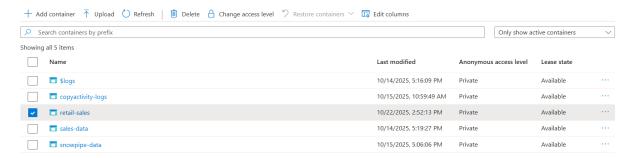
Case Study

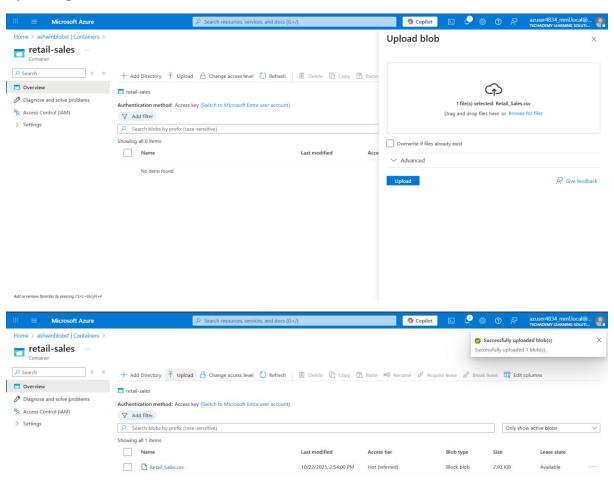
Ashwin Harish P

1. Uploading CSV to Azure

Creating a new container "Retail Sales" in Azure

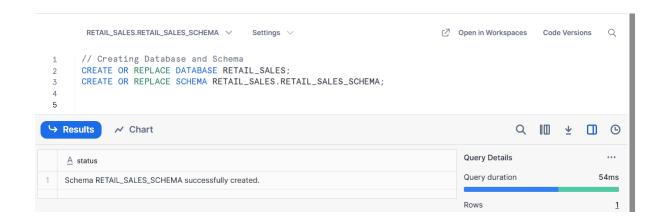


Uploading csv file in the container

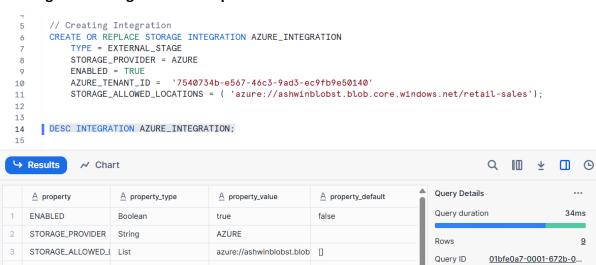


2. Ingest it into Snowflake using Snowpark,

Creating a new database and schema



Creating a new integration which points to azure



false

false

7540734b-e567-46c3-9

Show more 🗸

Creating a file format

STORAGE_BLOCKED_L List

USE PRIVATELINK EN Boolean

AZURE_TENANT_ID String



Creating a Stage

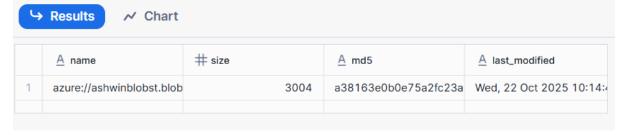
```
// Creating Stage
CREATE OR REPLACE STAGE RETAIL_SALES.RETAIL_SALES_SCHEMA.AZURE_STAGE
STORAGE_INTEGRATION = AZURE_INTEGRATION
URL='azure://ashwinblobst.blob.core.windows.net/retail-sales'
FILE_FORMAT = CSV_FILE;

A status

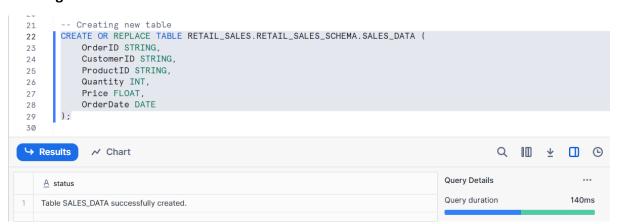
Stage area AZURE_STAGE successfully created.
```

Listing files in Stage

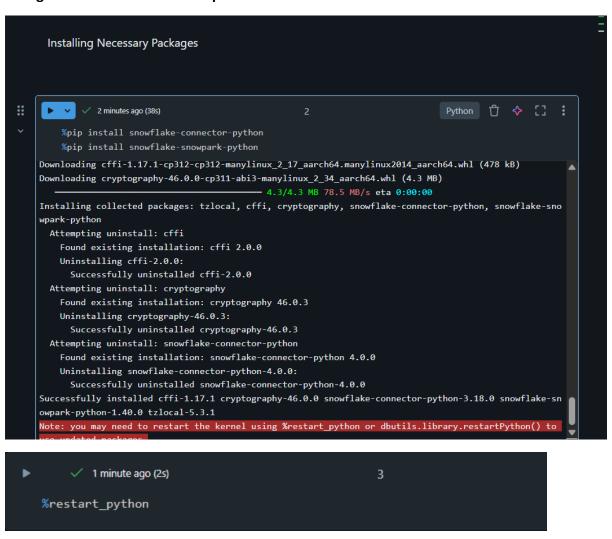
```
17 -- List files in the Stage
18 LIST @RETAIL_SALES.RETAIL_SALES_SCHEMA.AZURE_STAGE;
19
```

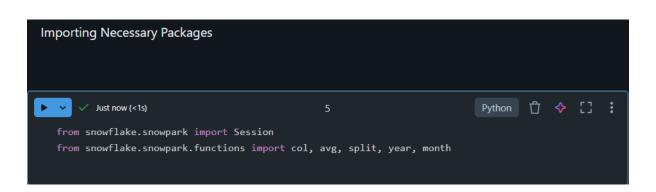


Creating Table



Doing Transformations in Snowpark





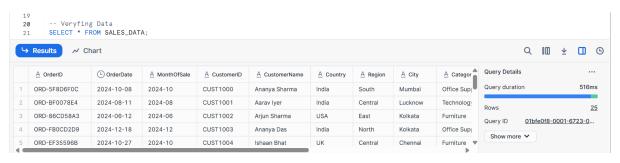

```
Type Casting

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)

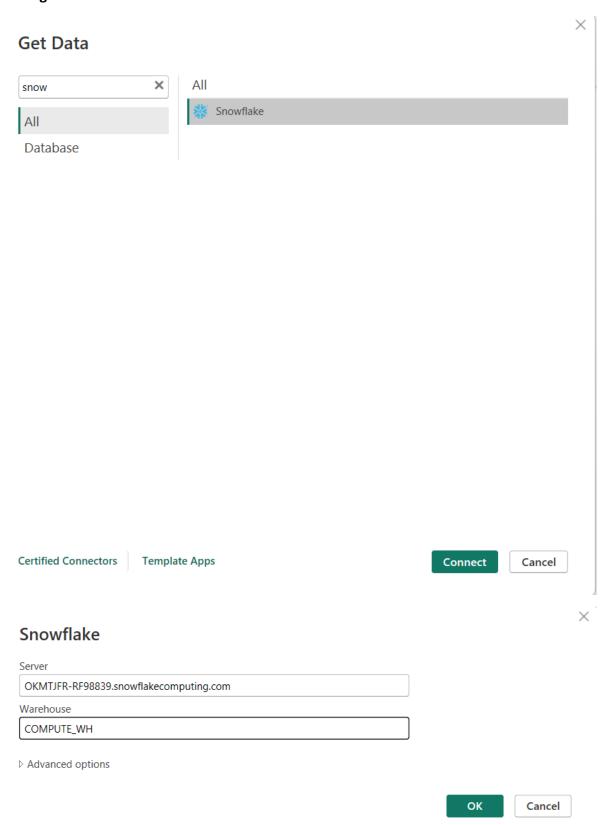
Injecting to a Snowflake Table

Verifying Data in Snowflake

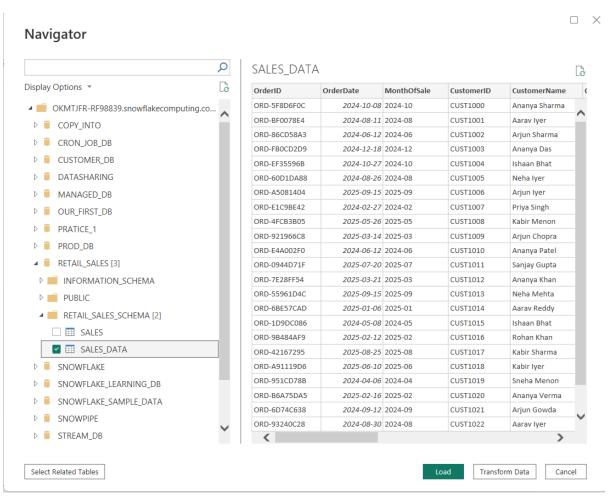


Generating Power BI Report

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

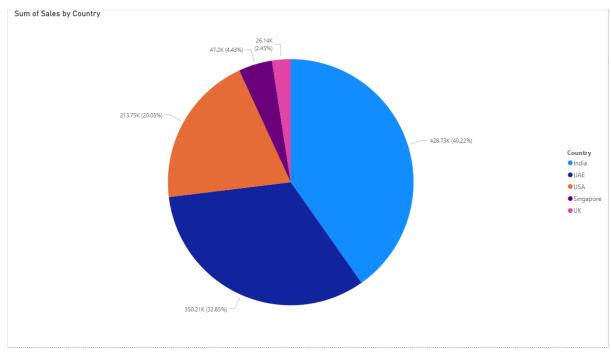
Learn more about DirectQuery

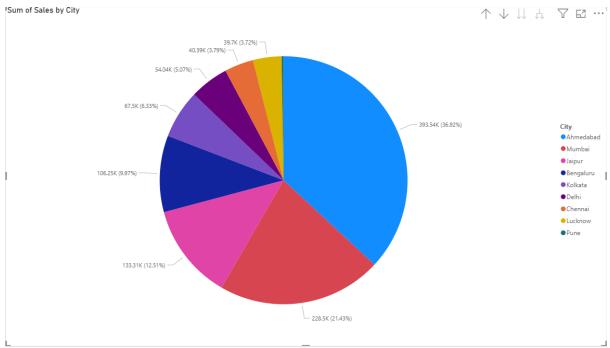
OK Cancel

After making some transformation, I loaded the data

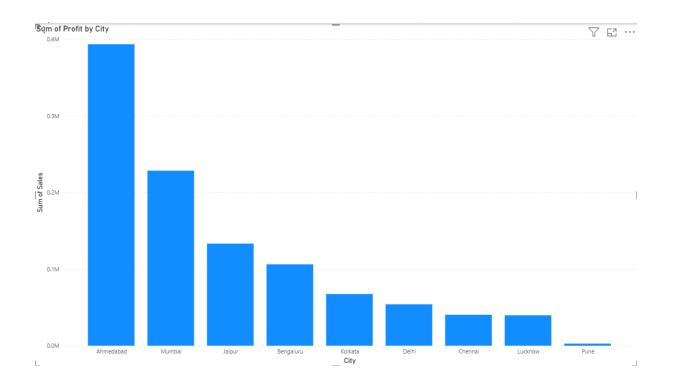
Visualizations

1. Sales of Each City and Country using Drill Through

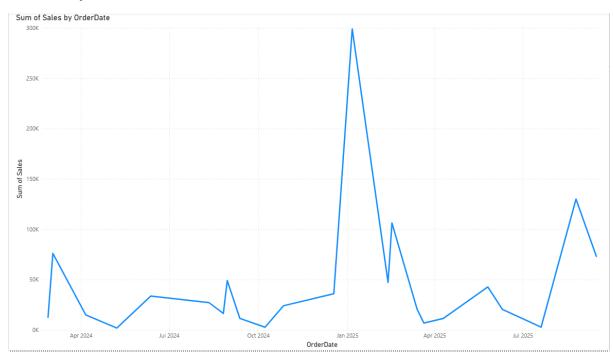




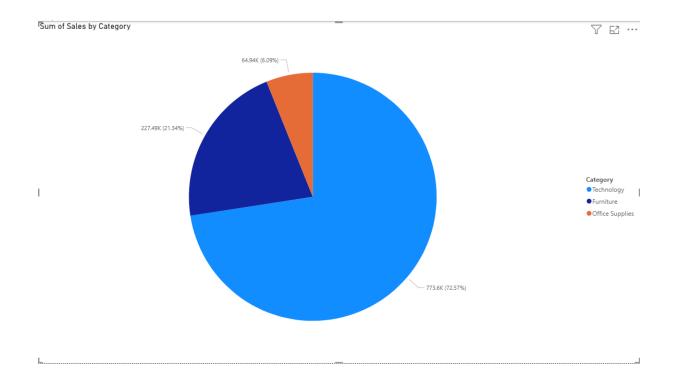
2. Profit of Each City



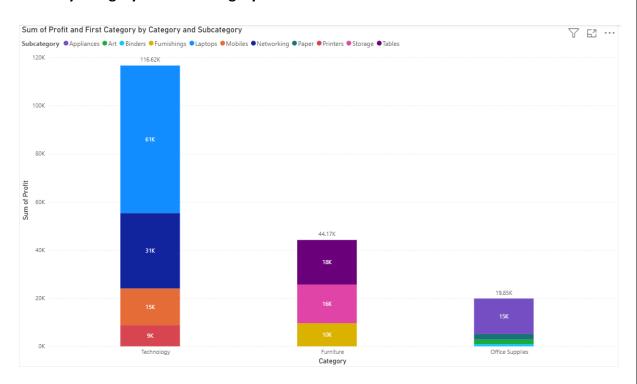
3. Sales by Month



4. Sales by Category and Sub Category using Drill Though



5. Profit by Category and Sub Category



6. Quantity Sold by Sub-Category

