

## Azure Databricks

The screenshot shows the Azure Databricks workspace interface. On the left, there's a sidebar with various navigation links like Workspace, Catalog, Jobs & Pipelines, Compute, Marketplace, and Data Engineering. The main area is a notebook with three cells:

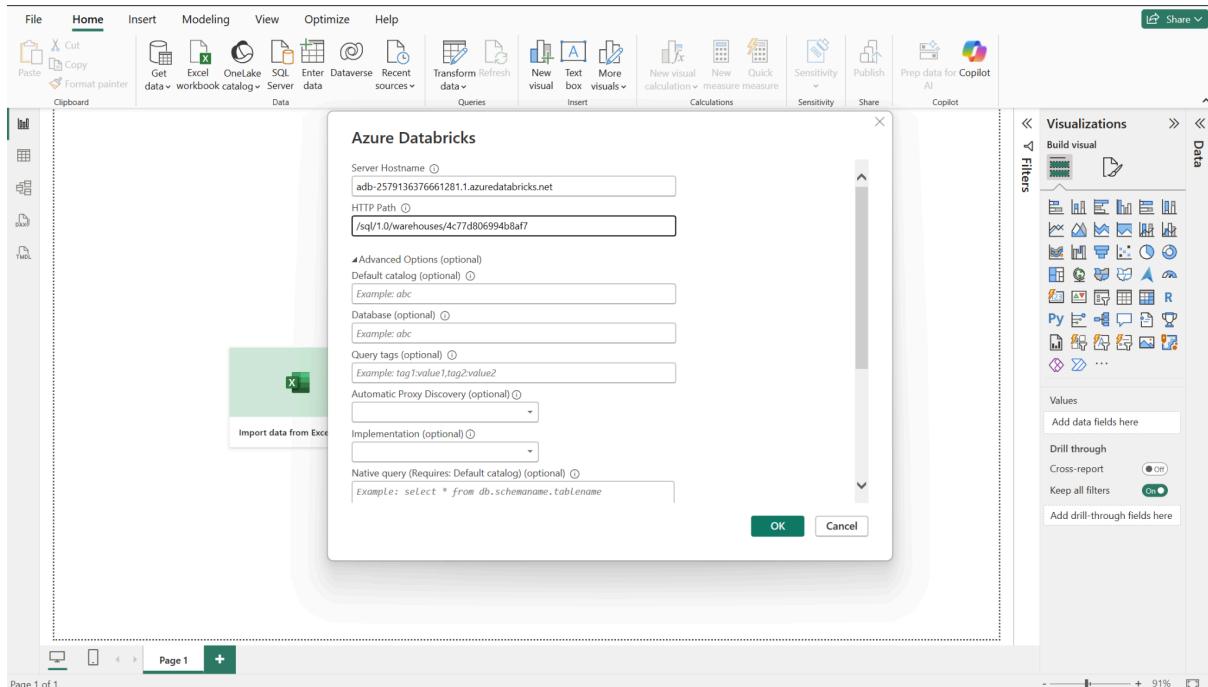
- Cell 1 (SQL):

```
%sql  
CREATE DATABASE IF NOT EXISTS gold;
```
- Cell 2 (Python):

```
from pyspark.sql.functions import col, countDistinct, sum, round, to_date, year, month
```
- Cell 3 (Python):

```
# Read Silver sales data  
silver_sales = spark.table("silver.sales")  
  
# Aggregate daily sales metrics  
daily_sales_df = (  
    silver_sales  
    .withColumn("sales_date", to_date(col("transaction_ts_utc")))  
    .groupby("sales_date")  
    .agg(  
        countDistinct("transaction_id").alias("total_orders"),  
        round(sum("total_amount_usd"), 2).alias("total_revenue_usd")  
    )  
  
    # Write to Gold layer  
    daily_sales_df.write.format("delta") \  
        .mode("overwrite") \  
        .save()
```

## Azure Databricks Integration with PowerBI



PowerBI Dashboards:  
PowerBI File has been uploaded