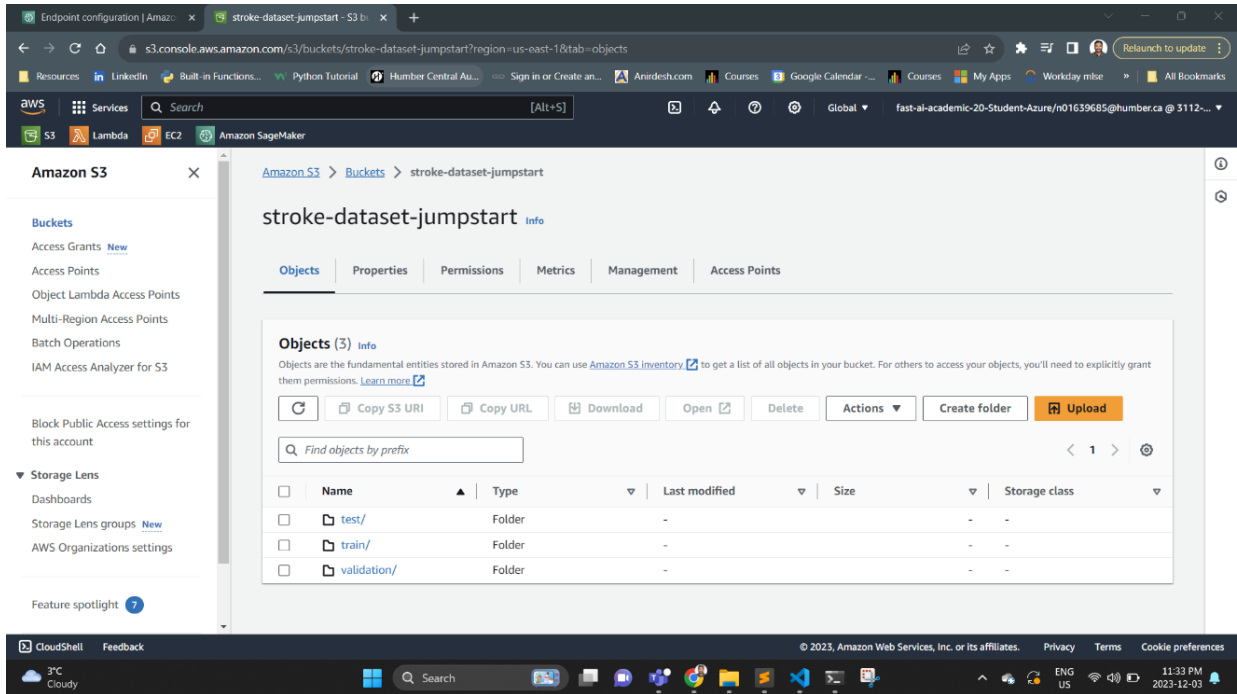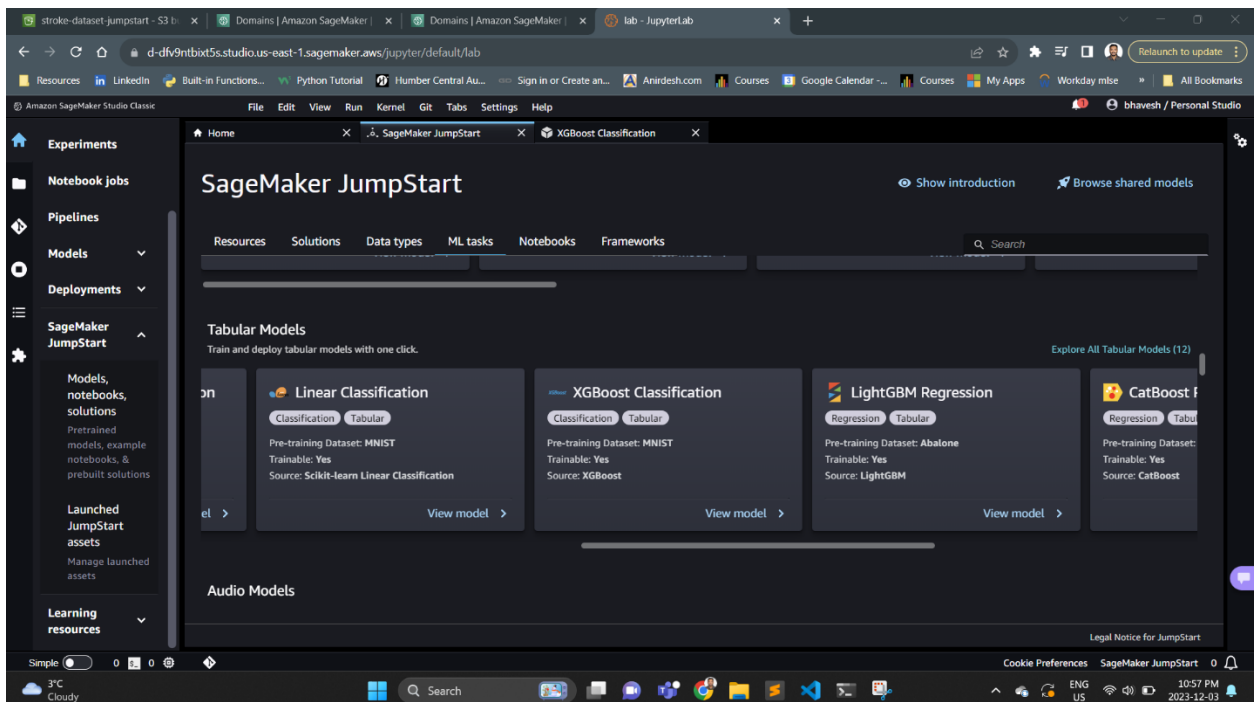# Assignment 9 – JumpStart in Sage Maker

1. Creating S3 bucket and folders of train, validation and test and place respective data.csv file into those folders.



2. Creating Domain and Launch SageMaker - Model Selection from the list of models in JumpStart

3. Select XGBoost Classification Model form Jumpstart - Predicting Stroke in the health dataset.



4. Select the configuration and Start the Training Job. Check in the Training Tab for Job Status.

5.  Training Job Completed in SageMaker Studio



6.  Check for Model Creation Endpoint Configuration and Endpoint Created.

Endpoint configuration | Amazon

us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/endpointConfig

Relaunch to update

Resources   LinkedIn   Built-in Functions...   Python Tutorial   Humber Central Au...   Sign in or Create an...   Anirdesh.com   Courses   Google Calendar -...   Courses   My Apps   Workday mlse   »   All Bookmarks

aws   Services   Search   [Alt+S]   N. Virginia ▾   fast-ai-academic-20-Student-Azure/n01639685@humber.ca @ 3112-... ▾

S3   Lambda   EC2   Amazon SageMaker

Amazon SageMaker  >  Endpoint configuration

## Endpoint configuration

Apply to endpoint   Clone   Actions ▾   Create endpoint configuration

Search endpoint configuration

< 1 >

| | Name ▽ | ARN | Creation time ▽ |
|---|---|---|---|
| ● | jumpstart-ftc-xgb-classification-model | arn:aws:sagemaker:us-east-1:311247560489:endpoint-config/jumpstart-ftc-xgb-classification-model | 12/3/2023, 11:18:10 PM |
| ○ | DEMO-xgboost-endpoint-config-2023-11-14-07-12-20 | arn:aws:sagemaker:us-east-1:311247560489:endpoint-config/demo-xgboost-endpoint-config-2023-11-14-07-12-20 | 11/14/2023, 2:12:20 AM |
| ○ | xgboost-serverless-epc2023-11-14-03-49-52 | arn:aws:sagemaker:us-east-1:311247560489:endpoint-config/xgboost-serverless-epc2023-11-14-03-49-52 | 11/13/2023, 10:49:53 PM |
| ○ | DEMO-linear-endpoint-config-2023-11-14-03-47-00 | arn:aws:sagemaker:us-east-1:311247560489:endpoint-config/demo-linear-endpoint-config-2023-11-14-03-47-00 | 11/13/2023, 10:47:00 PM |

models
▶ Governance
▶ HyperPod Clusters
▶ Ground Truth
▶ Notebook
▶ Processing
▼ Training
  Algorithms
  Training jobs
  Hyperparameter tuning jobs
▼ Inference
  Compilation jobs
  Marketplace model packages
  Models
  Endpoint configurations
  Endpoints
  Batch transform jobs
  Shadow tests
  Inference Recommender

CloudShell   Feedback

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3°C Cloudy   Q Search   ENG US   11:21 PM 2023-12-03

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Endpoints | Amazon SageMaker

us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/endpoints

Relaunch to update

Resources   LinkedIn   Built-in Functions...   Python Tutorial   Humber Central Au...   Sign in or Create an...   Anirdesh.com   Courses   Google Calendar -...   Courses   My Apps   Workday mlse   »   All Bookmarks

aws   Services   Search   [Alt+S]   N. Virginia ▾   fast-ai-academic-20-Student-Azure/n01639685@humber.ca @ 3112-... ▾

S3   Lambda   EC2   Amazon SageMaker

Amazon SageMaker  >  Endpoints

## Endpoints

Update endpoint   Actions ▾   Create endpoint

Search endpoints

< 1 >

| | Name ▽ | ARN ▽ | Creation time ▽ | Status ▽ | Last updated ▽ |
|---|---|---|---|---|---|
| ○ | jumpstart-ftc-xgb-classification-model | arn:aws:sagemaker:us-east-1:311247560489:endpoint/jumpstart-ftc-xgb-classification-model | 12/3/2023, 11:18:11 PM | ⊘ Creating | 12/3/2023, 11:18:11 PM |

models
▶ Governance
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CloudShell   Feedback

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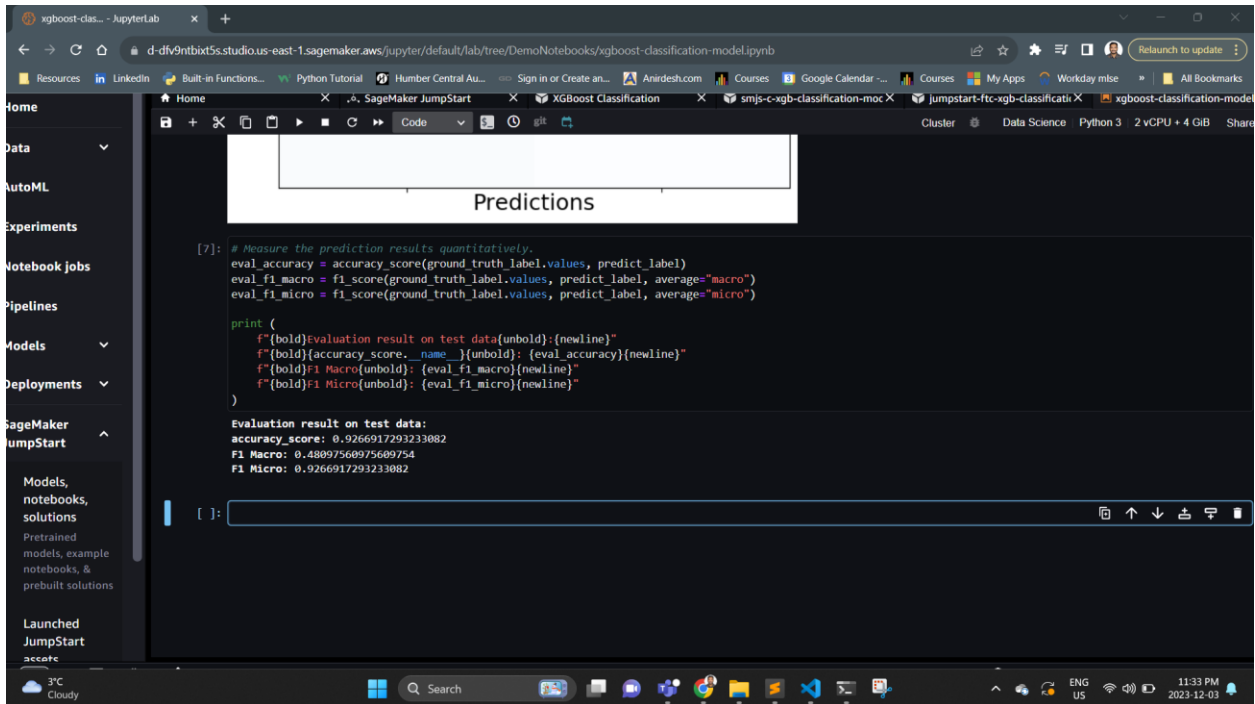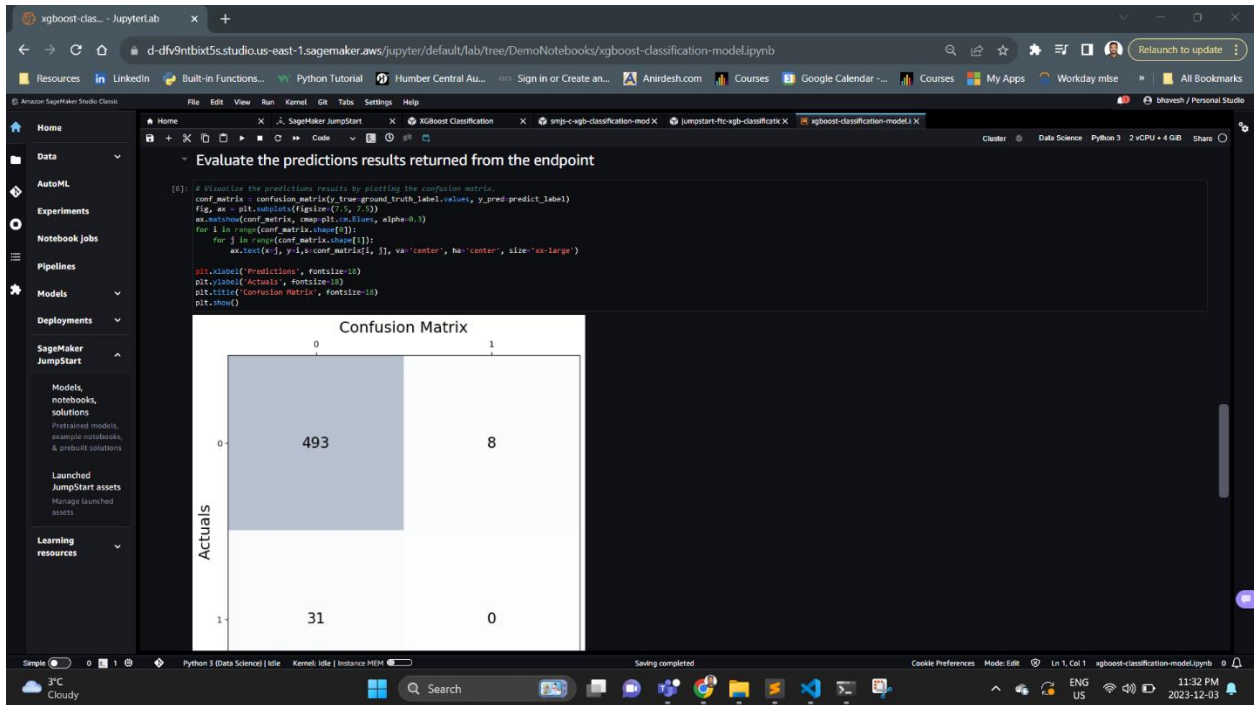
3°C Cloudy   Q Search   ENG US   11:19 PM 2023-12-03
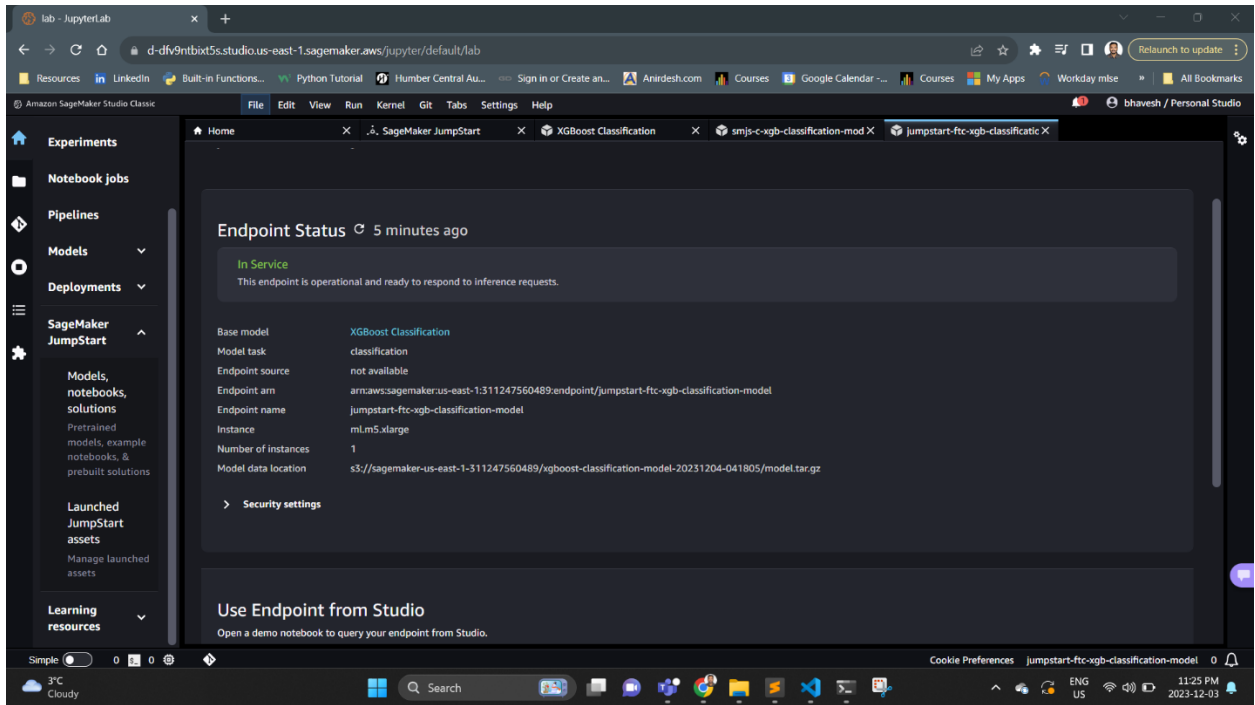
7. Invoke the endpoint that was created to predict the test data.
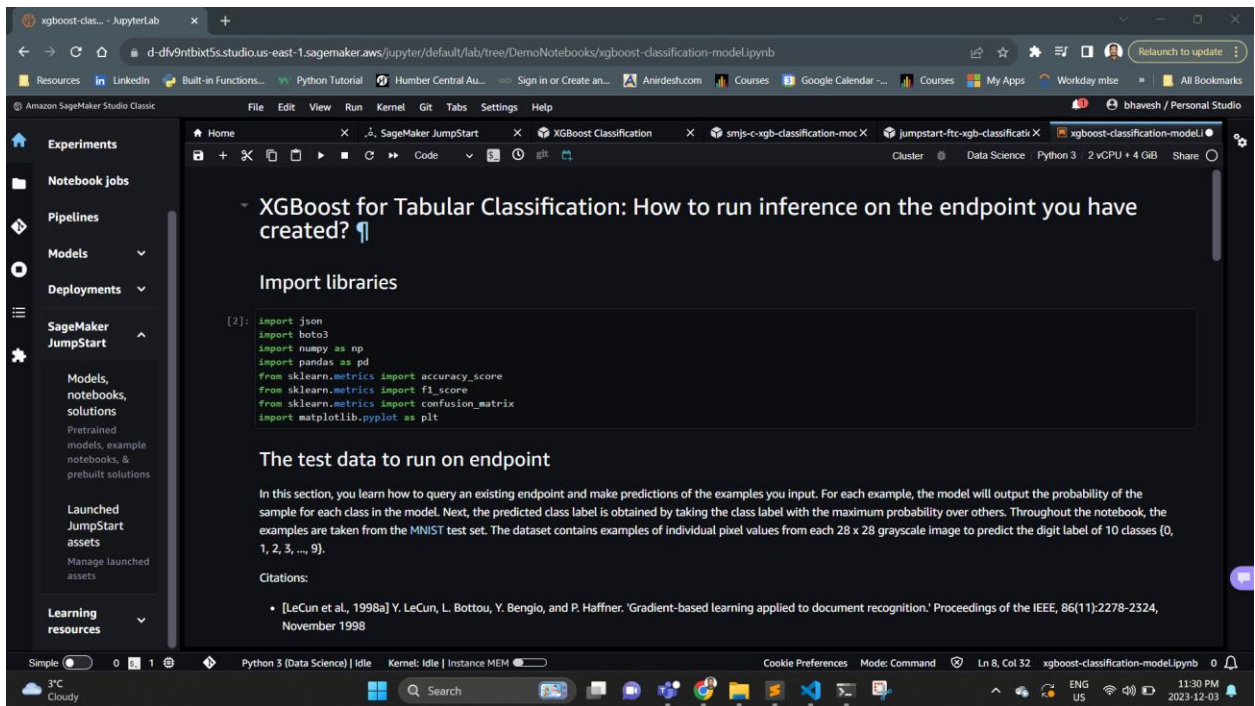
8. Predict the results and share feedback.





Observations: The Accuracy that was predicted by the model is 0.92.