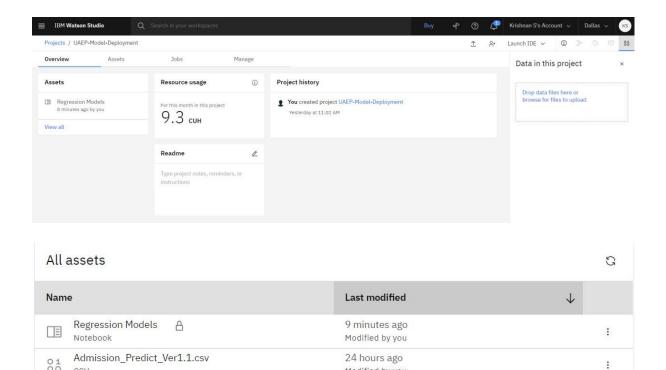
## **Training ML Model on IBM Watson**

**TEAM ID: PNT2022TMID27078** 

**PROJECT:** University Admit Eligibility Predictor

i) Setting up Watson Studio for running Jupyter notebooks



Modified by you

24 hours ago

Modified by you

:

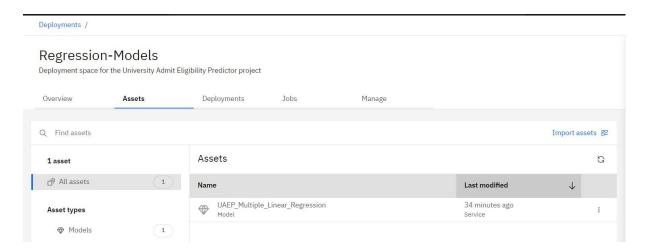
ii) Training and saving the model in IBM Watson Machine Learning Service

Admission\_Predict.csv

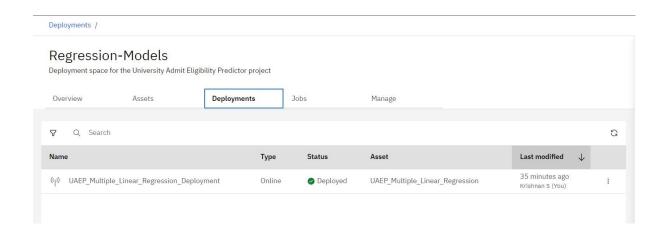
01

#### 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 deployed model:

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

#*MOTE: 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': [{'fields': ['prediction'], 'values': [[[0.8448151378927107]]]}}}}
```