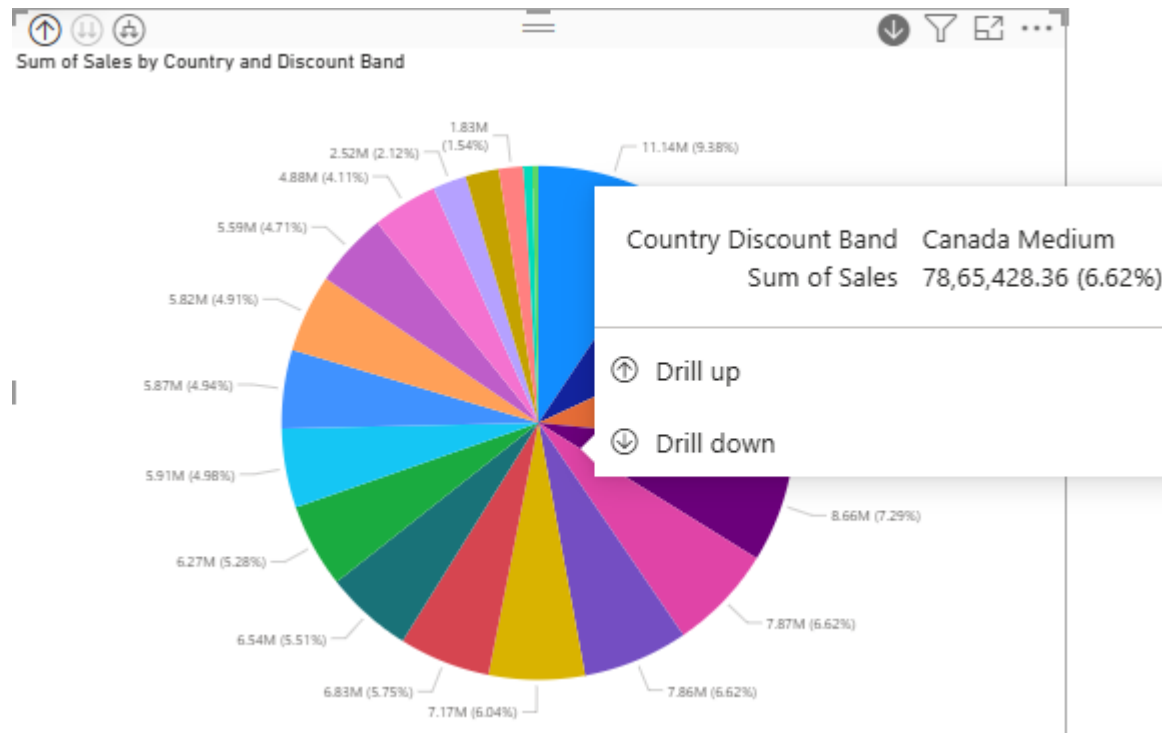**Date: 20-11-2025**

Title: sum of sales by country and discount band

Pie Chart with Drill Up / Drill Down

This pie chart visual in Power BI displays the **Sum of Sales by Country and Discount Band**, allowing users to explore data at multiple hierarchy levels using **Drill Down** and **Drill Up** features.

How the Visual Works

- The chart aggregates **total sales** and divides them into coloured slices.

- Each slice represents a **Country + Discount Band** combination.

- When you hover over a slice, a tooltip display:

  - **Country**

  - **Discount Band**

  - **Sum of Sales**

  - **Percentage contribution to the total**

Drill Down Functionality

- The hierarchy in the chart is structured as:
  Country → Discount Band

- When users click **Drill down**:

  - The chart breaks down a selected country into its underlying **Discount Band categories** (e.g., High, Medium, Low).

o This allows users to analyse how different discount levels contribute to sales within that country.

Drill Up Functionality

- After drilling down into Discount Bands, users can click **Drill up**:

    o The view returns to the higher level (Country-level sales).

    o This summarizes total sales for each country without internal discount segmentation.

Example from the Chart
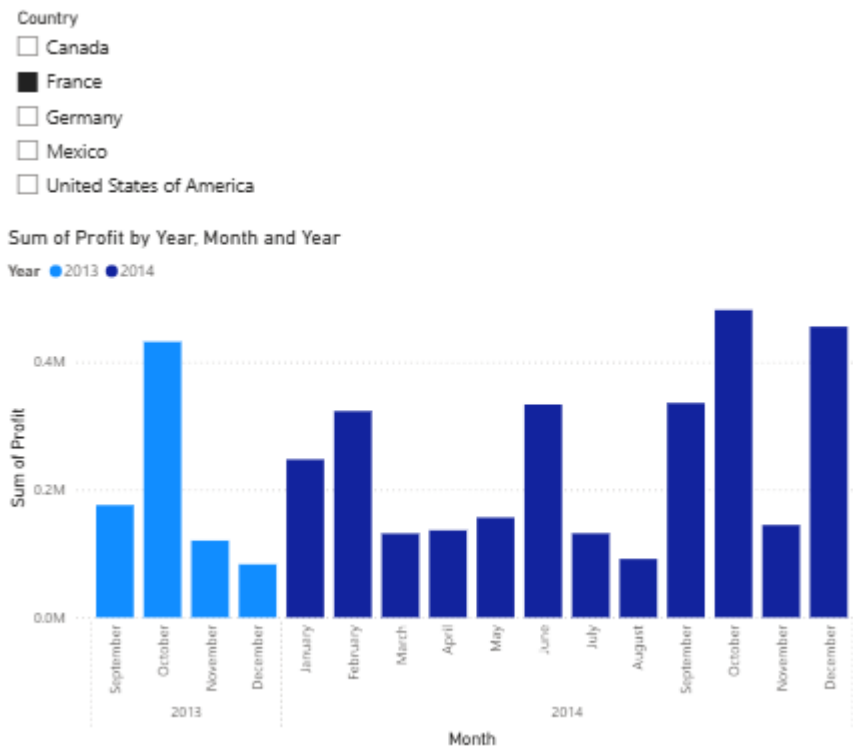
In the highlighted slice:

- **Country:** Canada

- **Discount Band:** Medium

- **Sum of Sales:** 7,865,428.36

- **Contribution:** 6.62% of total sales
  This indicates that within Canada, medium-discount products represent a significant portion of sales and can be examined further using drill features.

Purpose

The drill hierarchy helps users:

- Move seamlessly between **summary-level** and **detail-level** data.

- Identify trends or outliers in specific countries or discount segments.

- Perform intuitive, interactive analysis directly within the chart.

Title: slicers

Country
☐ Canada
☑ France
☐ Germany
☐ Mexico
☐ United States of America

Sum of Profit by Year, Month and Year

Year ● 2013 ● 2014

Description:

This Power BI visual analyses **profit performance** over time using a **clustered column chart** that compares the **Sum of Profit** across different **months** for the years **2013 and 2014**.
The chart is enhanced with **interactive slicers**, allowing users to filter results by **Country** and by **Year**, enabling focused analysis for specific markets and time periods.

Slicers Used in the Report

1. Country Slicer

- Includes the following options:
    - Canada
    - France
    - Germany
    - Mexico
    - United States of America

- Selecting any country dynamically updates the chart to show **profit trends only for that chosen market**.

2. Year Slicer (Legend)

- Light Blue represents **2013**
- Dark Blue represents **2014**

- Users can toggle years on/off using the legend to compare:
    - Monthly profit for a single year (2013 or 2014), or
    - Both years together to identify **year-over-year seasonal trends**.

Chart Functionality

The visual displays:

- **Monthly Sum of Profit**
- Side-by-side comparison between **2013 vs 2014**
- Interactive filtering based on slicer selections

This setup allows users to understand:

- Which months generated the highest profit in each year
- Seasonal patterns (e.g., October shows a strong rise)
- Differences in profit trends between two consecutive years

How Drill Up and Drill Down Enhance the Chart

The chart uses a **date hierarchy**:
Year → Month

Drill Down

- Clicking on a year allows users to drill into individual monthly profit values.
- Helps identify high-performing or low-performing months for a selected year.

Drill Up

- Returns to the higher-level **Year** summary.
- Useful when users want to compare overall profit performance at the annual level.