

Model Building

Date	14 November 2022
Team ID	PNT2022TMID0251
Project Name	Machine Learning Based Vehicle Performance Analyzer

Dataset: car_performance.csv

Model ID: 'd4aa5e82-5194-4c38-9e6f-6be8210b3ffc'

The screenshot displays the IBM Watson Studio web interface. The browser address bar shows a URL pointing to a specific notebook. The interface includes a top navigation bar with 'IBM Watson Studio' and a search bar. Below this, a breadcrumb trail indicates the current location: 'Projects / Vehicle Performance Analyser - ... / Model Building Car Performance'. The main workspace contains a Jupyter notebook with the following code:

```
In [14]: import os, types
import pandas as pd
from boto3.client import Config
import 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 = boto3.client(service_name='s3',
                           ibm_api_key_id='19svvQziyU_M127g9Lck2bE-vJHc3NDH9QNgQHHV51Q7',
                           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 = 'vehicleperformanceanalyzerdeploy-donotdelete-pr-zcuqjsilptifi'
object_key = 'car_performance.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)

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

The output of the code execution is displayed below the code cell:

```
Out[14]:
```

	mpg	cylinders	displacement	horsepower	weight	acceleration	model year	origin	car name
0	18.0	8	307.0	130	3504	12.0	70	1	chevrolet chevelle malibu
1	15.0	8	350.0	165	3693	11.5	70	1	buick skylark 320

On the right side of the interface, there is a 'Data' panel with a 'Files' tab. It shows a list of files: 'Churn_Modelling.csv' and 'car performance.csv'. Each file has an 'Insert to code' button. The bottom of the screen shows a Windows taskbar with the date and time: 4:03 PM, 11/14/2022.

Model Building Deployment Status:

The screenshot shows the IBM Watson Studio interface. The browser address bar displays the URL: `dataplatfrom.cloud.ibm.com/ml-runtime/spaces/59e74fb8-5c13-4ff3-b36a-9e909d8603e6/deployments?context=cpdaas`. The page title is "models" and the "Deployments" tab is selected. A table lists the deployment status of two models.

Name	Type	Status	Asset	Last modified
Model Building	Online	Deployed	Model Building	23 seconds ago Hariprasad R (You)
newdeployment	Online	Deployed	Churn_modeling	4 hours ago Hariprasad R (You)

At the bottom of the table, it indicates "Items per page: 20" and "1-2 of 2 items".

On the right side of the interface, there is a file upload area with the text: "Drop files here or browse for files to upload." Below this, a message states: "Stay on the page until upload completes. Incomplete uploads are cancelled."

The bottom of the image shows the Windows taskbar with the system clock at 4:06 PM on 11/14/2022.