.
- Profit margins appear consistent, with profit always trailing significantly behind sales, indicating a possible **low profit-to-sales ratio**.