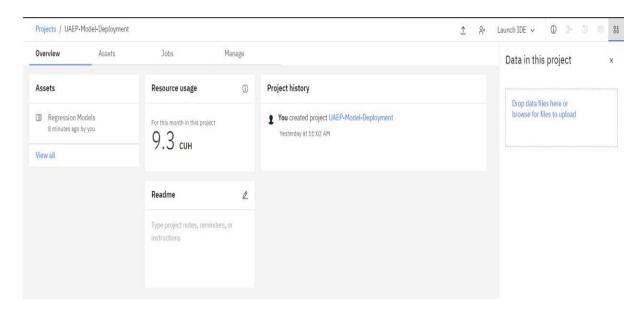
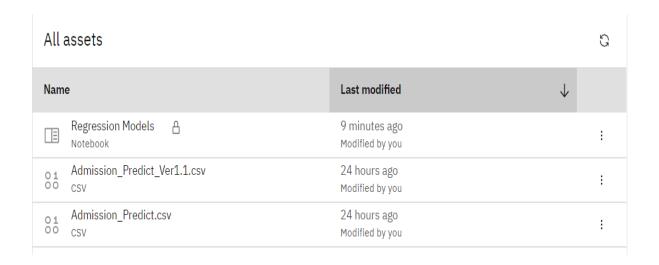
### **Training ML Model on IBM Watson**

**TEAM ID: PNT2022TMID07488** 

**PROJECT:** University Admit Eligibility Predictor

### 1)Setting up Watson Studio for running Jupyter notebooks

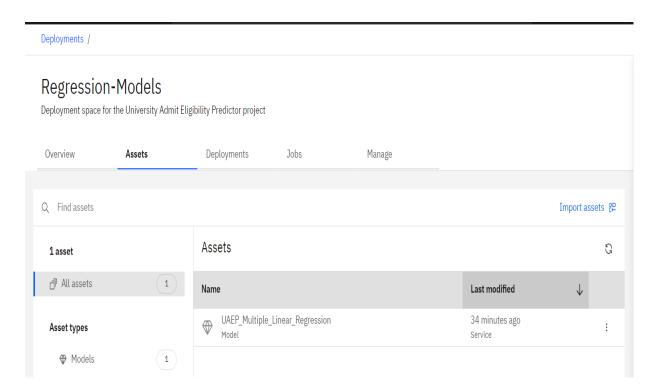




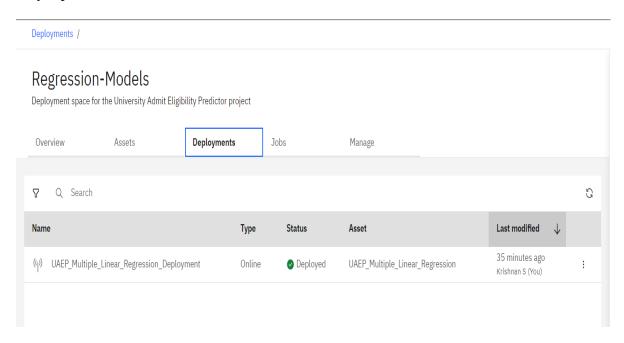
# 2)Training and saving the model in IBM Watson Machine LearningService

#### PERSISTING THE MULTIPLE LINEAR REGRESSION MODEL AND DEPLOYING IT IN IBM CLOUD

#### Assets:



#### **Deployments:**



## 3)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 = "<Your-API_Key>"
token response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
API_KEY, "grant_type": 'urn:ibm: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("scoring response")
print(response_scoring.json())
Scoring response
{'predictions': {'frediction'], 'values': [[[0.8448151378927107]]]}}}
```