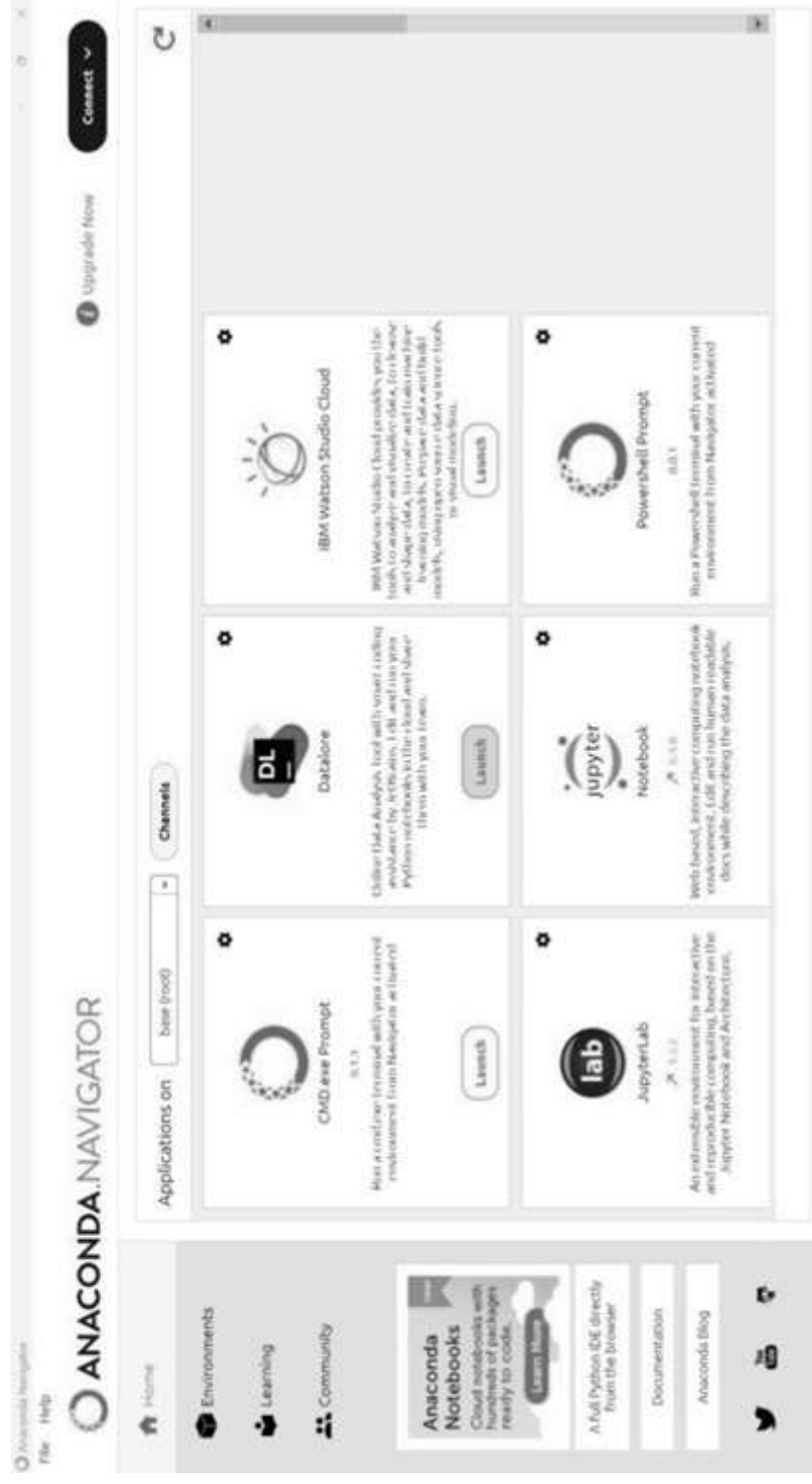


PRE-REQUISITES

Team ID	PNT2022TMID46701
Project Name	Trip Based Modeling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning

1.Anaconda Navigator:



jupyter
Files Running Outlets

Select items to perform actions on them.

Name	Last Modified	File size
/ Downloads		
[] 0 [] / ...		
[] bootstrap-4.3.1	seconds ago	
[] BAWindowsLauncher	5 days ago	
[] JSLinux_files	2 months ago	
[] New folder	a year ago	
[] assignment_python_basic.ipynb	3 days ago	12.4 KB
[] assignment2_Copy1 (1).ipynb	2 months ago	148 KB
[] assignment2_Copy1.ipynb	a month ago	440 KB
[] assignment2.ipynb	a month ago	635 KB
[] Assignment_1 (1).ipynb	a month ago	8.83 KB
[] Assignment_1.ipynb	a month ago	8.83 KB
[] Assignment_2.ipynb	a month ago	645 KB
[] Assignment_3.ipynb	22 days ago	583 KB
[] Assignment_4 (1).ipynb	2 days ago	263 KB
[] Assignment_4 (2).ipynb	17 hours ago	650 KB
[] Assignment_4.ipynb	17 hours ago	650 KB

3. Python Packages:

Visualizing And Analyzing The Data

Importing The Libraries

```
In [22]: import numpy as np
import pandas as pd
import pickle
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
import sklearn
from sklearn.preprocessing import LabelEncoder
from sklearn.tree import DecisionTreeClassifier
from sklearn.ensemble import GradientBoostingClassifier, RandomForestClassifier
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import RandomizedSearchCV
from xgboost import XGBClassifier
from sklearn.ensemble import RandomForestClassifier
import imblearn
from imblearn.under_sampling import RandomUnderSampler
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import scale
from sklearn.metrics import accuracy_score, classification_report, confusion_matrix, f1_score
```

4. Dataset

5. Flask

6. Bootstrap

7. Virtual Environment

8. My sql.