PROJECT 2

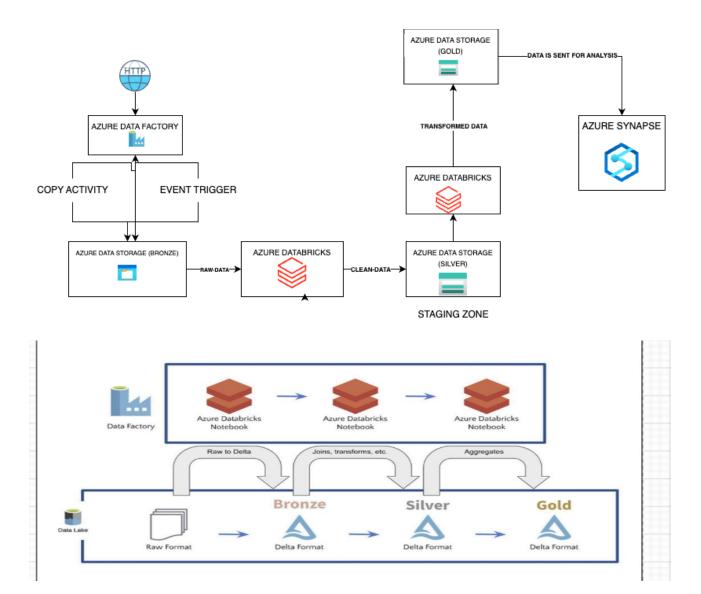
Customer Shopping Trends

The Customer Shopping Preferences Dataset offers valuable insights into consumer behavior and purchasing patterns. Understanding customer preferences and trends is critical for businesses to tailor their products, marketing strategies, and overall customer experience. This dataset captures a wide range of customer attributes including age, gender, purchase history, preferred payment methods, frequency of purchases, and more.

SCHEMA:

- Customer ID Unique identifier for each customer
- Age Age of the customer
- Gender Gender of the customer (Male/Female)
- Item Purchased The item purchased by the customer
- Category Category of the item purchased
- Purchase Amount (USD) The amount of the purchase in USD
- Location Location where the purchase was made
- Size Size of the purchased item
- Color Color of the purchased item
- Season Season during which the purchase was made
- Review Rating Rating given by the customer for the purchased item
- Subscription Status Indicates if the customer has a subscription (Yes/No)
- Shipping Type Type of shipping chosen by the customer
- Discount Applied Indicates if a discount was applied to the purchase (Yes/No)
- Promo Code Used Indicates if a promo code was used for the purchase (Yes/No)
- Previous Purchases The total count of transactions concluded by the customer at the store, excluding the ongoing transaction
- Payment Method Customer's most preferred payment method
- Frequency of Purchases Frequency at which the customer makes purchases (e.g., Weekly, Fortnightly, Monthly)

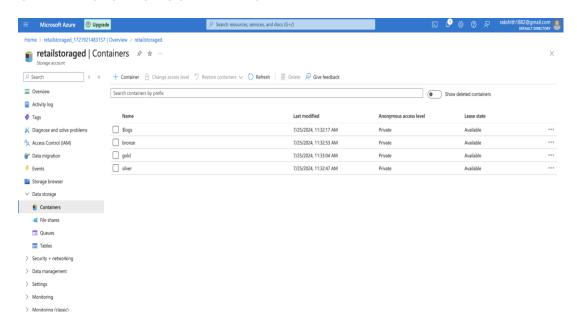
Architecture Diagram:



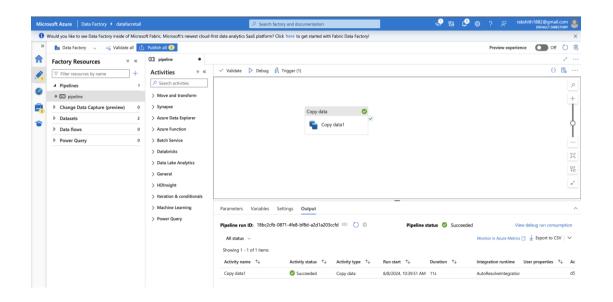
RAW-DATA

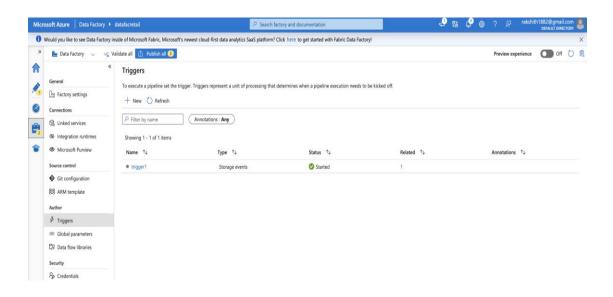
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Cutomer ID., Age, Gender, Item Purchased, Category, Purchase Amount (USD), Location, Size, Color, Season, Neview Rating, Judaccription Status, Shipping Type, Discount Applied, Promo Code Used, Previous Purchases, Payment Method, Fepomer, Cell Purchases, Category, Location, Category, Location, Personal Code Used, Previous Purchases, Payment Method, Fepomer, Color, Category, Category,
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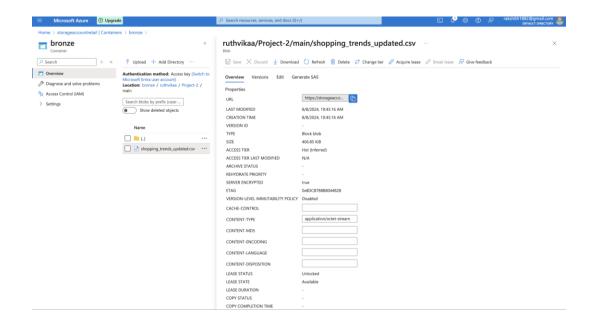
CREATED STORAGE CONTAINERS



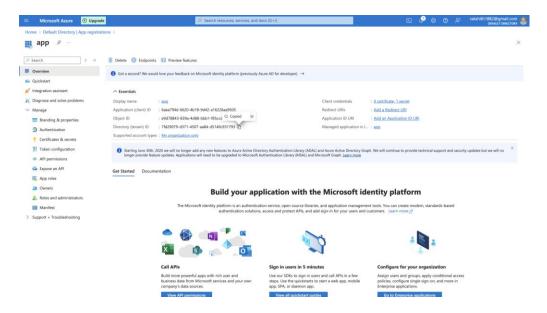
USED COPY ACTIVITY WITH EVENT TRIGGER TO COPY DATA FROM HTTPS TO STORAGE ACCOUNT:



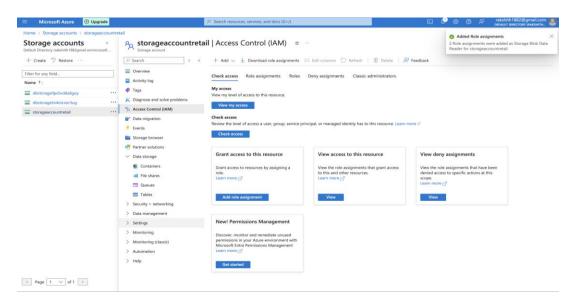




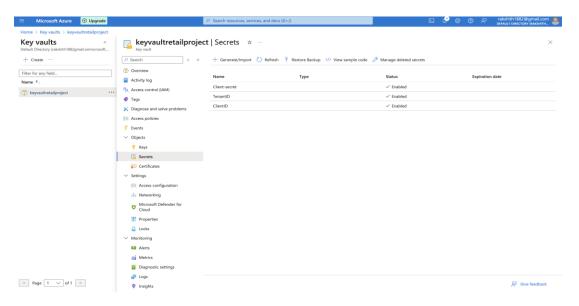
CREATED MICROSOFT ENTRAA ID:



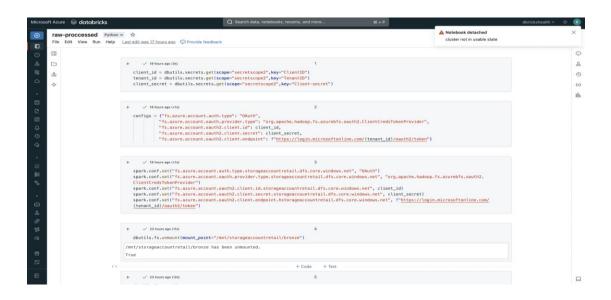
GIVEN REQUIRED ACCESS PERMISSIONS:



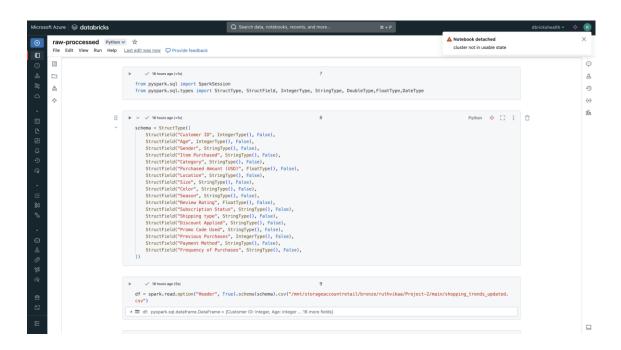
CREATED KEYVAULT AND GENERATED SECRETS:



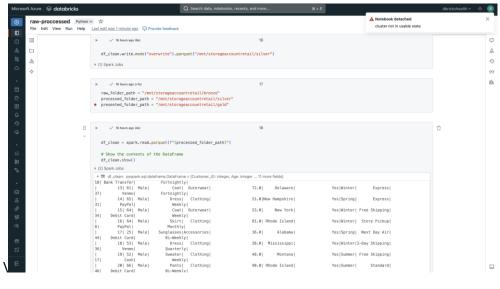
CONFIGURATION SETUP IN DATABRICKS:

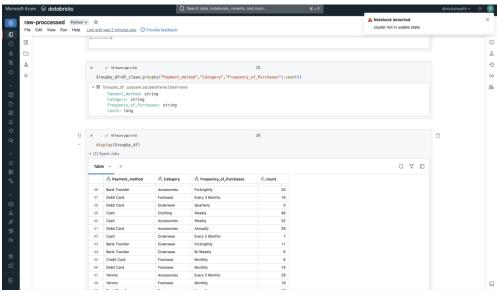


DEFINED SCHEMA

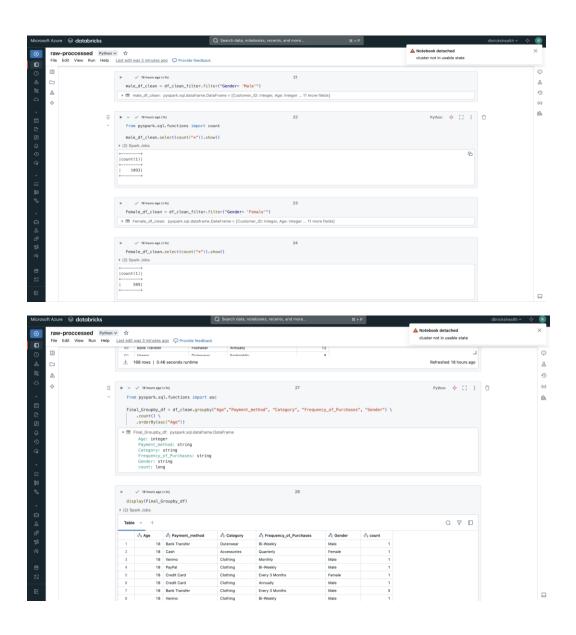


DATA AGGREGATIONS:





DATA AGGREGATIONS:



CREATED SYNAPSE SERVERLESS DB AND CREATED EXTERNAL TABLE:

