Computer Engineering Department

Assignment -2

Submitted by

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Teacher

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1. First, we have to get token by going to account and selecting the APIS section and clicking create token .it will be created shown below.

API

Using Kaggle's beta API, you can interact with Competitions and Datasets to download data, make submissions, and more via the command line. Read the docs

✅ Ensure kaggle.json is in the location ~/.kaggle/kaggle.json to use the API.   **Dismiss**
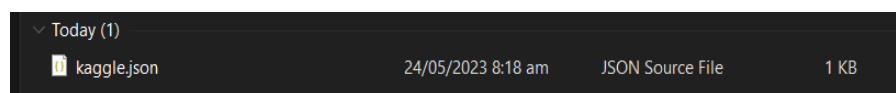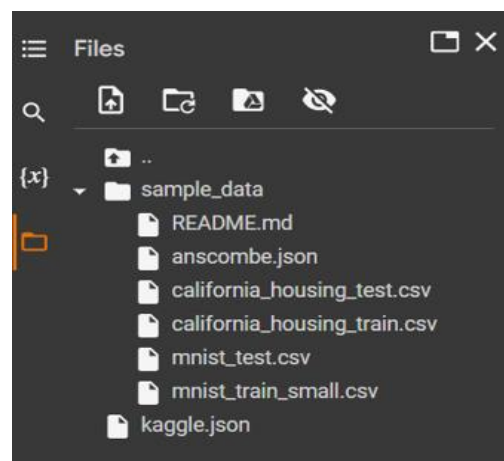
Create New Token   Expire Token

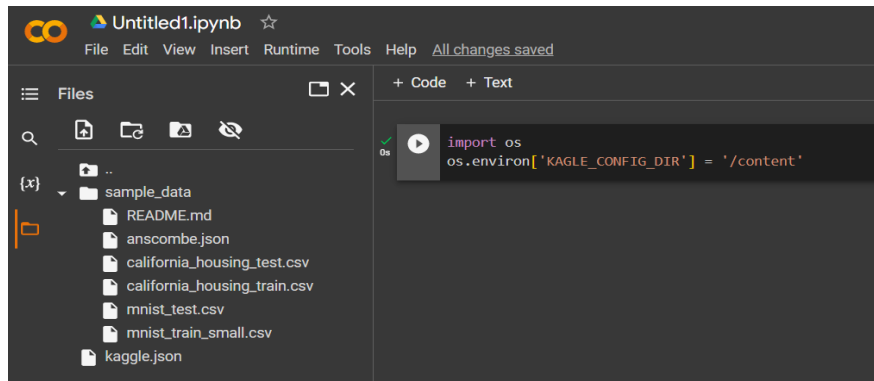2. You will see that the file will be downloaded in browser.

kaggle.json

3. By opening the downloaded file, you will see the username and also the key would be provided to you.

C: > Users > ideal > Downloads > {} kaggle.json

1 {"username":"mustafapanezai","key":"ef10636dd2cd01b1dc015e6dd3081855"}

4. In google colab go to file and then upload the downloaded file in the google colab.after that you will see the downloaded file in the file section.

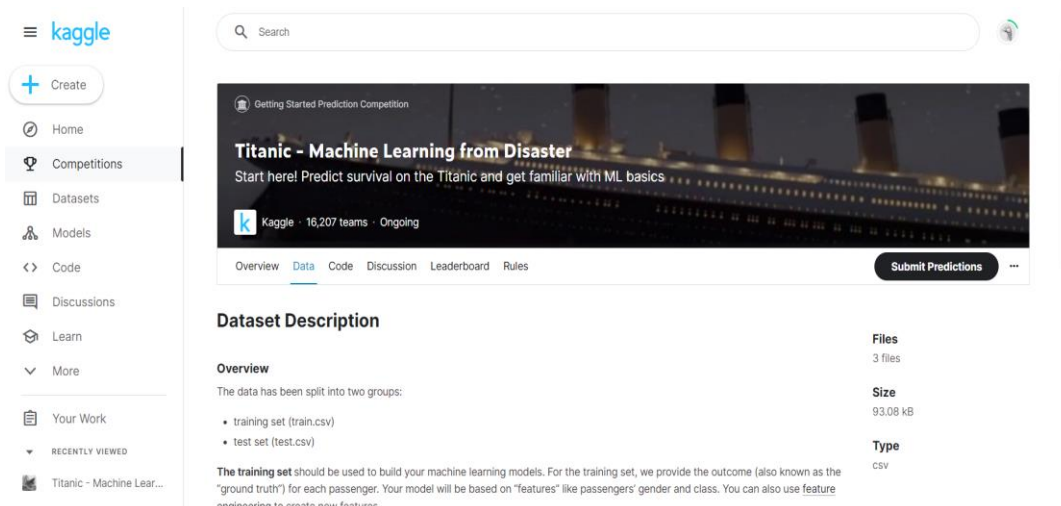

Files

..
sample_data
  README.md
  anscombe.json
  california_housing_test.csv
  california_housing_train.csv
  mnist_test.csv
  mnist_train_small.csv
kaggle.json

Today (1)
kaggle.json   24/05/2023 8:18 am   JSON Source File   1 KB

5. Now you have to import OS . run the os.environ with Kaggle config and then give the location of titanic file ,folder name.

6. Now go to Kaggle website and choose the required dataset you want .

7. After opening the required dataset, you want you will see the path of location will be provided and after that just copy api to clipboard.

8. Now paste the api dataset location in the google colab browser just keep in mind must use this sign '!' .then run the command. Output shown below.

```
!kaggle competitions download -c titanic

Traceback (most recent call last):
  File "/usr/local/bin/kaggle", line 5, in <module>
    from kaggle.cli import main
  File "/usr/local/lib/python3.10/dist-packages/kaggle/__init__.py", line 23, in <module>
    api.authenticate()
  File "/usr/local/lib/python3.10/dist-packages/kaggle/api/kaggle_api_extended.py", line 164, in authenticate
    raise IOError('Could not find {}. Make sure it\'s located in'
OSError: Could not find kaggle.json. Make sure it's located in /root/.kaggle. Or use the environment method.
```

9. Now in the final step import pandas library and use the command pd.read_csv and give the location of the dataset .just run the variable in which you have stored the dataset .the dataset will be shown to you.

MUSTAFA-KHAN

```
[12] import pandas as pd
     csvreader=pd.read_csv('/content/sample_data/california_housing_train.csv')
     csvreader
```

Error: Runtime no longer has a reference to this dataframe, please re-run this cell and try again.

	longitude	latitude	housing_median_age	total_rooms	total_bedrooms	population	households	median_income	median_house_value
0	-114.31	34.19	15.0	5612.0	1283.0	1015.0	472.0	1.4936	66900.0
1	-114.47	34.40	19.0	7650.0	1901.0	1129.0	463.0	1.8200	80100.0
2	-114.56	33.69	17.0	720.0	174.0	333.0	117.0	1.6509	85700.0
3	-114.57	33.64	14.0	1501.0	337.0	515.0	226.0	3.1917	73400.0
4	-114.57	33.57	20.0	1454.0	326.0	624.0	262.0	1.9250	65500.0
...	...	...	...	...	...	...	...	...	...
16995	-124.26	40.58	52.0	2217.0	394.0	907.0	369.0	2.3571	111400.0
16996	-124.27	40.69	36.0	2349.0	528.0	1194.0	465.0	2.5179	79000.0
16997	-124.30	41.84	17.0	2677.0	531.0	1244.0	456.0	3.0313	103600.0
16998	-124.30	41.80	19.0	2672.0	552.0	1298.0	478.0	1.9797	85800.0
16999	-124.35	40.54	52.0	1820.0	300.0	806.0	270.0	3.0147	94600.0

17000 rows × 9 columns