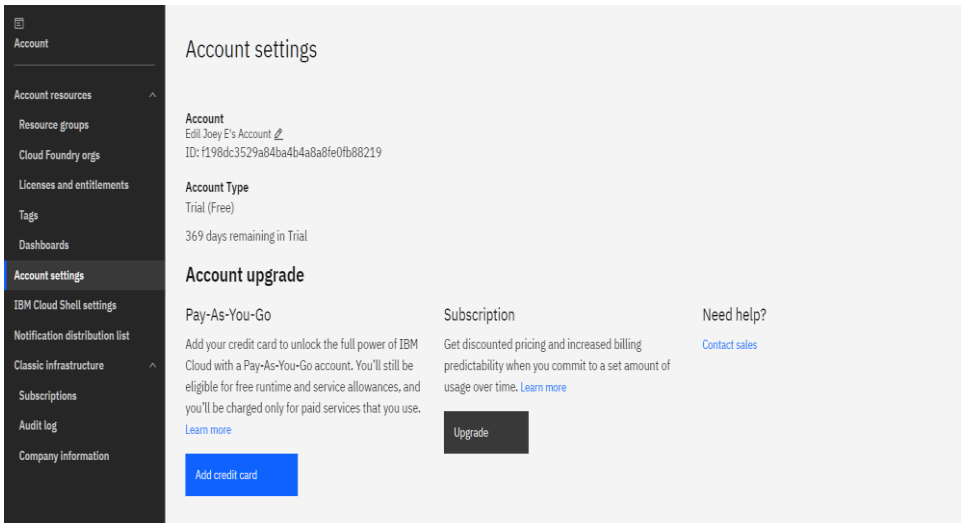
Project Development Phase

Sprint-4

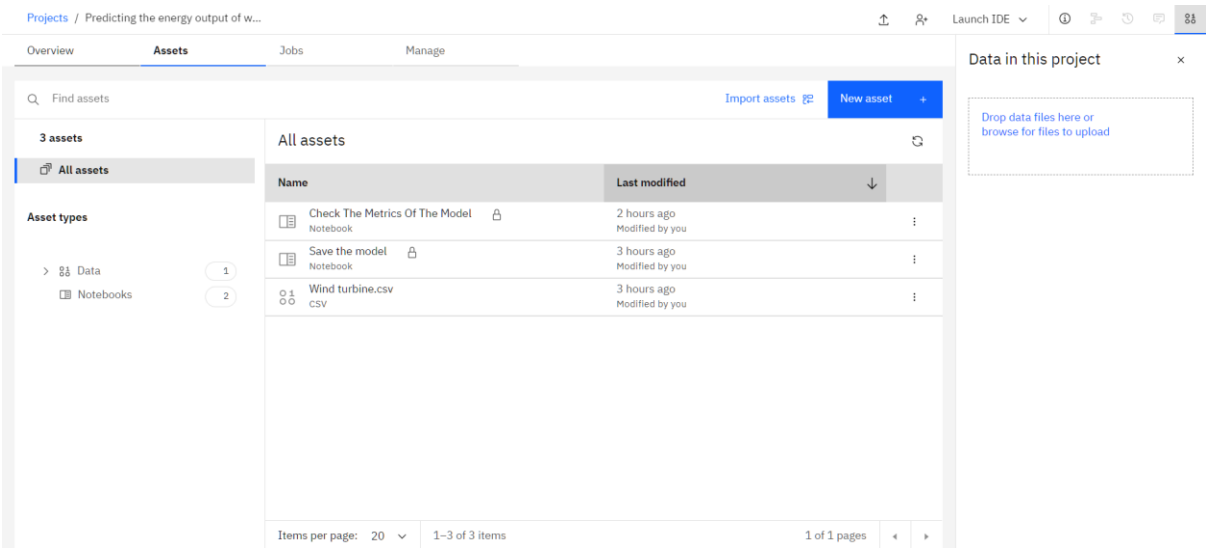
Model Building

Date	17-11-2022
Team ID	PNT2022TMID34159
Project	Predictiong th energy output of wind turbine based on weather condition

Register For IBM Cloud



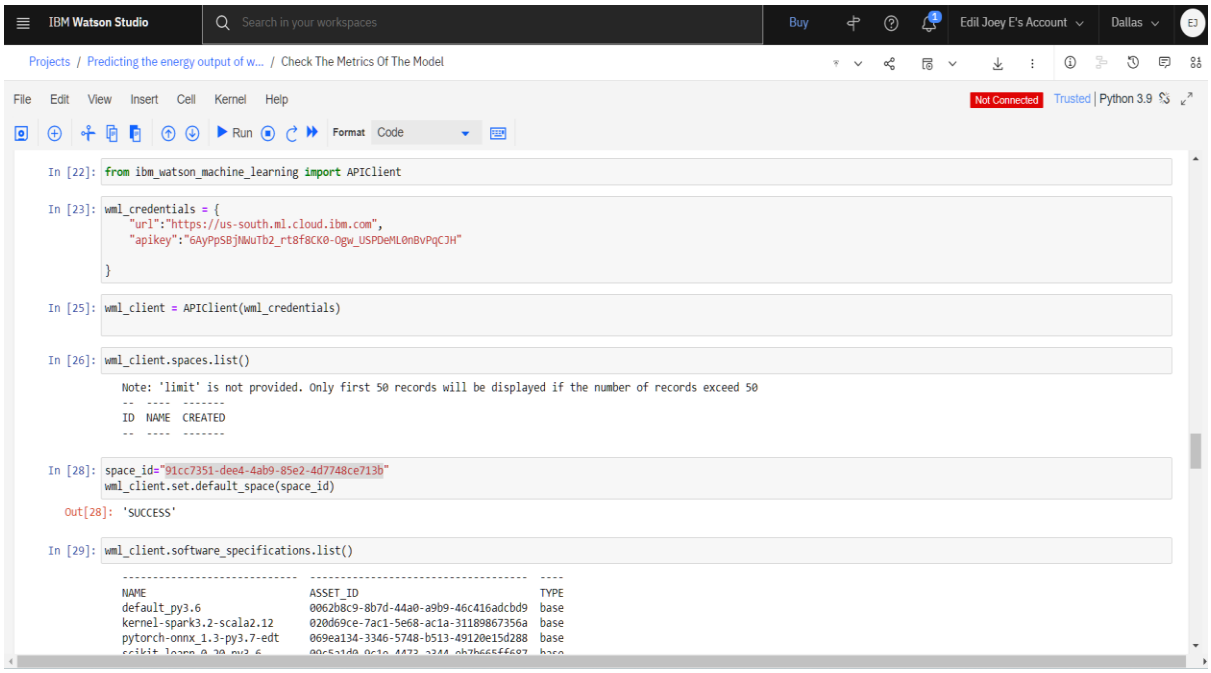
Train The ML Model On IBM



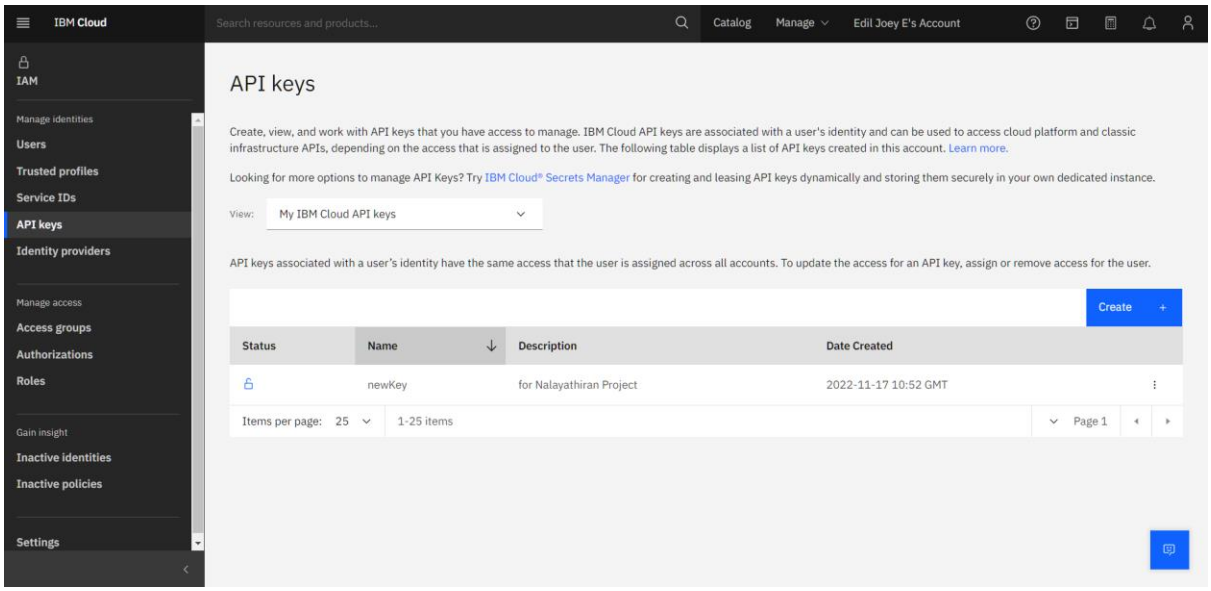
Loading the dataset in IBM cloud

```
import os, types
import pandas as pd
from botocore.client import Config
import ibm_boto3

def __iter__(self): return 0

# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove those credentials before you share the notebook.
cos_client = ibm_boto3.client(service_name='s3',
    ibm_api_key_id='Z4ZuC9Xb08iW00mbozzdDeCgUd77ECzvpGl6l37wKjA0',
    ibm_auth_endpoint="https://iam.cloud.ibm.com/oidc/token",
    config=Config(signature_version='oauth'),
    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

bucket = 'predictingtheenergyoutputofwindtu-donotdelete-pr-hba2rrilk1rlwt'
object_key = 'Wind turbine.csv'

body = cos_client.get_object(Bucket=bucket,Key=object_key)['Body']
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

df= pd.read_csv(body)
df.head()
```

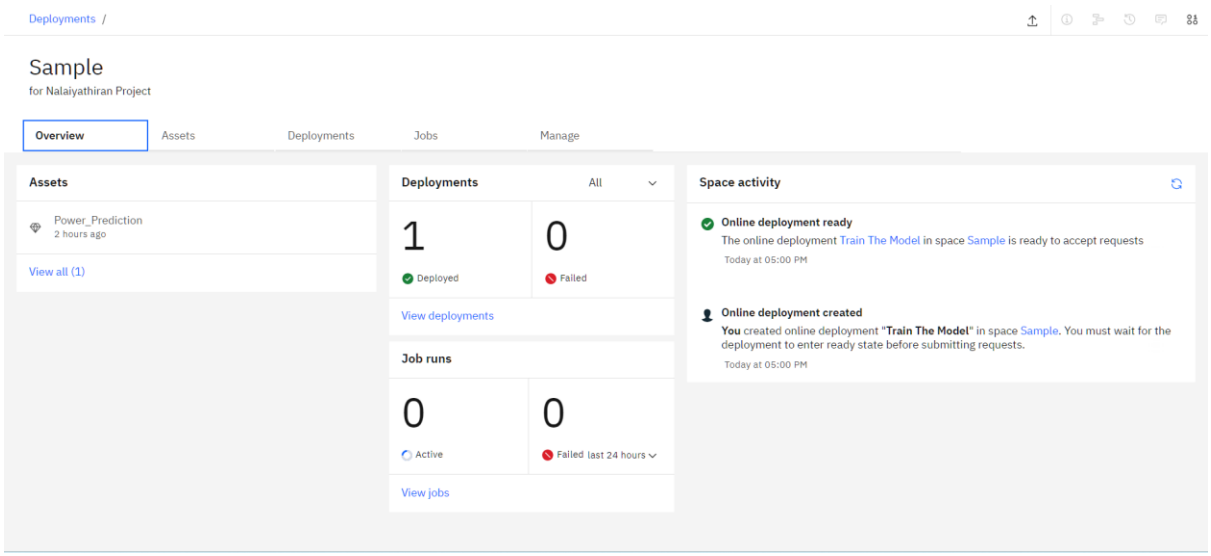
Working on Watson Studio with Model in IBM Cloud



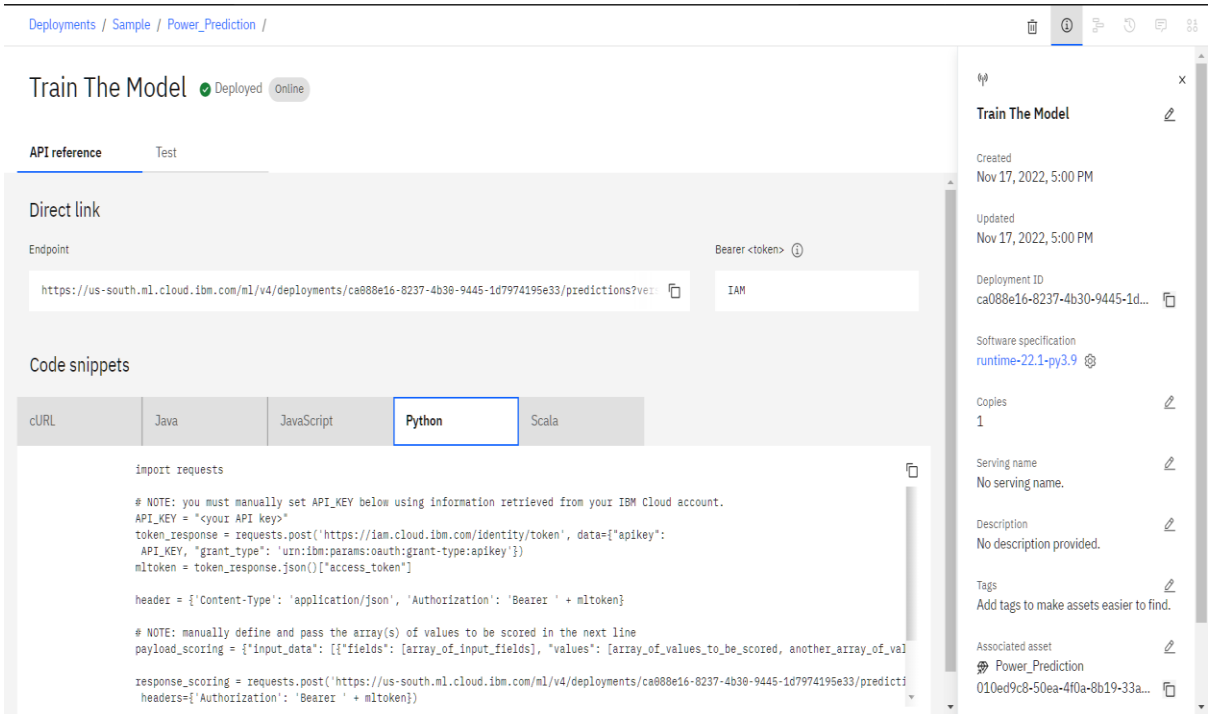
Getting API Key



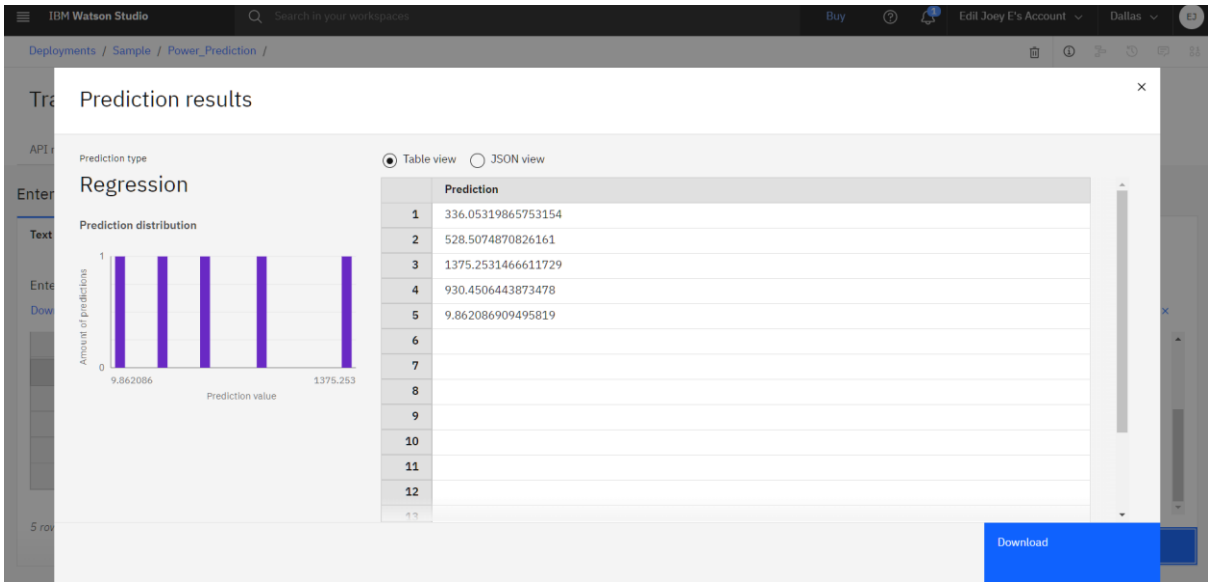
Deployment in IBM Cloud



API Reference In Deployments



Results for the Model in IBM Cloud



Results for the Model in IBM Cloud in JSON view