

Build The Model With The Random Forest Regressor

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Team ID	PNT2022TMID45545
Project name	MACHINE LEARNING BASED VEHICLE PERFORMANCE ANALYZER

The screenshot displays the IBM Watson Studio interface. The main area shows a Jupyter notebook with the following Python code:

```
In [14]: import os, types
import pandas as pd
from boto3.client import Config
import 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 = boto3.client(service_name='s3',
    iam_api_key_id='R5nVQziyu_H127g9i.cKZ8E-vJHc3H9QNgQmHVS1Q7',
    iam_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 = 'vehicleperformanceanalysisdeployment-donotdelete-pr-zcujaqslptifi'
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 displayed below:

```
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

The right sidebar shows the 'Data' section with 'Files' and 'Connections'. Under 'Files', there are two items: 'Churn_Modelling.csv' and 'car performance.csv', both with an 'Insert to code' button. The bottom status bar shows the system clock as 4:03 PM on 11/14/2022.

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newdeployment	Online	Deployed	Churn_modeling	4 hours ago Hariprasad R (You)	⋮

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Data_Preprocess...ipynb Data_Preprocess...html Model_Building.html

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