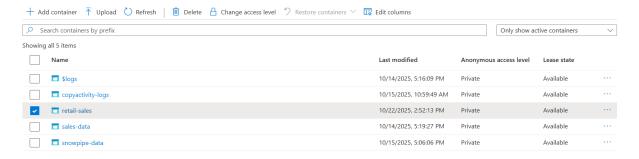
# **Case Study**

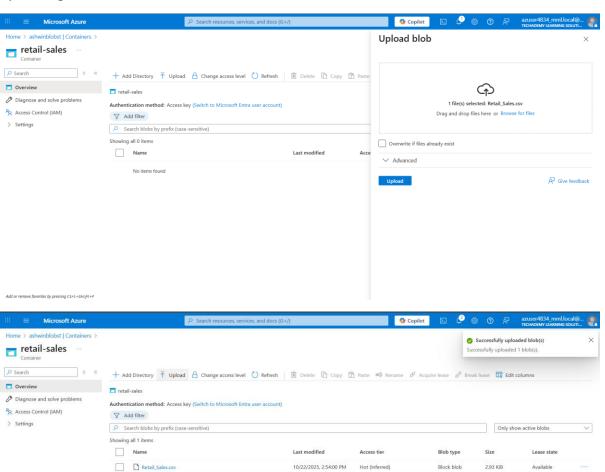
Ashwin Harish P

# 1. Uploading CSV to Azure

#### Creating a new container "Retail Sales" in Azure

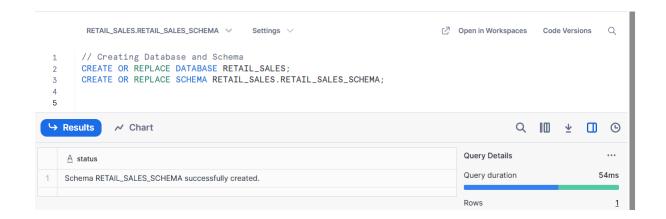


#### Uploading csv file in the container



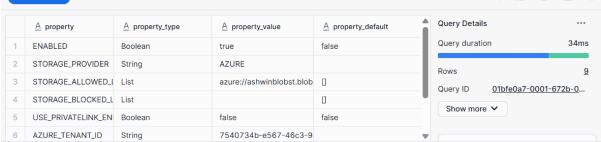
#### 2. Ingest it into Snowflake using Snowpark,

#### Creating a new database and schema



#### Creating a new integration which points to azure





#### Creating a file format



#### **Creating a Stage**

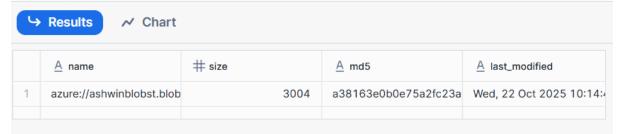
```
// Creating Stage
CREATE OR REPLACE STAGE RETAIL_SALES.RETAIL_SALES_SCHEMA.AZURE_STAGE
STORAGE_INTEGRATION = AZURE_INTEGRATION
URL='azure://ashwinblobst.blob.core.windows.net/retail-sales'
FILE_FORMAT = CSV_FILE;

A status

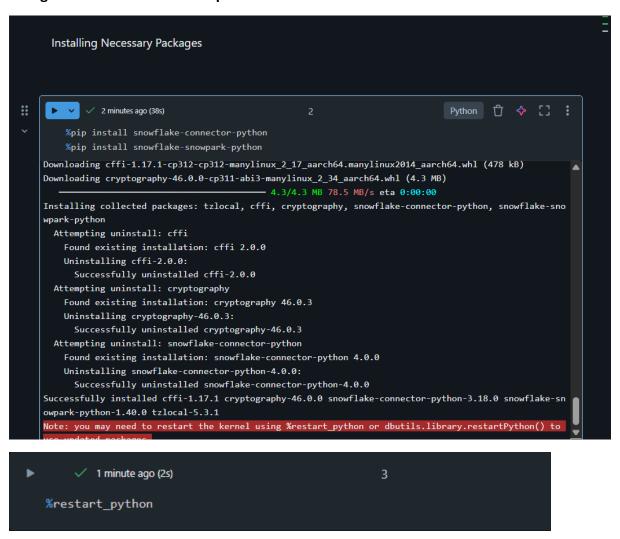
Stage area AZURE_STAGE successfully created.
```

#### **Listing files in Stage**

```
17 -- List files in the Stage
18 LIST @RETAIL_SALES.RETAIL_SALES_SCHEMA.AZURE_STAGE;
19
```



#### **Doing Transformations in Snowpark**





# 

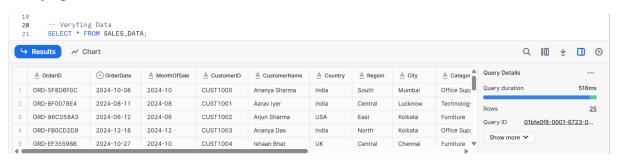
```
Type Casting

df = df.with_column("Quantity", col("Quantity").cast("INTEGER")) \
    .with_column("Discount", col("Discount").cast("FLOAT")) \
    .with_column("Sales", col("Sales").cast("FLOAT")) \
    .with_column("Profit", col("Profit").cast("FLOAT")) \
    .with_column("OrderDate", col("OrderDate").cast("DATE"))
```

3)

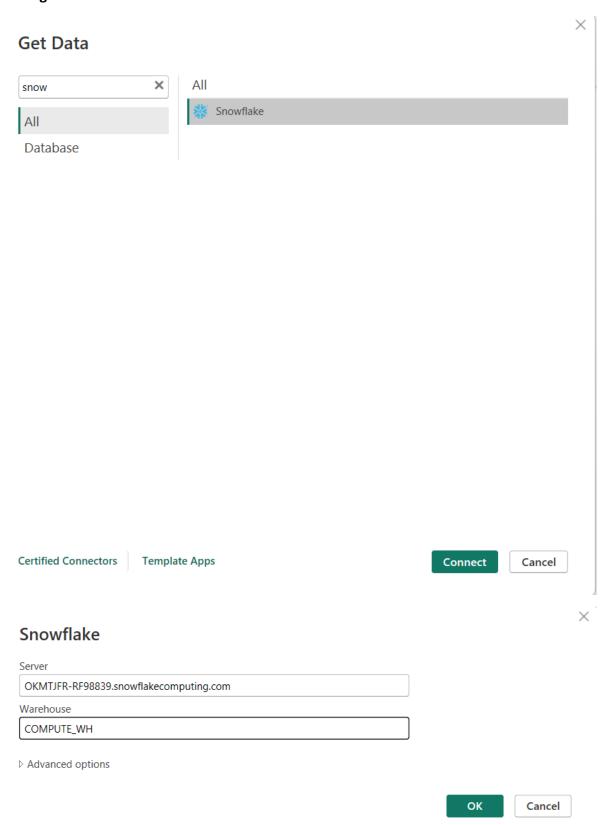
#### Injecting to a Snowflake Table

#### **Verifying Data in Snowflake**

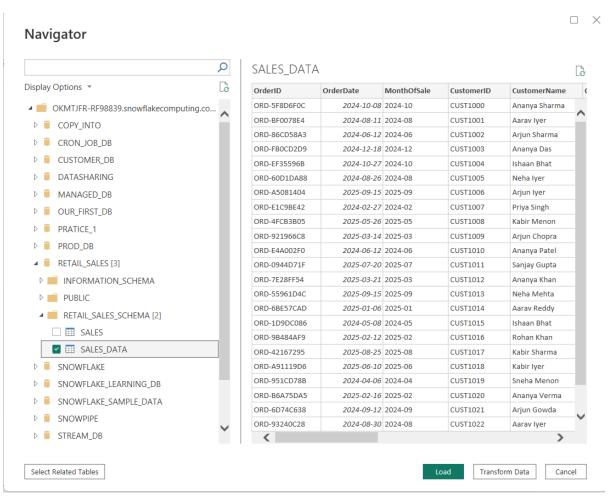


# **Generating Power BI Report**

# **Loading Data from External Source-Snowflake**



#### **Transforming Data**



# Connection settings

You can choose how to connect to this data source. Import allows you to bring a copy of the data into Power BI. DirectQuery will connect live to this data source.

ImportDirectQuery

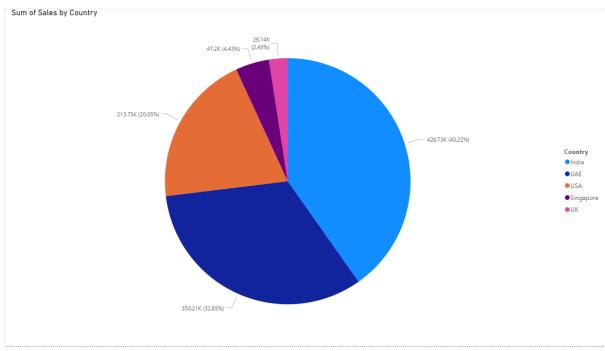
Learn more about DirectQuery

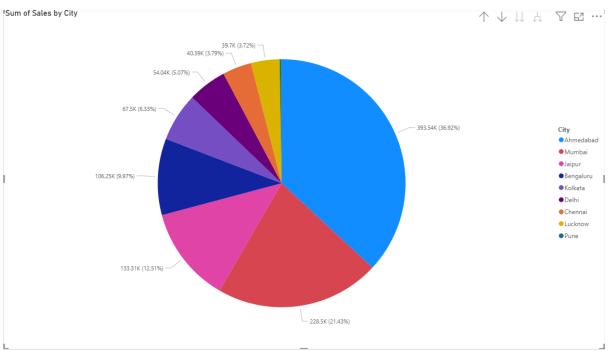
OK Cancel

After making some transformation, I loaded the data

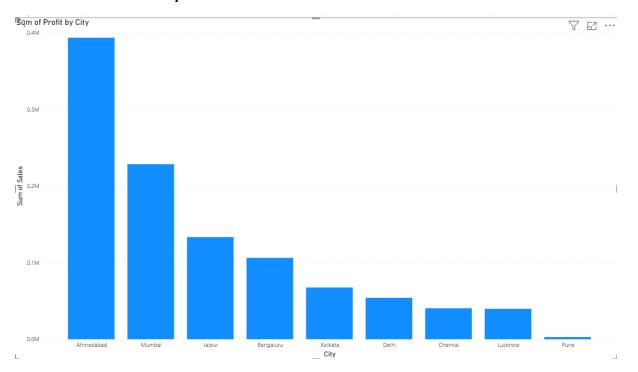
#### **Visualizations**

# 1. Sales of Each City and Country using Drill Through

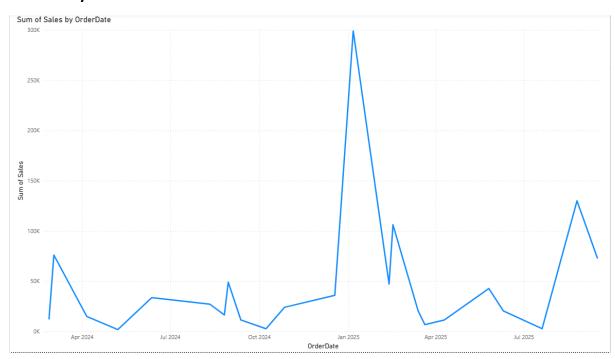




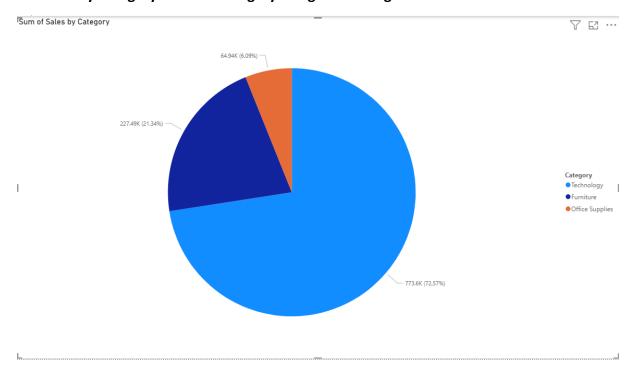
# 2. Profit of Each City



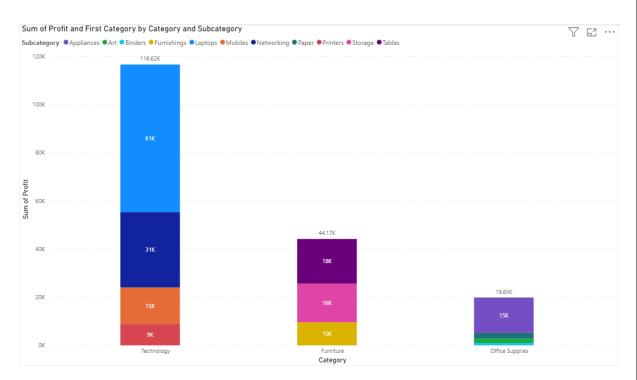
#### 3. Sales by Month



# 4. Sales by Category and Sub Category using Drill Though



# 5. Profit by Category and Sub Category



# 6. Quantity Sold by Sub-Category

