**Power BI Lab 4**

**Data Source :** Adventure Works

<https://github.com/Microsoft/sql-server-samples/releases/download/adventureworks/AdventureWorks2022.bak>

1. Connect to datasource using DirectQuery Mode
2. Get these tables from it :
   1. vw\_DimProducts
   2. vw\_DimSalesPersons
   3. vw\_DimShipMethods
   4. vw\_DimStatuses
   5. vw\_DimTerritories
   6. vw\_FactOrderDetails
3. Create Dates table using **Dax**
4. Create the following measures:
   1. No. orders
   2. TotalSubtotal
   3. Total Tax
   4. Total Freight
   5. Total Due
   6. Total Quantity
   7. Sales Growth %
5. Create a dashboard from three pages with these options:
   1. You are free to make some visual to cover three pages of reports
   2. Make navigations for the three pages
6. Create these charts:
   1. Sales Growth % by Year
   2. Sales vs. Tax for No. Orders (Correlation Analysis)
   3. Use a Decomposition Tree
7. Sales Growth Bookmark Example (Bonus)

Scenario: Toggle between Sales by Territory and Sales Growth % charts using bookmarks.

* 1. Chart 1: Sales by Territory (Pie Chart).
  2. Chart 2: Sales Growth % by Year (Bar Chart).

1. Use Q&A Chart
2. Use Drill Through (Bonus)
3. Make Creative Design