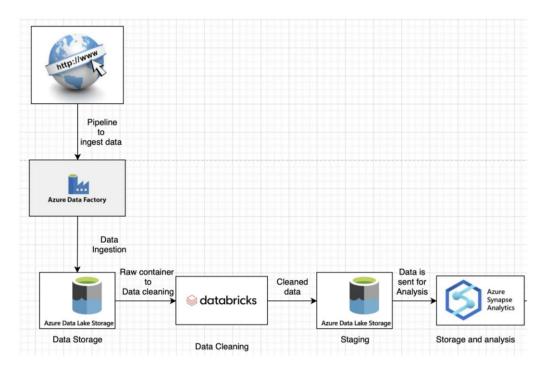
PROJECT-1

Sleep, Health and Life Style.

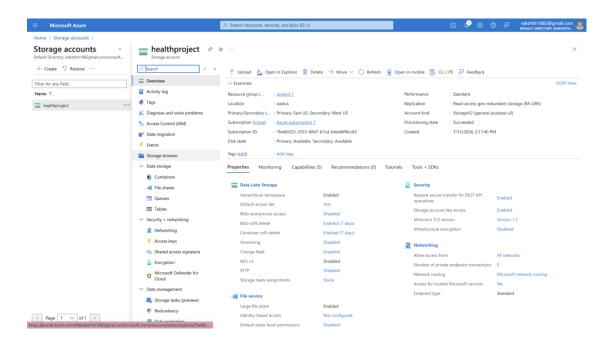
Steps followed:

- 1. Upload data to Storage account Raw Container
- 2. Setup Databricks
- a. Create data bricks workspace
- b. Create Azure Service Principal
- c. Grant access to ADLS Gen2
- d. Mount ADLS Gen2 in Databricks
- 3. Read the file to data bricks and perform any transformation
- 4. Load the data to Synapse Analytics
- 5. Perform Analysis using SQL in Synapse Analytics
- 6. Visualize using Power BI

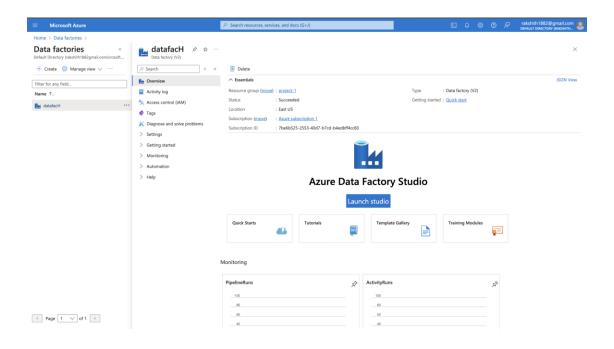
Architectural Diagram:



Create ADLS account:



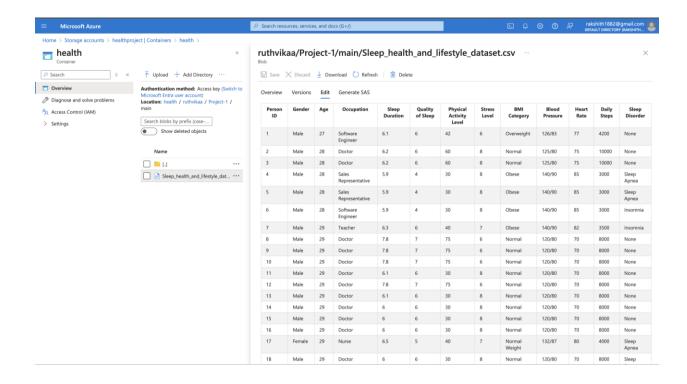
Create Data factory Account:



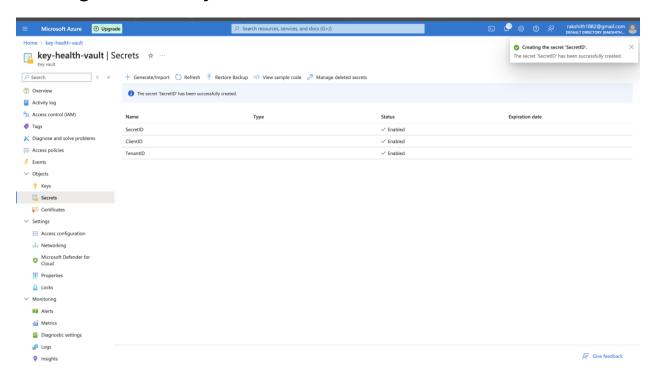
Creating a pipeline to copy data from GIT to ADLS:



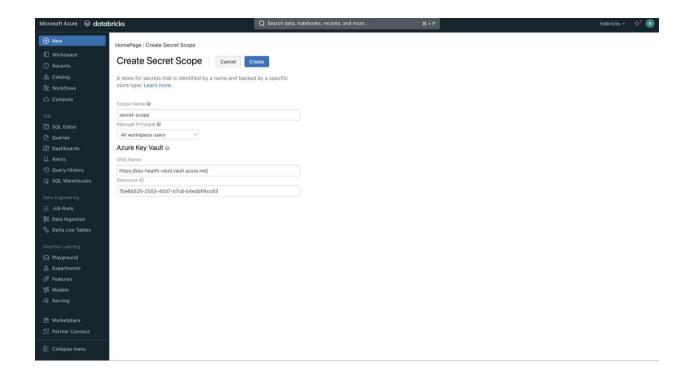
Ingested data:



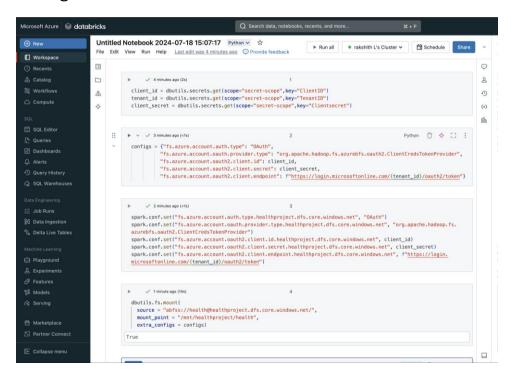
Creating Secrets in Key vault:



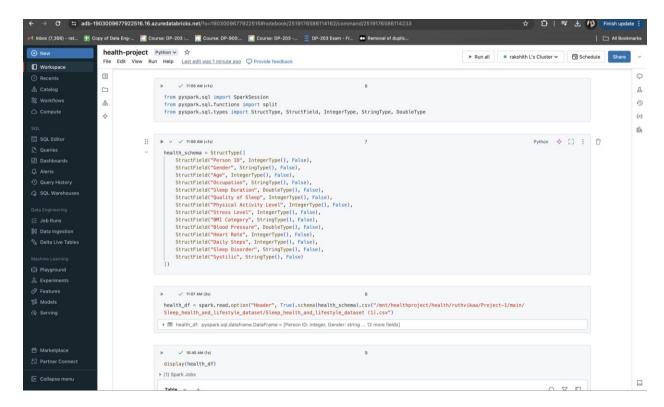
Creating secret scope:



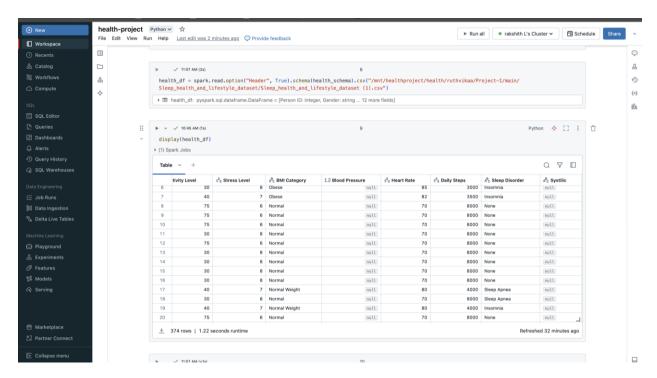
Configuration:



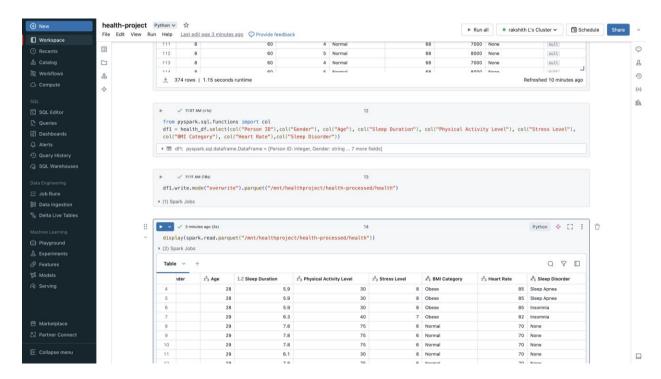
Define schema



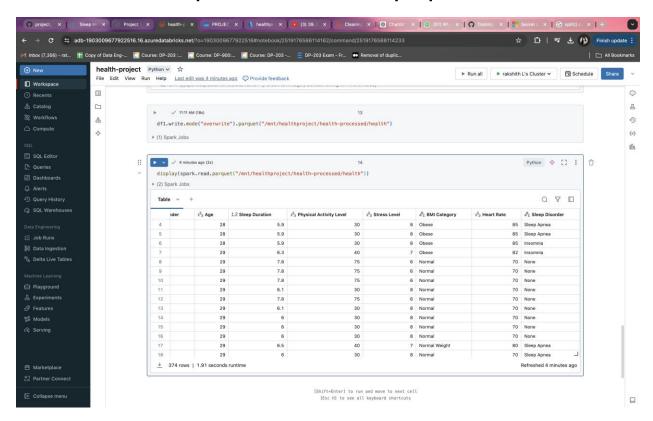
Read CSV File to Data bricks:



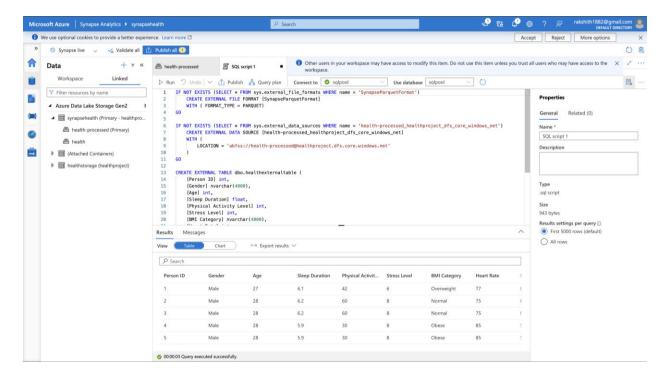
Selected Required Columns:



Wrote the file to adls processed container in parquet format:



Created a table in synapse



AGGREGATIONS:

