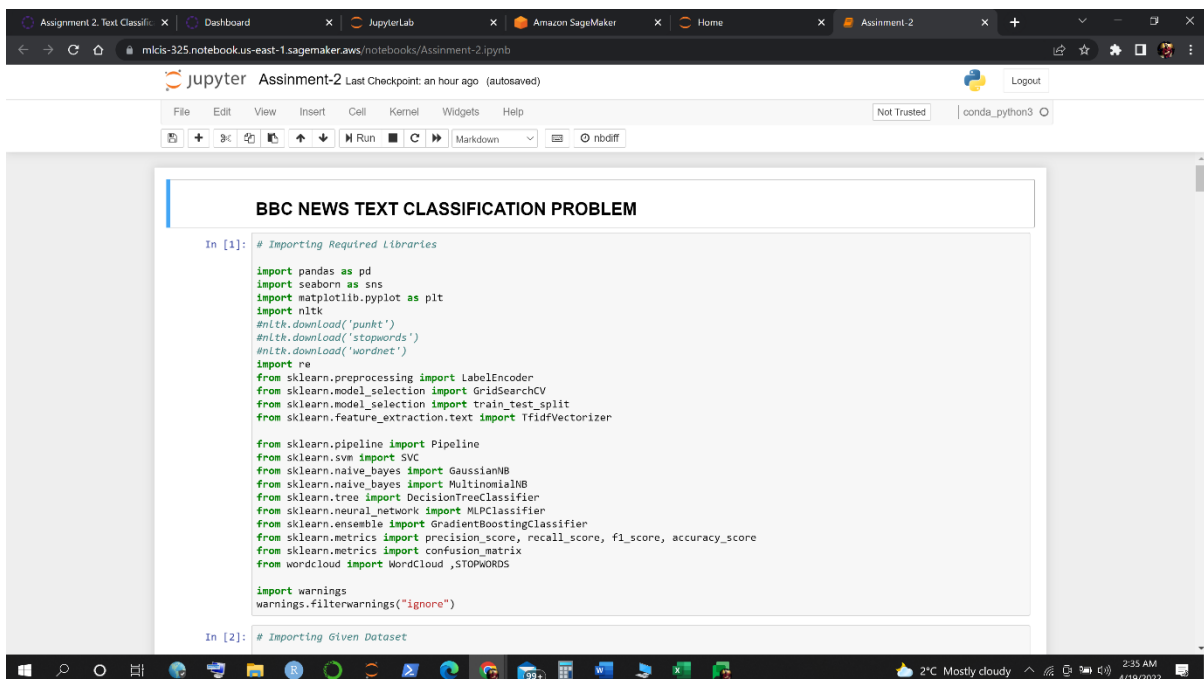


README FILE – BBC NEWS DATA CLASSIFICATION PROBLEM

1. Note that if you do not have a student account you will not be able to start a compute instance using Azure Machine Learning Studio.
2. Due to this issue I decided to serve my model using AWS Sage maker.
3. You need to signup for AWS account and once you are on the dashboard, you need to navigate to Machine Learning > SageMaker
4. Now you need to navigate to Notebook instances, which you can find in the left panel.
5. Now using this link you can launch this wizard, which will help you in setting up your jupyter notebook
6. Once the instance is ready click launch Notebook action button. This will open up the Jupyter notebook in your browser.
7. From here you can replicate the steps that you use to take to run your code inside the notebook.



```
In [1]: # Importing Required Libraries

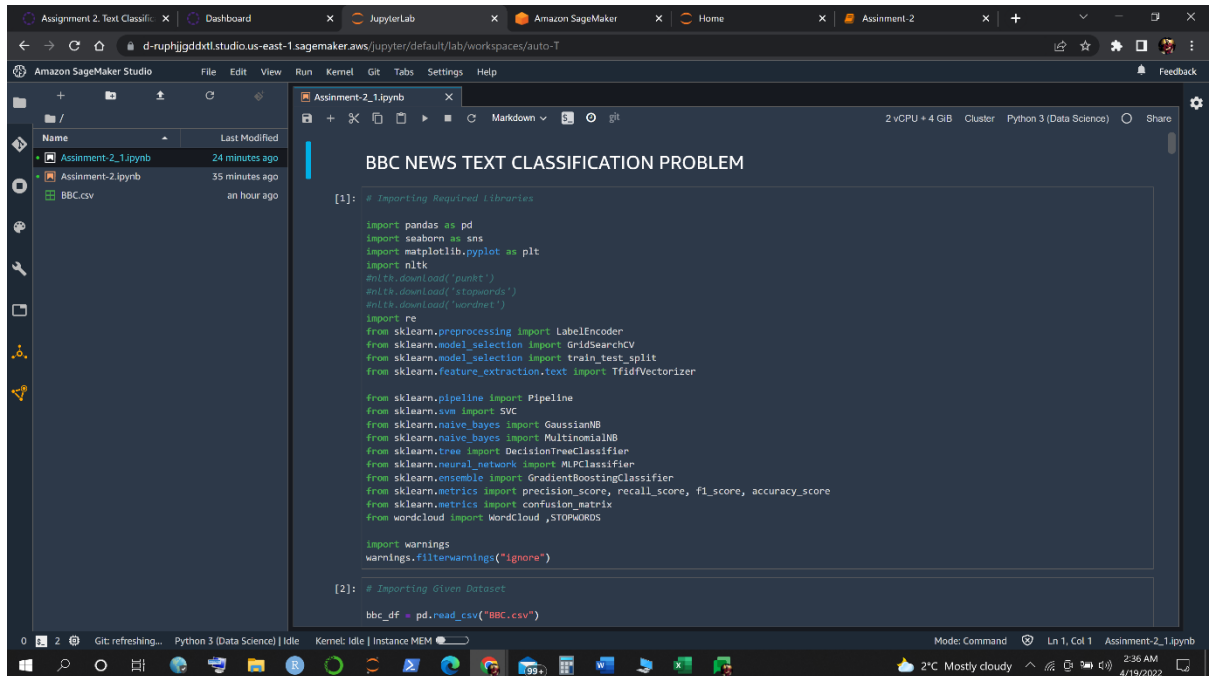
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import nltk
#nltk.download('punkt')
#nltk.download('stopwords')
#nltk.download('wordnet')
import re
from sklearn.preprocessing import LabelEncoder
from sklearn.model_selection import GridSearchCV
from sklearn.model_selection import train_test_split
from sklearn.feature_extraction.text import TfidfVectorizer

from sklearn.pipeline import Pipeline
from sklearn.svm import SVC
from sklearn.naive_bayes import GaussianNB
from sklearn.naive_bayes import MultinomialNB
from sklearn.tree import DecisionTreeClassifier
from sklearn.neural_network import MLPClassifier
from sklearn.ensemble import GradientBoostingClassifier
from sklearn.metrics import precision_score, recall_score, f1_score, accuracy_score
from sklearn.metrics import confusion_matrix
from wordcloud import WordCloud, STOPWORDS

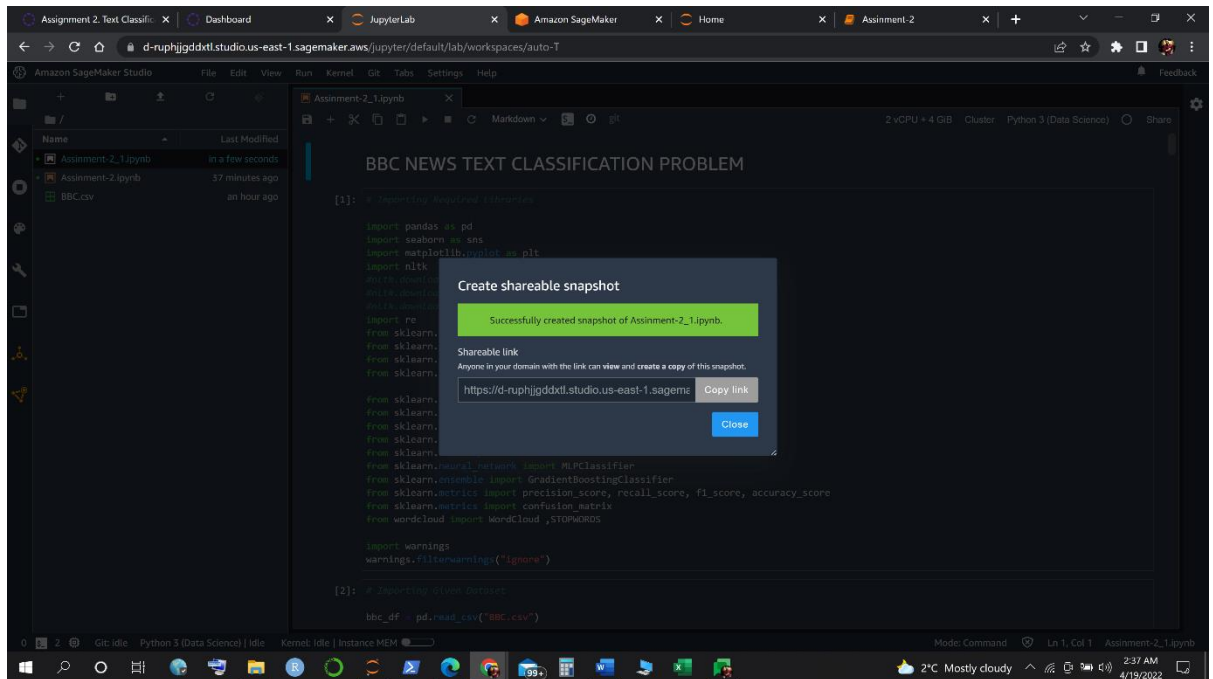
import warnings
warnings.filterwarnings("ignore")

In [2]: # Importing Given Dataset
```

- 8.
9. You can also share this notebook from SageMaker Studio



- 10.
11. Using the AWS shareable screenshot feature, you can replicate this code in your workspace
12. https://d-ruphijgddxtl.studio.us-east-1.sagemaker.aws/jupyter/default/lab?sagemaker-share-id=DciLWrmM3i0GP9XwJy1odw58aOArI-KLBAvTc_MJtPc%3D



- 13.

