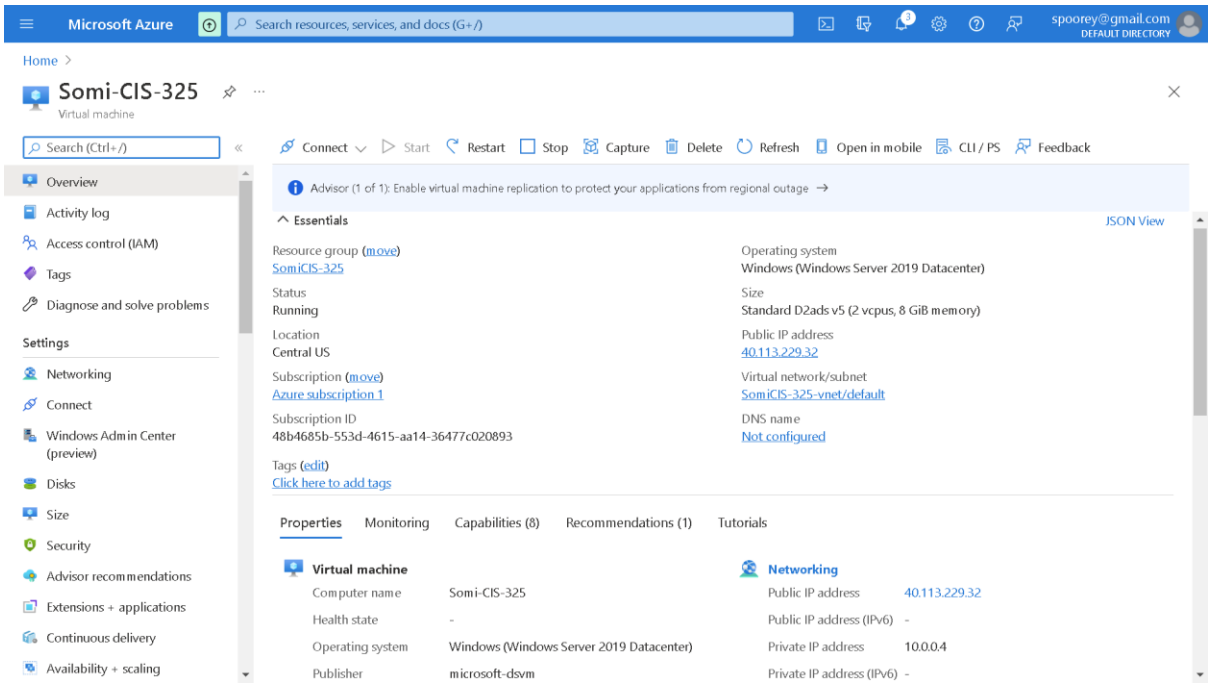
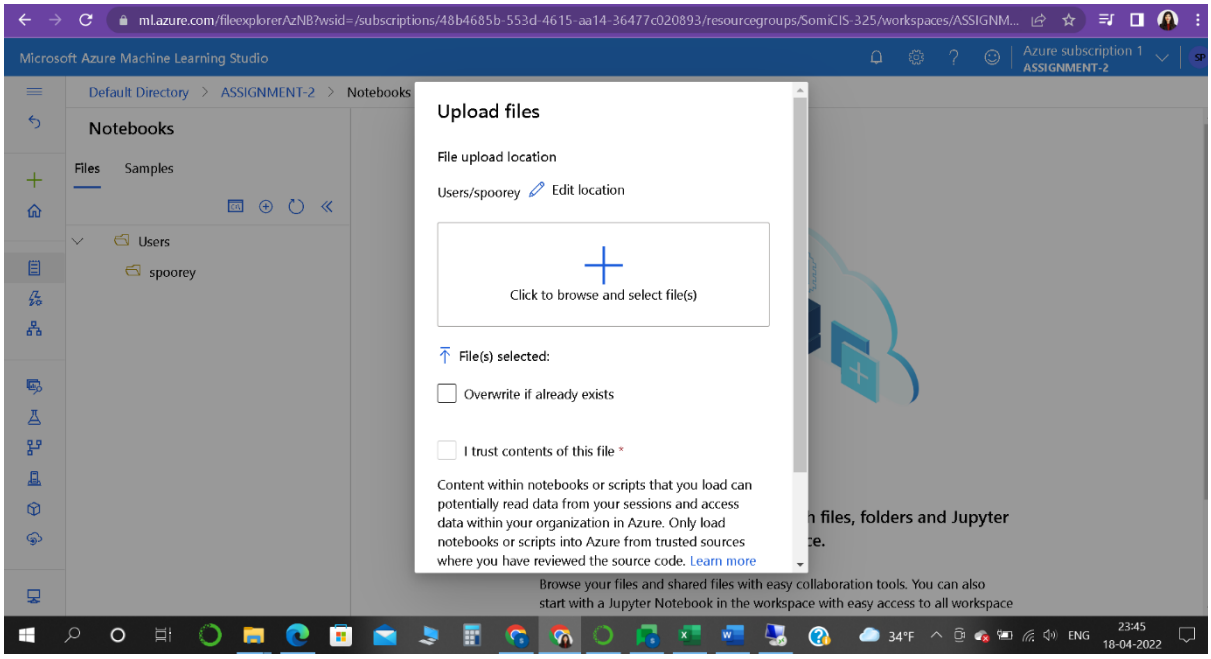
INSTALLING

1. In Jupyter Notebook import all the necessary libraries, data set and perform all the desired task
2. Login to Azure account
3. Start your Virtual machine and click to connect.
4. Download the remote desktop connection and click on run
5. Follow the instructions and click to connect to the VM machine.

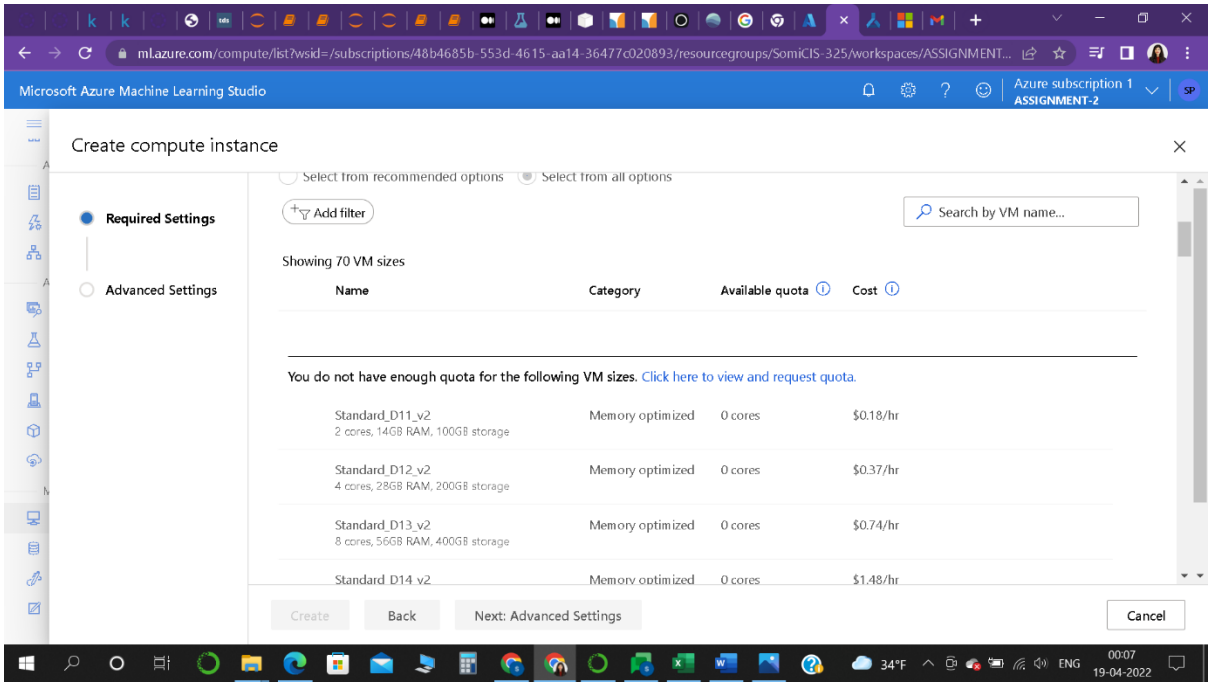


6. If you fail to connect, make sure you are entering the right set of credentials while logging in. It is same when we created the account on Azure.
7. Once you are logged in, the system will take some time to setup.
8. After set-up is done, log in to your virtual machine to make sure everything is working
9. If you are using Jupyter notebook, make sure to open the jupyter notebook and let it setup
10. Now download the dataset, your previously created jupyter notebook into the virtual machine.



Issue:

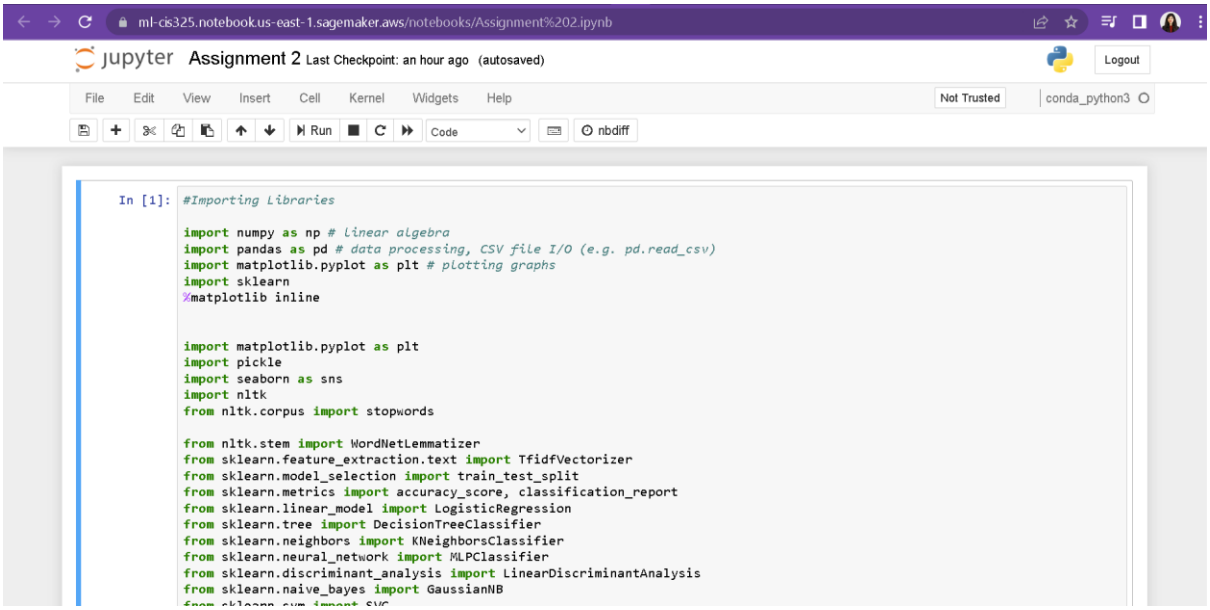
Creating Instance took a whole lot of time and I was not able to select a quota, and it was not moving forward. (Processor was not able to connect, may be because I was not using Student Account)



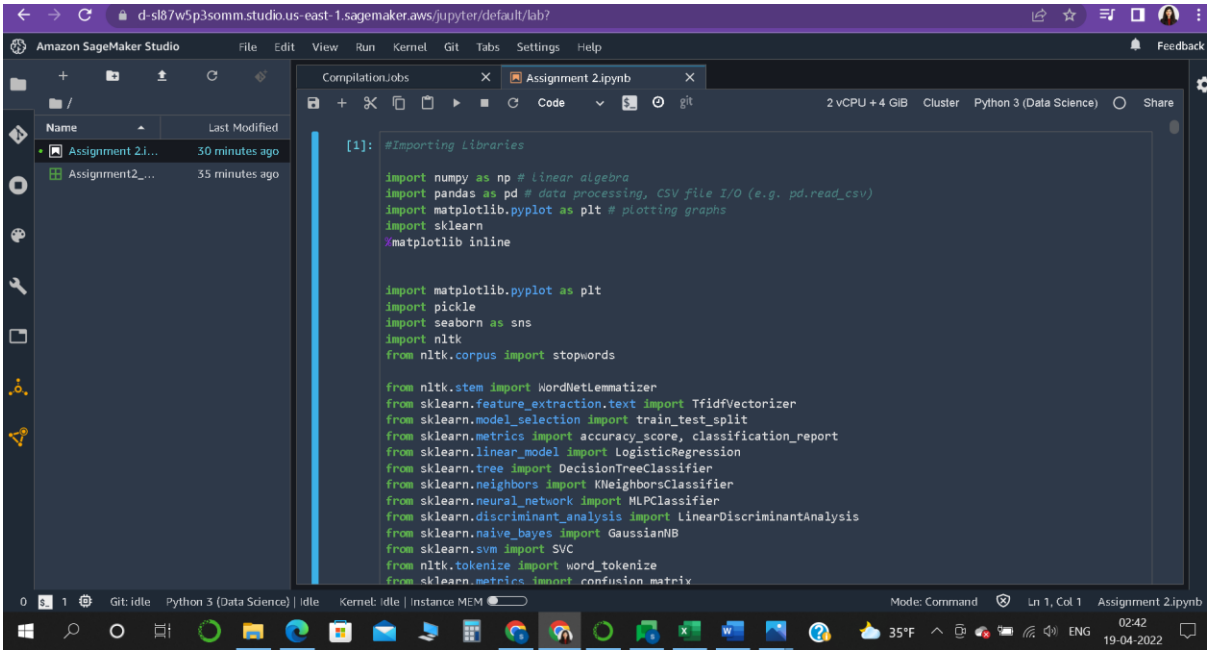
NOTE: If you're not using student account, you will not be able to start the compute instance. So, I shifted from Azure to AWS SageMaker-

- I Created an AWS SageMaker free tier account

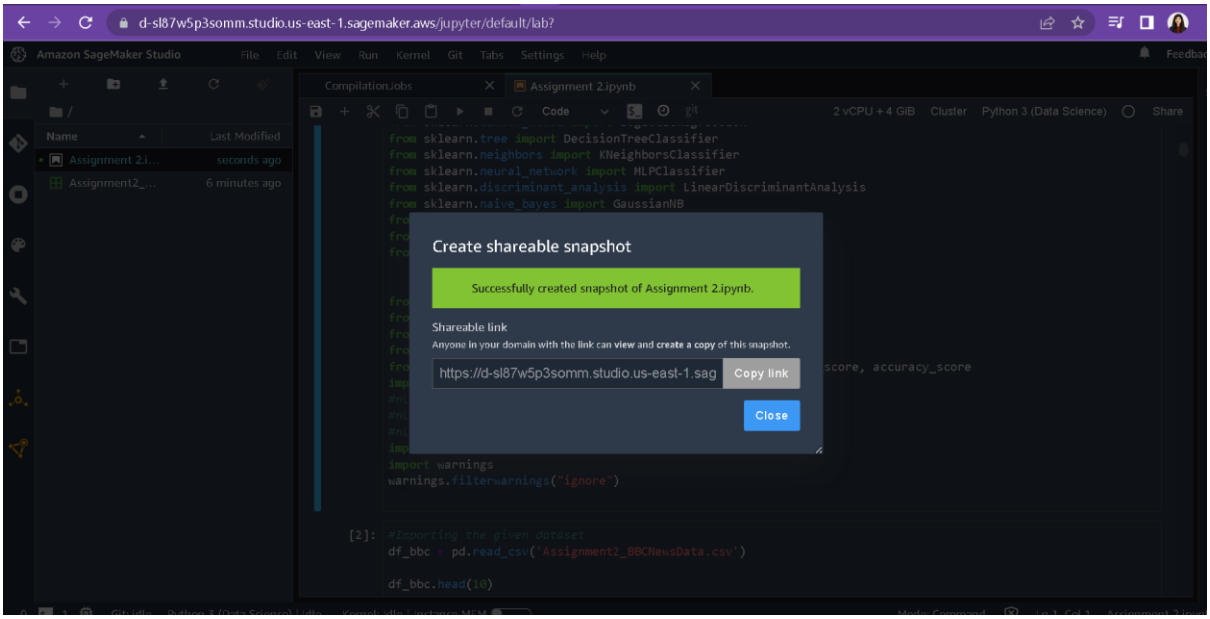
- After creating an account, once you are on the dashboard you need to navigate to Machine Learning>SageMaker
- Then click on the Notebook instances, present on the left side of the panel
- From here you can launch the wizard, which will help you in setting up your Jupyter notebook
- Once the instance is ready click on Launch Notebook button, your notebook will get open.
- From here you can replicate the steps that you take to run your code.



- Now, you can share this code with the SageMaker Studio.



- With Create Shareable Snapshot, you can get a shareable link, which can be send to others.


d-sl87w5p3somm.studio.us-east-1.sagemaker.aws/jupyter/default/lab?
Amazon SageMaker Studio
File Edit View Run Kernel Git Tabs Settings Help
CompilationJobs
Assignment 2.ipynb
Code
2 vCPU + 4 GiB Cluster Python 3 (Data Science) Share
Name
Last Modified
Assignment 2.i...
seconds ago
Assignment2_...
6 minutes ago
from sklearn.tree import DecisionTreeClassifier
from sklearn.neighbors import KNeighborsClassifier
from sklearn.neural_network import MLPClassifier
from sklearn.discriminant_analysis import LinearDiscriminantAnalysis
from sklearn.naive_bayes import GaussianNB
Create shareable snapshot
Successfully created snapshot of Assignment 2.ipynb.
Shareable link
Anyone in your domain with the link can view and create a copy of this snapshot.
https://d-sl87w5p3somm.studio.us-east-1.sag
Copy link
Close
score, accuracy_score
import warnings
warnings.filterwarnings("ignore")
[2]:
#Importing the given dataset
df_bbc = pd.read_csv('Assignment2_BBCNewsData.csv')
df_bbc.head(10)