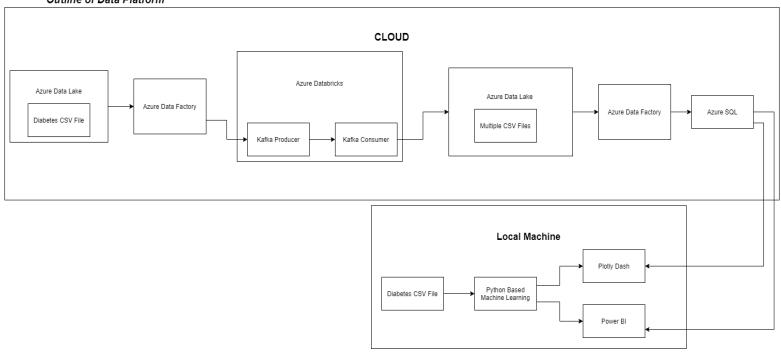
# **Data Platform**

#### Outline of Data Platform



## **STEPS**

#### Establishing Connection in the Cloud:

- 1. Store Diabetes CSV file in Data Lake.
- 2. Pull data from Data Lake containing CSV file into data factory. This is also known as ingesting data from source.

## Simulation of real time streaming of Data:

- 3. Establish connection between data factory and Producer/Consumer codes.
- 4. Run Producer and Consumer code in Azure Databricks.

#### Storing Data:

- 5. Store Consumer output as multiple small csv files in our Data Lake.
- 6. Load output CSV files into Azure SQL.

#### Analysis of Data:

7. Load visualizations and tables made in SQL into either Power BI or Plotly Dash.

# Building Machine Learning Model on Local Machine:

- 8. Open Diabetes CSV file.
- 9. Build machine learning model using python-based machine learning.
- 10.Load model visualizations into either Power BI or Plotly Dash