

Model Building

Date	16 November 2022
Team ID	PNT2022TMID45545
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 interface. The top navigation bar includes the IBM logo and various tool icons. The main workspace is a Jupyter Notebook titled "Model Building Car Performance". The notebook code is as follows:

```
In [14]: import os, types
import pandas as pd
from botocore.client import Config
import ibm_boto3

def __iter__(self): return @

#@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 = ibm_boto3.client(service_name='s3',
                             ibm_api_key_id='f5rvQziyu_M127g9Lck2bE-v3Hc3N7M9Qhg0NnHVS1Q7',
                             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-zcujqjsilptifi'
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 is a pandas DataFrame with the following columns: mpg, cylinders, displacement, horsepower, weight, acceleration, model_year, origin, and car_name. The first two rows of data are:

	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

The right sidebar shows the "Data" panel with a list of files: "Churn_Modelling.csv" and "car performance.csv". Both files have an "Insert to code" button.

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