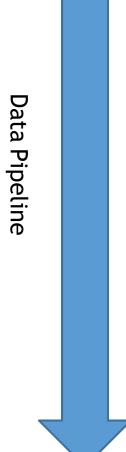
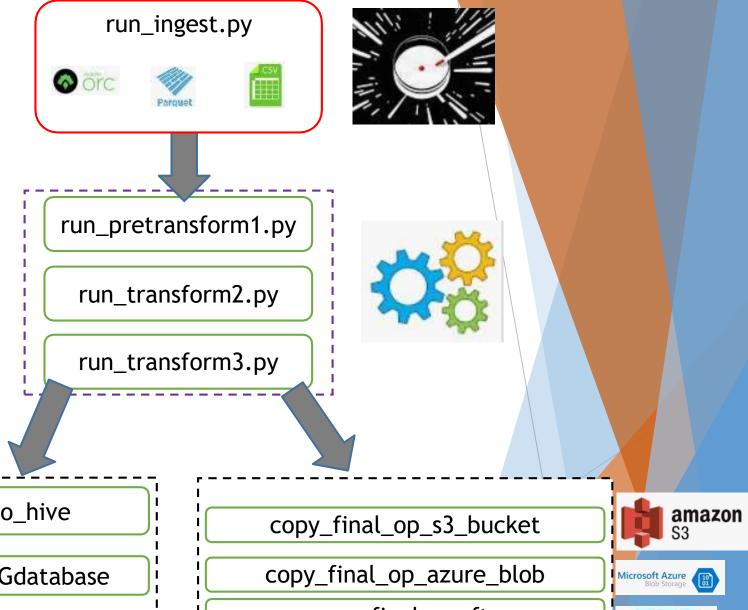
## Project Flow





#### **Project Flow:**

run\_pipeline.py





copy\_final\_op\_to\_hive

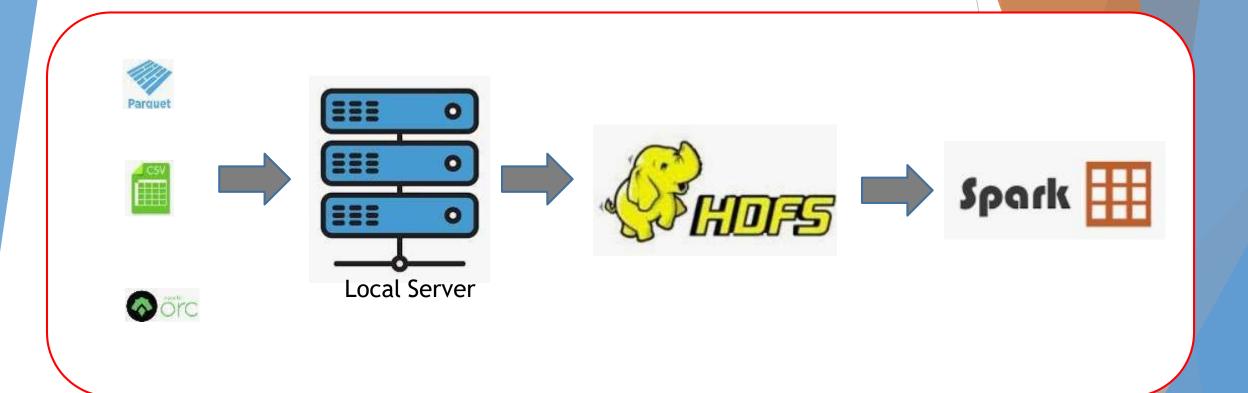


copy\_final\_op\_to\_PGdatabase

copy\_final\_op\_ftp



### Data Ingestion:



### **Transformations**













Transform n

### Storage





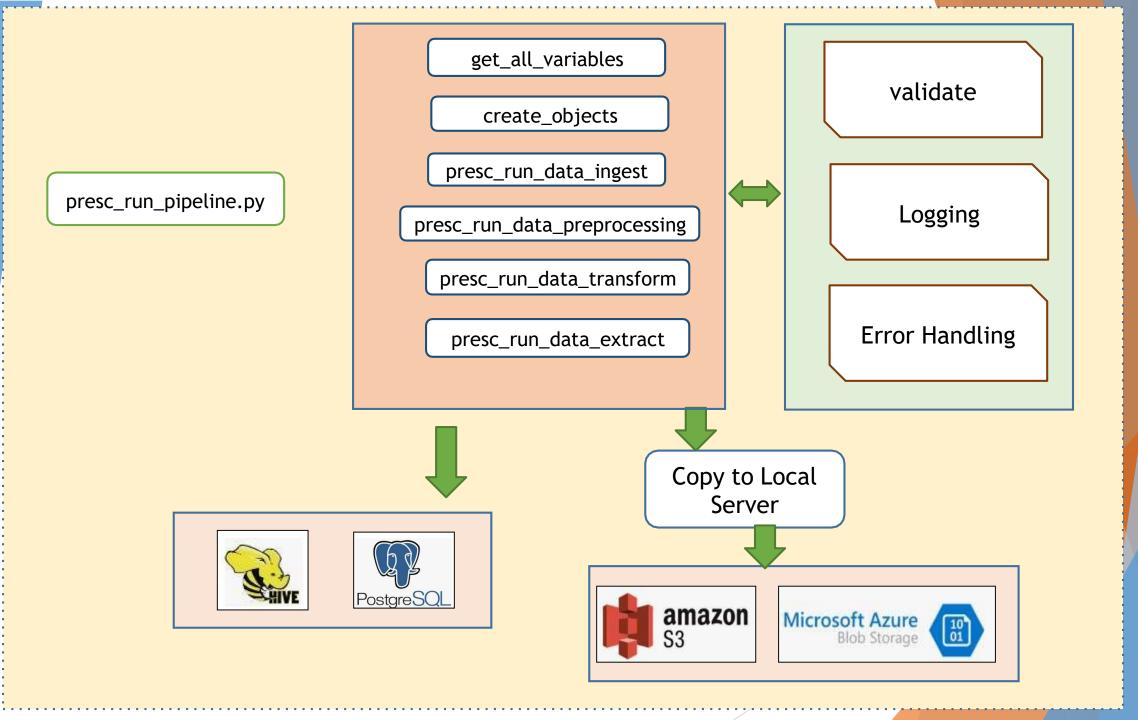
### Transfer







Project Flow (Code Level)



Do not report city if No Prescriber Is Assigned

Calculate the Number of Zips in each City

### Cities

Calculate the total TRX\_CNT for each city

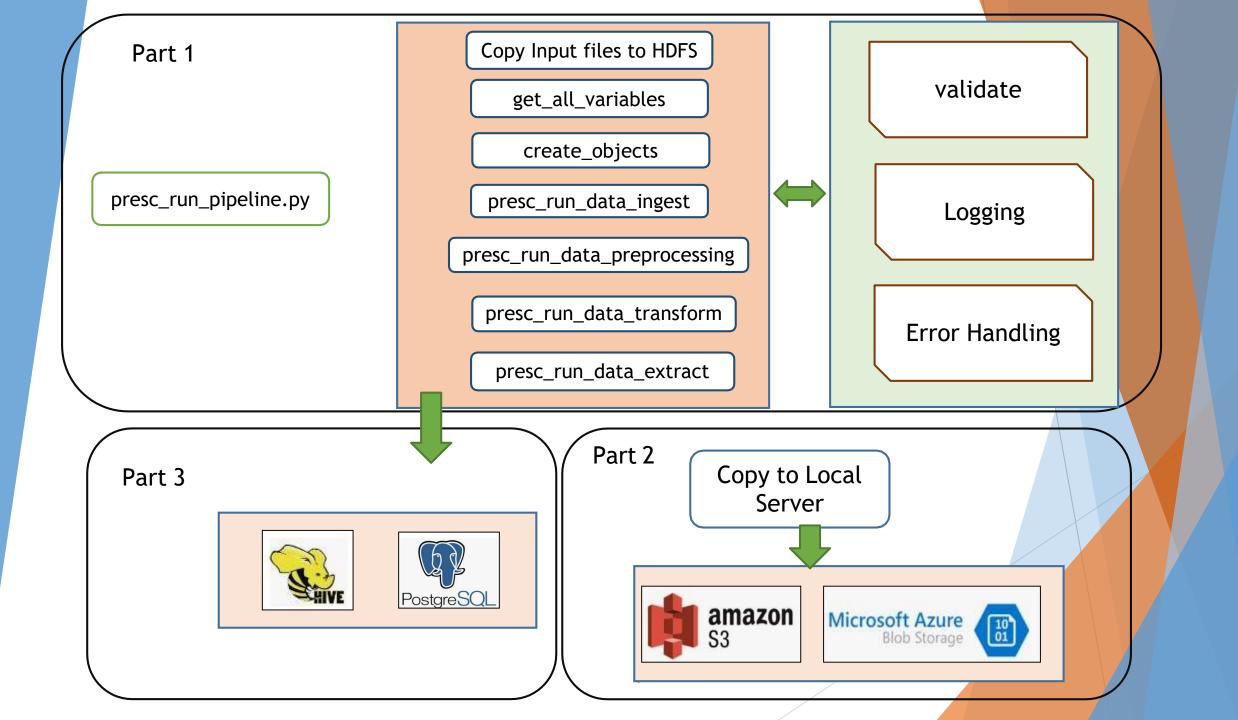
Calculate the Number of Distinct Prescribers assigned to each City

Apply a filter to consider the prescribers only from 20 to 50 years of experience

## Prescriber Report

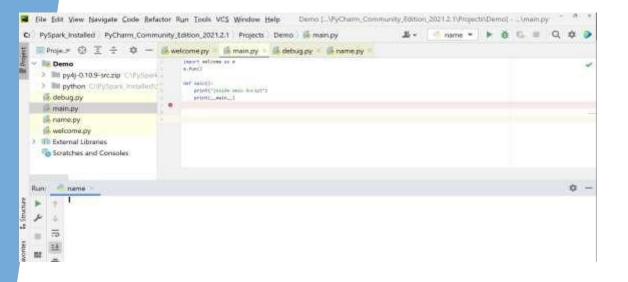
Rank the Prescribers based on their TRX\_CNT for each state.

Select top 5 prescribers from each state.

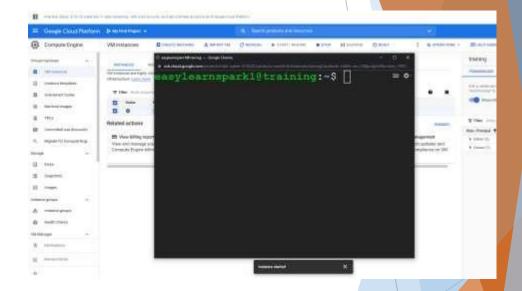


## Project Approach

# Test and Debug at Windows PyCharm



# Deployment at Single Node Cluster



#### Download City Dimension File at below Link:

https://prescpipeline.blob.core.windows.net/input-vendor-data/city/us\_cities\_dimension.parquet?st=2022-04-21T14:19:25Z&se=2022-12-31T22:19:25Z&si=read&spr=https&sv=2020-08-04&sr=c&sig=wjY0KtPvyy%2BblpopBqMKAGmmSHsSvLhqL0n%2BBGFVX0Q%3D

#### Download Prescriber Fact File at below Link:

https://prescpipeline.blob.core.windows.net/input-vendor-data/presc/USA Presc Medicare Data 2021.csv?st=2022-04-21T14:19:257&se=2022-12-31T22:19:257&si=read&spr=https&sv=2020-08-04&sr=c&sig=wjY0KtPvyy%2BblpopBqMKAGmmSHsSvLhqL0n%2BBGFVXOQ%3D