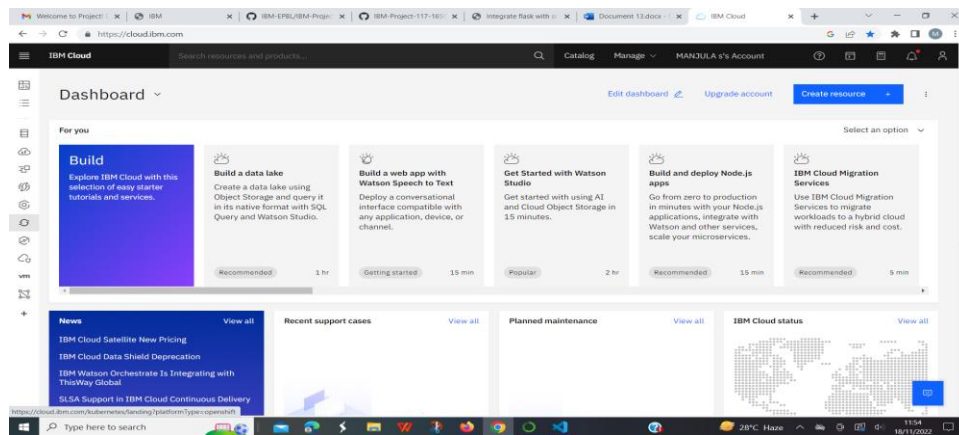


Train the model on the IBM

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

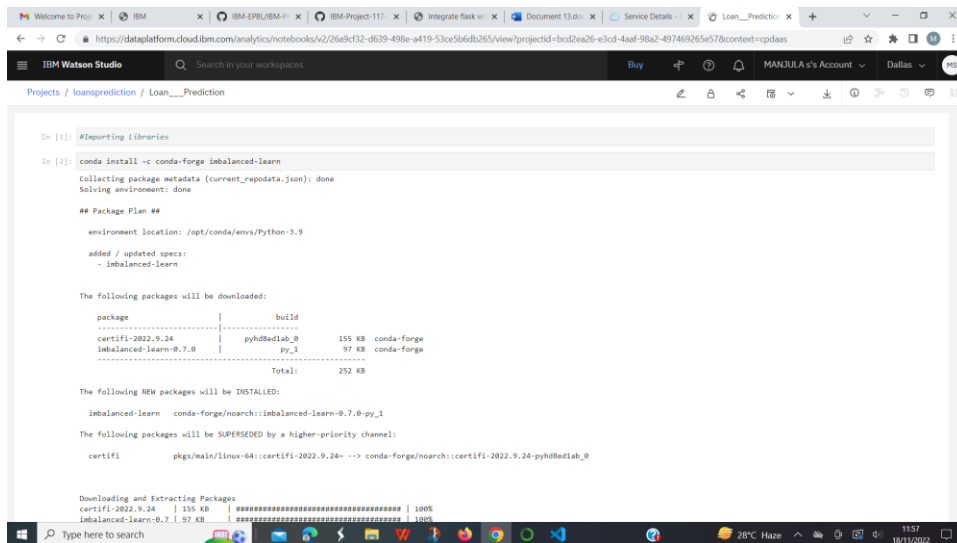
Step1: Open the IBM cloud



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:

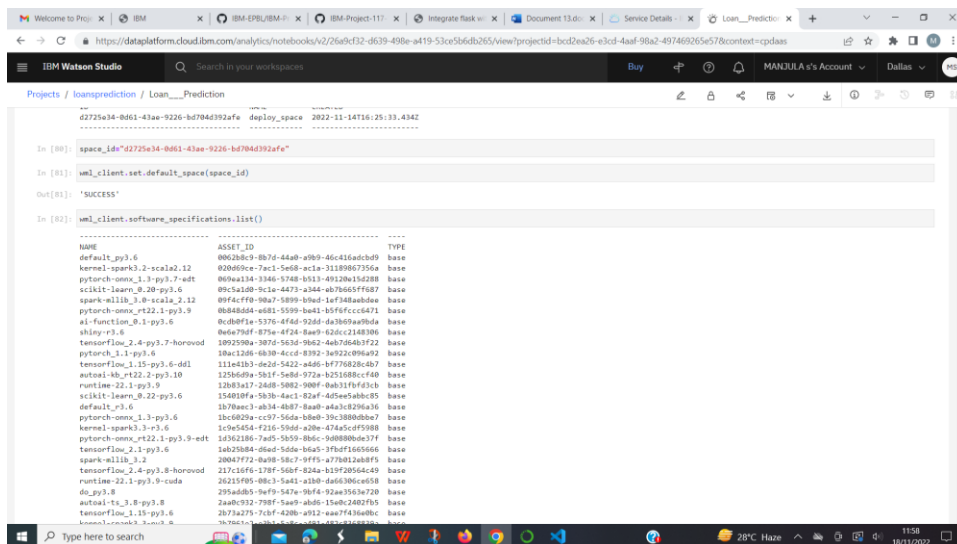
package | build | size | channel
-----|-----|-----|-----
certifi-2022.9.24 | pyhdf | 155 KB | conda-forge
imbalanced-learn-0.7.0 | py_1 | 97 KB | conda-forge
Total: 252 KB

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The following packages will be SUPERSEDED by a higher-priority channel: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-pyhdf

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-a0b9-86c416adcb9 base
kernel-gpu3.2-cccl2.12 020606a-7a1c-5e0b-ac1a-1118067356a 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 09f4c1f0-9a7a-509b-b0ed-4a7f0dadb0a base
pytorch-omx_rt22.1-py3.9 08648d4d-a081-5599-ba41-b5f6fcc6471 base
ai-function_0.1-py3.6 0cd09fa-5376-4f4d-926d-da3b09aa9bda base
sklearn_0.20-py3.6 0e0c79af-875a-4f2b-8a0b-03ac1143030a base
tensorflow_2.4-py3.7-horovod 1092590a-307d-563d-9662-4ab7064b3f22 base
pytorch_1.1-py3.6 10ac1206-6b30-4ccd-8392-ba922c096a92 base
tensorflow_1.15-py3.6-dl 111e41b3-6b2b-5422-a6d6-4770820a0b7 base
autoai-ml_22.2-py3.10 125b6d9a-5b1f-5e0d-972a-b251608ccf40 base
runtime-22.1-py3.9 12b83a77-24d8-5082-900f-bab31f9f31cb base
scikit-learn_0.22-py3.6 154010f0-9a7a-509b-b0ed-4a7f0dadb0a base
default_py3.6 1b70a0c3-ab34-48b7-8a0b-a4a3c8296a36 base
pytorch-omx_1.3-py3.6 1bc6029a-c97f-56da-b6a0-39c3800bba7 base
kernel-gpu3.3-cccl2.12 1c9c5454-0216-596b-a20e-07a2c0f9980 base
pytorch-omx_rt22.1-py3.9-edt 1d362186-7a05-5659-8b6c-9d0800bde37f base
tensorflow_2.4-py3.6 1eb25804-d6ed-56da-b6a5-3f0d71605666 base
spark-mllib_3.0 20047752-6a0b-5b2c-9f19-0770820a0b7 base
tensorflow_2.4-py3.8-horovod 217c16f6-170f-56f8-824a-b19f20504c49 base
runtime-22.1-py3.9-cuda 26215f05-06c3-5a41-a130-d6d6306ce558 base
dl_py3.8 295ad605-9a7a-509b-b0ed-4a7f0dadb0a base
autoai-ts_3.8-py3.8 2a0b9327-798f-5a0b-ad06-15a0c2402f05 base
tensorflow_1.15-py3.6 2b73a275-7cbf-420b-a912-eaa7f43a0b0c base
kernel-gpu3.3-cccl2.12 2b73a275-7cbf-420b-a912-eaa7f43a0b0c base
```