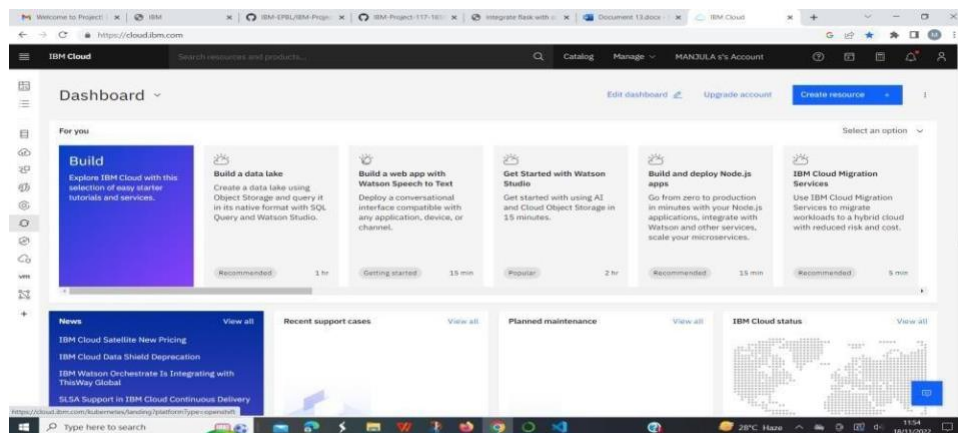


Train the model on the IBM

Team ID	PNT2022TMID47865
Project Name	CAR RESALE VALUE PREDICTION

Step1: Open the IBM cloud



Step 2: create the Watson service

Step 3: create a new project for the deploying the car resale value prediction

Step 4: Upload the car_resale_value_prediction_final.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 | pyhd8ed1ab_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The following packages will be SUPERSEDED by a higher-priority channel: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-pyhd8ed1ab_0

Downloading and Extracting Packages
certifi-2022.9.24 | 155 KB | ##### 100%
imbalanced-learn-0.7 | 97 KB | ##### 100%
```

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

```
d2725e34-bd01-43ae-9226-bd784d392afe deploy_space 2022-11-14T16:25:33.434Z
-----
In [80]: space_id="d2725e34-bd01-43ae-9226-bd784d392afe"

In [81]: uml_client.set_default_space(space_id)

Out[81]: 'SUCCESS'

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

-----
name | ASSET_ID | TYPE
-----|-----|-----
default_py3.6 | 0063bdc9-8b7d-44a0-a0b9-46c416adcb0f | base
kernel-spark3.3-scala2.12 | 020606ce-7ac1-5e68-ec1a-31189867356a | base
pytorch-omni_1.3-py3.7-edt | 069ea134-1346-5748-b513-49120e15d288 | base
scikit-learn_0.20-py3.6 | 09c5a100-bc1e-4473-a344-ab7b665ff687 | base
spark-mllib_3.0-scala_2.12 | 09f4cfff-90a7-5895-b0ad-1ef34baebdce | base
pytorch-omni_rt22.1-py3.9 | 0b848d6d-e881-5599-ba41-b5f6fccc6471 | base
el-function_0.1-py3.6 | 0c400f1e-5376-4f6d-926d-da366fa9f6da | base
shiny-r3.6 | 0efc79df-875a-4f24-8ae0-62dc2314830a | base
tensorflow_2.4-py3.7-horovod | 1092590a-307d-563d-9b62-4eb7d6dbf722 | base
pytorch_1.1-py3.6 | 10ac1206-8b30-4ccd-8392-1a922c899a92 | base
tensorflow_1.15-py3.6-dl | 111e41b3-de2d-5422-ad6e-bf776826c4b7 | base
autotool-rt22.2-py3.10 | 125b6d9a-5b1f-5e0d-972a-b251680ccf40 | base
runtime-22.1-py3.9 | 12b83a17-2408-5082-908f-0ab319bfdf3b | base
scikit-learn_0.22-py3.6 | 154018fa-593b-4ac1-92af-4d5e05a0b085 | base
default_r3.6 | 1b78a6c3-ab34-4b07-8a80-a4a3c8295a36 | base
pytorch-omni_1.3-py3.6 | 1bc6029a-c937-56da-b0e0-39c3880db0e7 | base
kernel-spark3.3-r3.6 | 1c9e5454-f216-59dd-a20e-47a5cdf5988 | base
pytorch-omni_rt22.1-py3.9-edt | 1d3d2186-7a05-5b59-b06c-9d0808de37f | base
tensorflow_2.1-py3.6 | 1eb25084-0a4d-5d4e-b6a5-37bf1605a666 | base
spark-mllib_3.2 | 20847772-0a98-58c7-9ff5-a770012a0b75 | base
tensorflow_2.4-py3.8-horovod | 217c16fe-178f-5d0f-824a-b19f2056d4c9 | base
runtime-22.1-py3.9-cuda | 26215f95-06c3-5a41-a13b-da6b30ce0558 | base
du_py3.8 | 295addb5-9af9-547e-70f4-92ae3563e720 | base
autotool-ts_3.0-py3.8 | 2a0fc932-798f-5ae9-ab0e-15e0c2402fb5 | base
tensorflow_1.15-py3.6 | 2b73a275-7cbf-420b-a912-aee7f436a0bc | base
tensorflow_2.4-py3.8 | 3078461c-b0b3-4c00-8f90-433a31c9297b | base
```