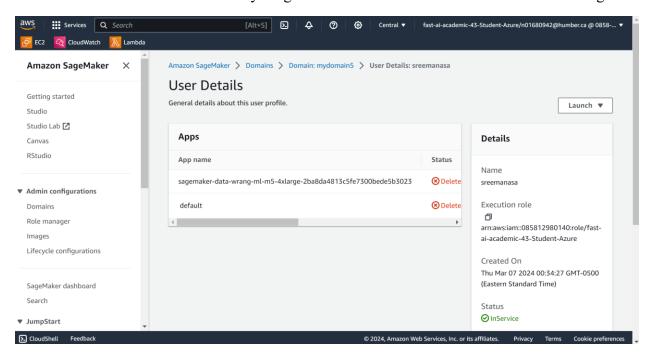
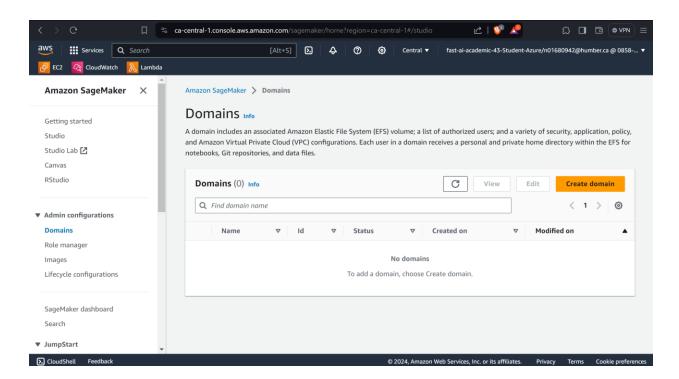
Assignment – 05

Make sure we are in central and everything Is deleted or shutdown and no instances running.





Introduction:

I choose a dataset named salaries.csv which is uncleaned and uploaded it to S3 bucket in MyApps.

Then we create a domain in Amazon SageMaker then we land into a page seen as SageMaker Studio classic.

By opening the data wrangler, we create a data flow shown below where we get the insights of each step we have gone through while performing data analysis.

We import data from S3 bucket. Always when creating a new domain or creaking the bucket we have to ensure that we are in central region.

Data Flow:

DI(Data Quality and Insights report)

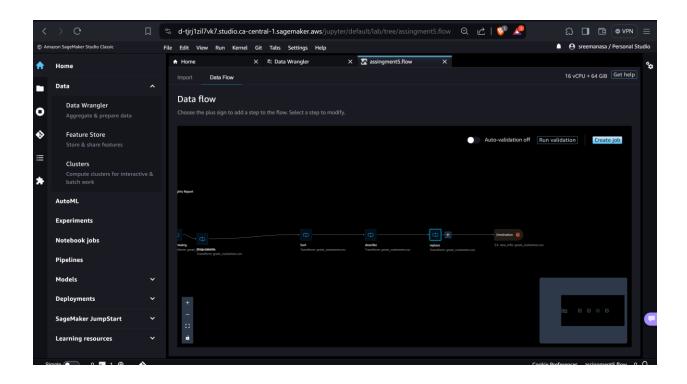
Data Analysis Performed:

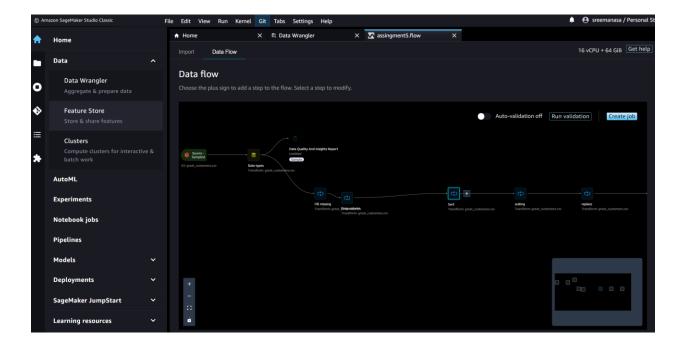
- 1. Fill Missing values
- 2. Drop Columns
- 3. Sort the Dataset according to userId in ascending.
- 4. Describe the dataset using describe().
- 5. Replace(custom): Replaced the column Name from salary to Payment.

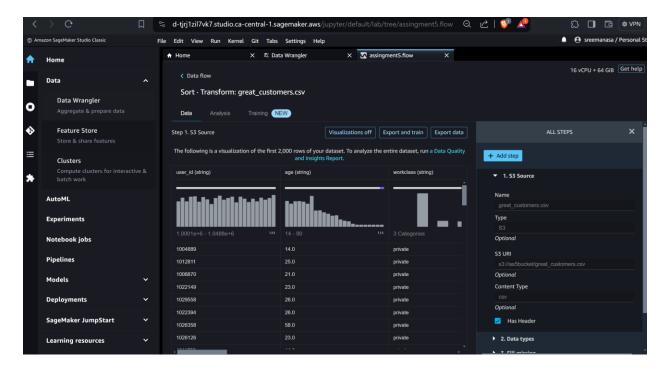
import pandas as pd

df.rename(columns={'salary': 'Payment'}, inplace=True)

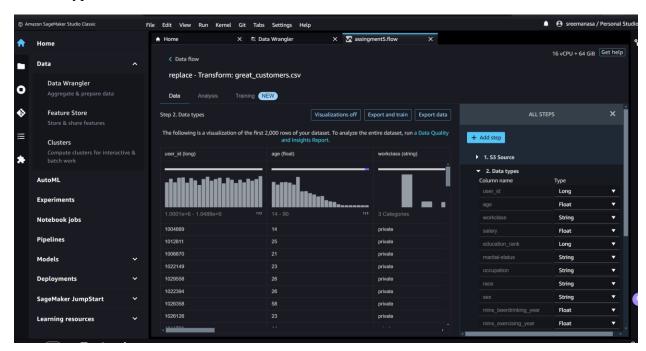
After completing the data analysis, we save the flow in destination in s3 bucket.



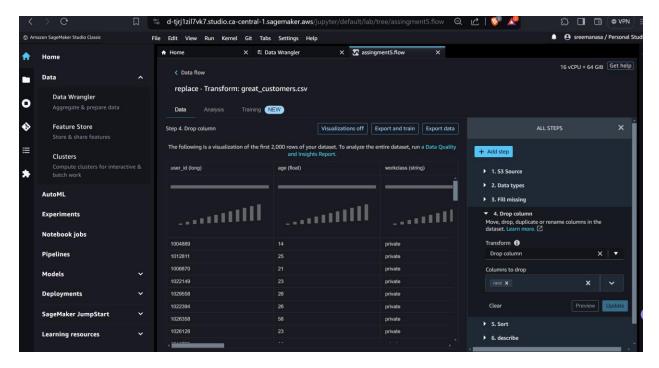




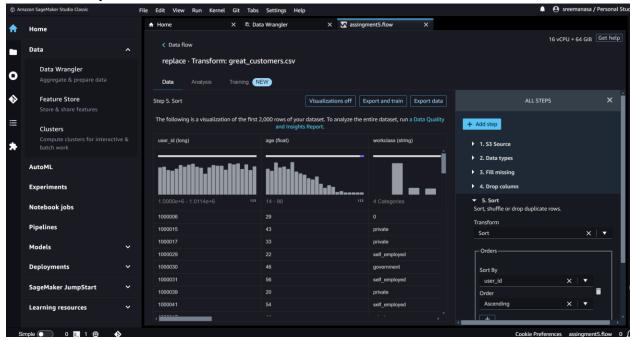
2. Data Types



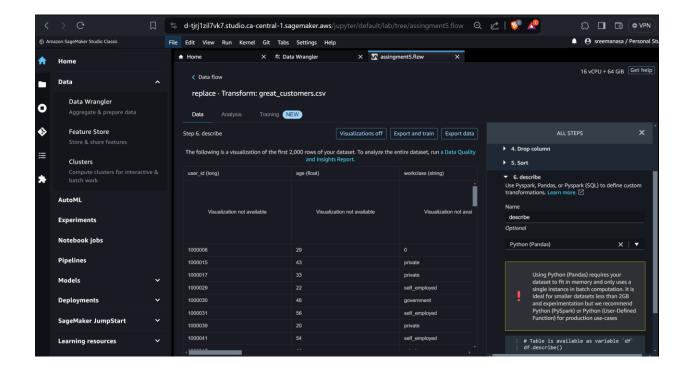
3. Drop Columns



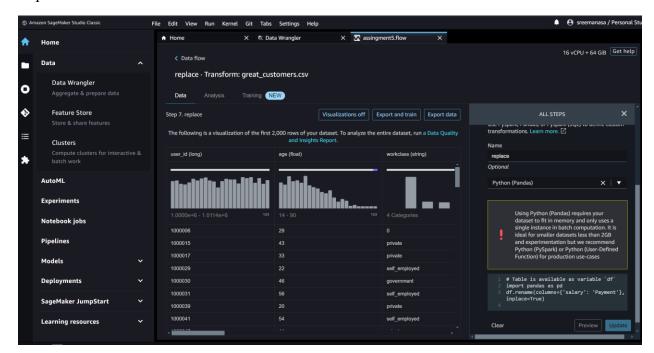
4. Sort Data by userId



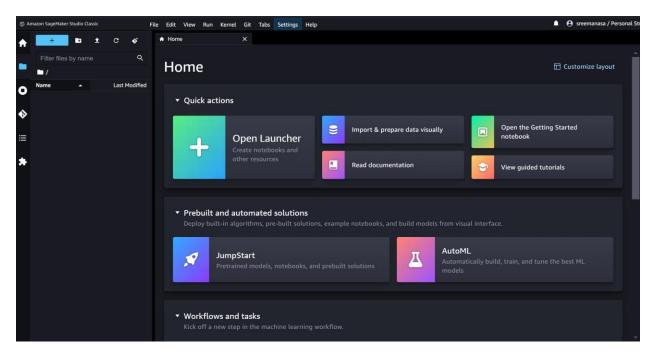
5. Describe



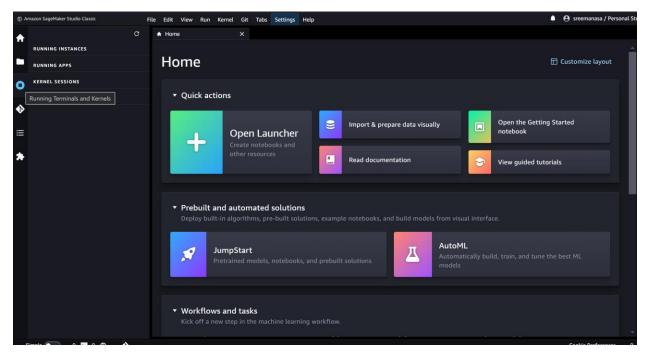
Replace



Deleted the Wrangler flow: As we have created a flow, once we use it, we have to make sure to delete the files from the folder and shut down all the kernels.



No running Terminals:



As we have used the domain, We need to delete them in order to consume less credits.