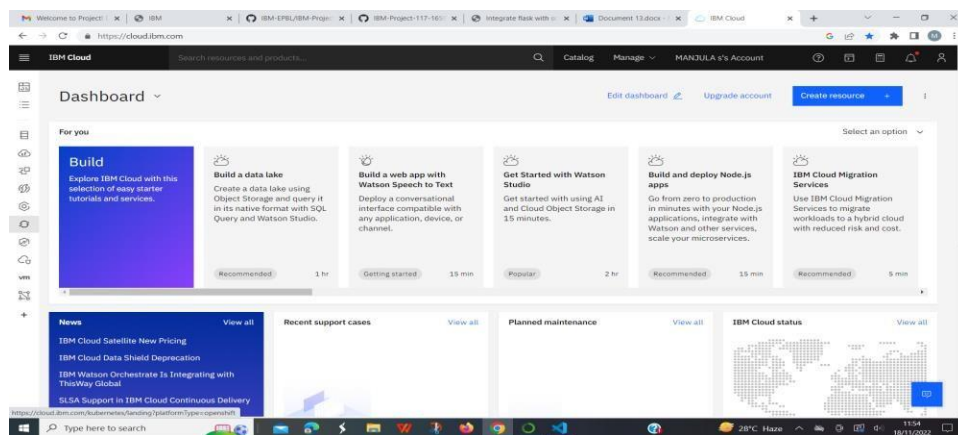


Train the model on the IBM

Team ID	PNT2022TMID45822
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval

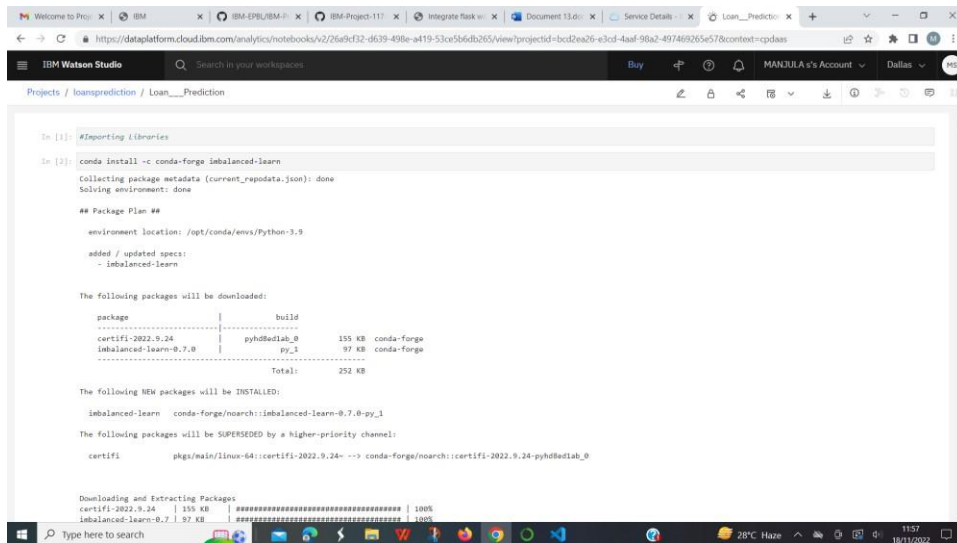
Step1: Open the IBM cloud



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]: #Importing 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:

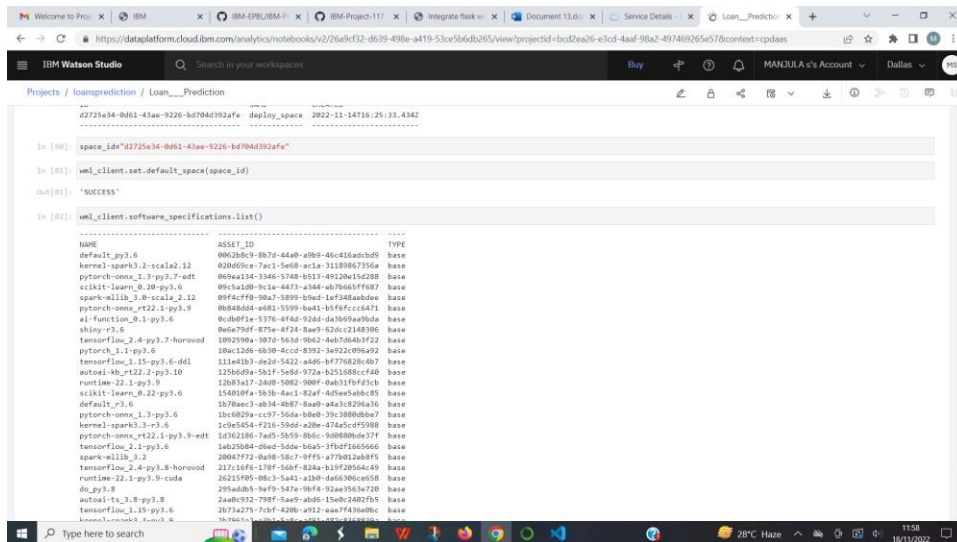
package | build
-----|-----
certifi-2022.9.24 | pyhffed1ab_0 155 KB conda-forge
imbalanced-learn-0.7.0 | py_1 97 KB conda-forge
Total: 252 KB

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The following packages will be SUPERSEDED by a higher-priority channel: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-pyhffed1ab_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



```
d2725a34-b061-43ae-9226-bd704d392afe deploy_space 2022-11-14T16:25:33.434Z

In [80]: space_id="d2725a34-b061-43ae-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 0802b8c9-bb7d-44a8-y8b9-d6c156dcb9 base
kernel-spark3.2-scala2.12 020606ce-7ac1-5e08-ac1a-31189867356a base
pytorch-onnx_1.3-py3.7-edt 069ea13d-3346-5748-b513-49120a15d288 base
scikit-learn_0.20-py3.6 095a1a20-9c1a-4a7f-a34a-ab70a65f1687 base
spark-mllib_3.0-scala_2.12 09f4c7f0-9b47-5859-b5bd-1ef348abdbce base
pytorch-onnx_rt22.1-py3.9 088484d4-e681-5599-ba41-b5f6fcc6471 base
al-funciton_0.1-py3.6 0c408f4a-5376-474d-92d4-d47609a9705a base
sklearn-r3.6 0a6e75df-875a-4f24-8ae9-62dc-c2148306 base
tensorflow_2.4-py3.7-horovod 189299ba-307d-563d-96d2-4a07064b3f22 base
pytorch_1.1-py3.6 19a12d06-6b30-4c12-8392-9a9721096a92 base
tensorflow_1.15-py3.6-ddl 11e1e1b3-dc2d-5422-ad86-bf77682bdc07 base
autoai-rt22.2-py3.10 125b6d9a-561f-5e8d-972a-b25108accf40 base
runtime-22.1-py3.9 126b3a17-2d48-5082-90ef-dab117a1951b base
scikit-learn_0.22-py3.6 154010fa-5b3b-4ac1-82af-d85ea5abcb05 base
default-r3.6 1b70aac3-ab34-4b87-8aa0-ad43c8296a36 base
pytorch-onnx_1.3-py3.6 1bc0203a-c87f-56da-bb4b-39c388ab0b7 base
kernel-spark3.3-r3.6 1c9e5454-f216-59d8-a20e-47d45cd45988 base
pytorch-onnx_rt22.1-py3.9-edt 1d362186-7a05-5d59-b0dc-b08080de377f base
tensorflow_2.1-py3.6 1ab25b04-d8ad-56da-b645-9a97f16f566c base
spark-mllib_3.0 20047772-d608-58c7-9ff5-477012a68ff5 base
pytorch-onnx_2.4-py3.8-horovod 217c16f6-178f-560f-824a-b19f205a4c49 base
runtime-22.1-py3.9-cuda 2625f9e5-0b3c-5a2f-a2d0-d461306ca050 base
do_py3.8 295add85-9ef9-547a-9e4a-92aa3563e720 base
autoai-ts_1.8-py3.8 2a4b0932-788f-5ae0-abd5-150bc24027b5 base
tensorflow_1.15-py3.6 2b72a273-7d8f-4208-9f12-9aaf74340a0c base
kernel-onnx3.3-onnx_0. 3676a61c-1d81-4d95-a08a-88013320150c base
```