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## Sum of Profit by Year

This graph is created in Power BI to analyze the **Sum of Profit by Year**.

It helps us understand how total profit has changed across different years and what factors might have influenced it.

### 1. Chart Type Used

- The visual is a **Column Chart**, effective for comparing profits across years.
- Each bar represents total profit for a specific year.

### 2. Data Fields Used

- **X-Axis:** Year (2013, 2014).
- **Y-Axis:** Sum of Profit (total profit for each year).
- **Legend:** Year (for color distinction).
- **Values:** Sum of Profit (controls bar height).

### 3. Displayed Data

- **2013:** Profit  $\approx$  0.07M (70K).
- **2014:** Profit  $\approx$  0.52M (520K).  
Major profit increase from 2013 to 2014.

### 4. Slicers Added

Slicers let users filter data dynamically:

- **Date Slicer:** Choose a date range.
- **Discount Percentage Slicer:** Filter 0–15%.
- **Country Slicer:** Filter by country (Canada, France, Germany, Mexico, USA).
- **Discount Band Slicer:** Filter discount categories (Low).
- **Segment Slicer:** Filter by business segments (Government, Channel Partners, Midmarket, Enterprise, Small Business).

### 5. Insights

- Profit rose sharply between 2013 and 2014.
- Slicers add interactivity, helping analyze performance by **country**, **discount level**, and **segment**.

- Useful to find which countries or segments contributed most to profit growth.

## 6. Purpose

- Quickly compare profit performance across years.
- Enable interactive exploration of profitability across multiple business dimensions.

