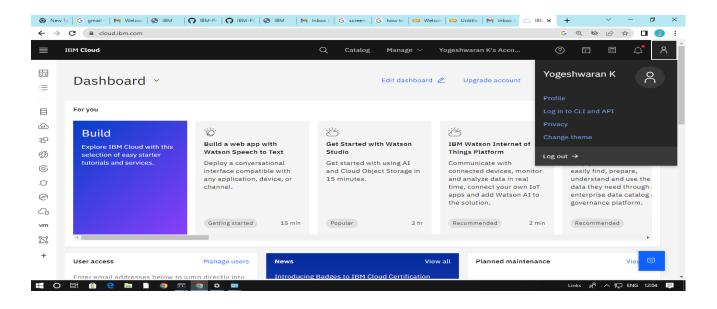
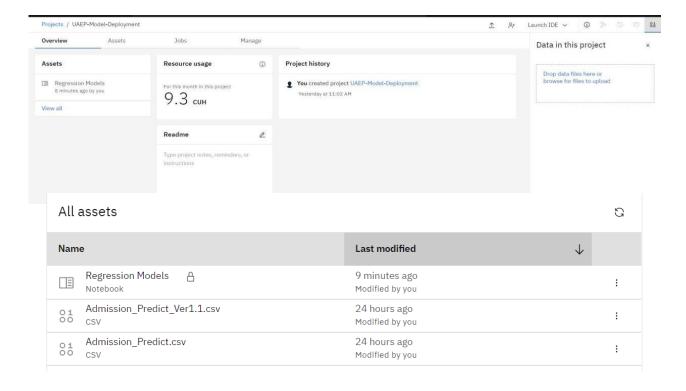
Training ML Model on IBM Watson

TEAM ID: IBM-Project-38812-1660385603

PROJECT: University Admit Eligibility Predictor

i) Setting up Watson Studio for running Jupyter notebooks

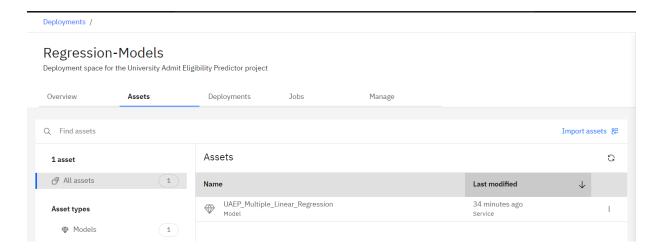




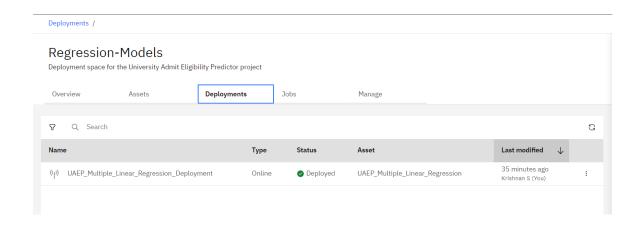
| ii) | Training and saving the model in IBM Watson Machine Learning Service |
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PERSISTING THE MULTIPLE LINEAR REGRESSION MODEL AND DEPLOYING IT IN IBM CLOUD

Assets:



Deployments:



iii) Testing the created model using the API created for the deployedmodel:

```
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "<*our-API_Key>"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
API_KEY, "grant_type": 'unrnibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]
header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = ("input_data": [("field": [["GRE Score", "TOEFL Score", "University Rating", "SOP", "LOR ", "CGPA", "Research"]], "values": [[326, 110, 2, 3.5, 4, 9.23, 1]]}}}
response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/uaep_deployment/predictions?version=2022-11-12', json=payload_scoring, headers=["Authorization": 'Bearer ' + mltoken})
print("Scoring response")
print("response_scoring.json())

Scoring response
{'predictions': ['fields': ['prediction'], 'values': [[[0.8448151378927107]]]}}}
```