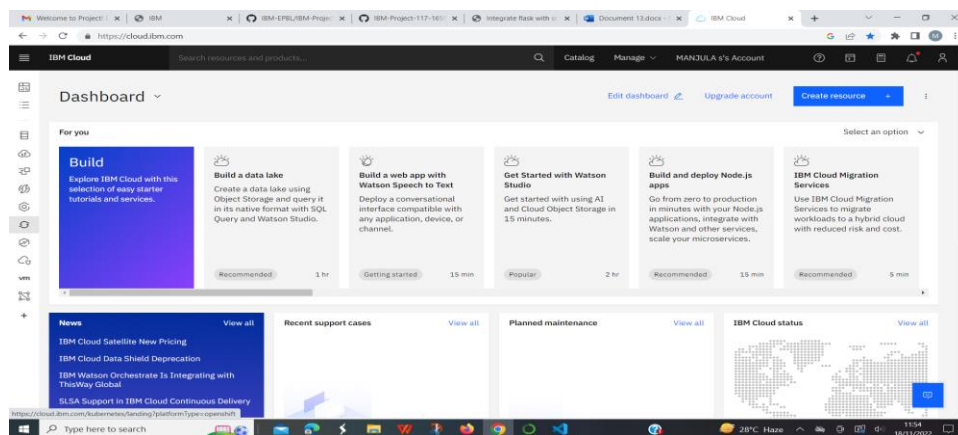


## Train the model on the IBM

Team ID	PNT2022TMID10667
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval

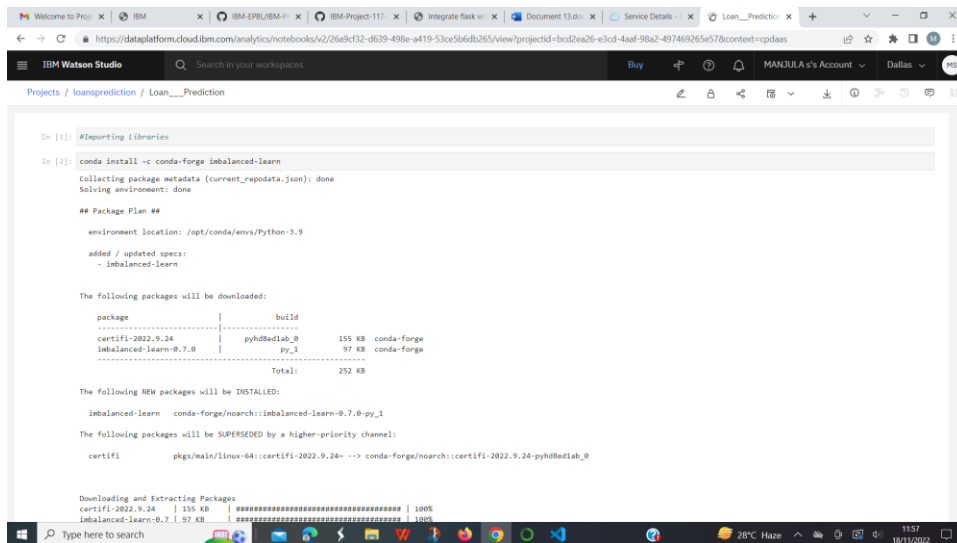
Step1: Open the IBM cloud



Step 2: create the Waston service

Step 3: create a new project for the deploying the loan prediction

Step 4: Upload the loan\_prediction.ipynb file to train the model on the IBM cloud using the API key



```
In [1]: #Reporting Libraries

In [2]: conda install -c conda-forge imbalanced-learn
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: /opt/conda/envs/Python-3.9
  added / updated specs:
    - imbalanced-learn

The following packages will be downloaded:

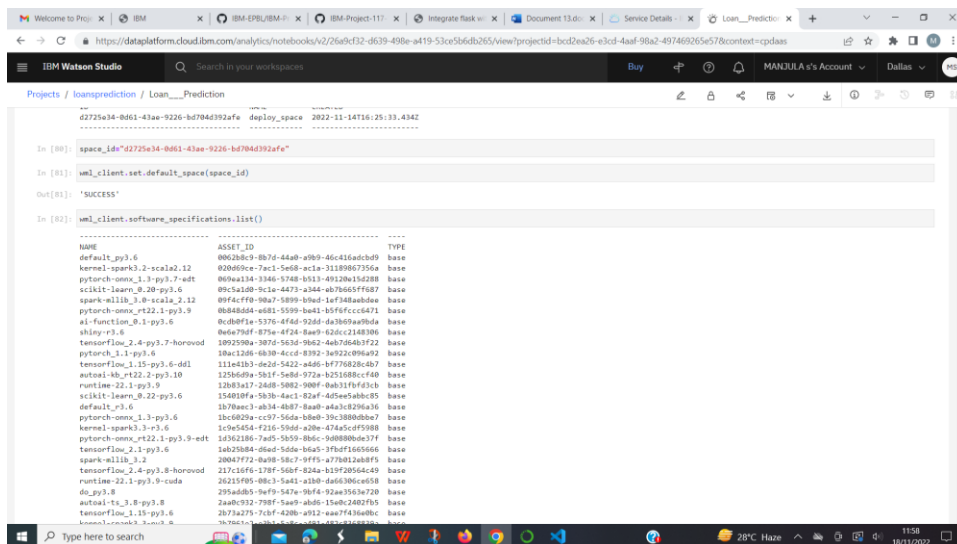
package | build | size | channel
-----|-----|-----|-----
certifi-2022.9.24 | pyh8b6400c_0 | 155 KB | conda-forge
imbalanced-learn-0.7.0 | py_1 | 97 KB | conda-forge
Total: 252 KB

The following NEW packages will be INSTALLED:
imbalanced-learn conda-forge/noarch::imbalanced-learn-0.7.0-py_1

The following packages will be SUPERSEDED by a higher-priority channel:
certifi pkgs/main/linux-64::certifi-2022.9.24- --> conda-forge/noarch::certifi-2022.9.24-pyh8b6400c_0

Downloading and Extracting Packages
certifi-2022.9.24 | 155 KB | ##### | 100%
imbalanced-learn-0.7.0 | 97 KB | ##### | 100%
```

Step 5: Train the model on the IBM cloud at least the deployed space created



```
d2725e34-0d61-43ae-9226-bd704d392afe deploy_space 2022-11-14T16:25:33.434Z

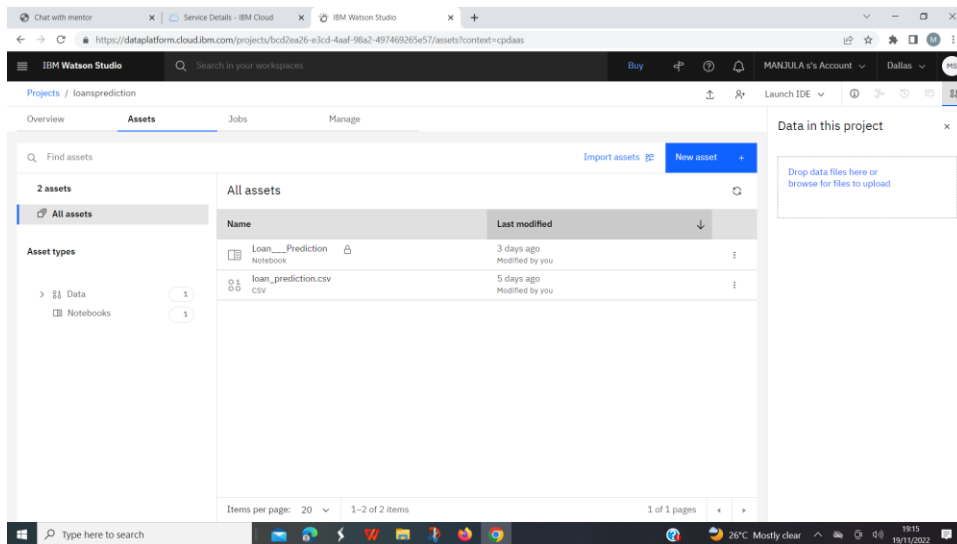
In [80]: space_id="d2725e34-0d61-43ae-9226-bd704d392afe"

In [81]: wml_client.set_default_space(space_id)

Out[81]: 'SUCCESS'

In [82]: wml_client.software_specifications.list()

-----
NAME | ASSET_ID | TYPE
-----|-----|-----
default_py3.6 | 00628b9-8b7d-44a0-a069-86c416adcb9 | base
kernel-gpu3.2-cccl2.12 | 020606a-7a1c-5e0b-ac1a-2118067356a | base
pytorch-omx_1.3-py3.7-edt | 069ea134-3346-5748-b513-49120a15d288 | base
scikit-learn_0.20-py3.6 | 09c5a10b-9c1a-4473-a344-ab70665ff687 | base
spark-mllib_3.0-cccl2.12 | 09f4cf0b-9a7a-5009-b0ed-5a7f0dadb0a | base
pytorch-omx_rt22.1-py3.9 | 08648d4d-a081-5599-ba41-b5f6fcc6471 | base
ai-function_0.1-py3.6 | 0cd09fa-5376-4f4d-926d-da3b09aa9da | base
sklearn-v3.8 | 0e079af-875a-4f2b-8a0b-03ac214d30b | base
tensorflow_2.4-py3.7-horovod | 1092590a-307d-563d-9662-4ab7064b3f22 | base
pytorch_1.1-py3.6 | 10ac1206-0b30-4ccd-8392-ba922c096a92 | base
tensorflow_1.15-py3.6-dl | 111e4183-0d2b-5422-a046-a770820a0b7 | base
autoai-ml_22.2-py3.10 | 125bd0fa-5b1f-5e0d-972a-b251608ccf40 | base
runtime-22.1-py3.9 | 12b3a17-2408-5082-900f-bab31f9f3cb | base
scikit-learn_0.22-py3.6 | 154010fa-307b-dac1-82af-ad5e5abcb5 | base
default_py3.6 | 1b70a0c3-ab34-4807-8a0b-a4ac8296a36 | base
pytorch-omx_1.3-py3.6 | 1bc6029a-c97-56da-b0e0-39c3800bba7 | base
kernel-gpu3.3-cccl2.12 | 1c9c5454-0216-596b-a20e-07a2c0f908b | base
pytorch-omx_rt22.1-py3.9-edt | 1d362186-7a05-5059-806c-9d0800de37f | base
tensorflow_2.4-py3.6 | 1ab25804-d6ed-56da-b6a5-3f0d7160566 | base
spark-mllib_3.2 | 20047752-0a0b-50c7-9f19-0770821a0b7 | base
tensorflow_2.4-py3.8-horovod | 217c16f6-170f-50f-824a-b19f20504c49 | base
runtime-22.1-py3.9-cuda | 26215f05-06c3-5a41-a3b0-d66330ce0e58 | base
dl_py3.8 | 295ad605-9af9-5470-90fa-02aa3563a720 | base
autoai-ts_3.8-py3.8 | 2a0b932-798f-5a0b-ad06-15a0c2402f05 | base
tensorflow_1.15-py3.6 | 2b73a275-7cbf-4200-a912-eaa7f43a0b0c | base
kernel-gpu3.3-cccl2.12 | 2b73a275-7cbf-4200-a912-eaa7f43a0b0c | base
```



After successfully training model, it will show the like this as given below

