Application Building

Build Python Codes

Date	14th Nov -2022
Team Id	PNT2022TMID18685
Project Name	Natural Disaster Intensity Analysis & Classification Using Artificial Intelligence

Python Code : Earthquake

```
import requests
import csv
from csv import DictReader
import pandas as pd
import numpy as np
from pandas import Series, DataFrame
import matplotlib.pyplot as plt
from matplotlib import rcParams
import seaborn as sb
# below lines are important when you get KeyError: 'PROJ_LIB'
import os
import conda
conda_file_dir =  conda._file_
conda_dir = conda_file_dir.split('lib')[0]
proj_lib = os.path.join(os.path.join(conda_dir, 'share'), 'proj')
os.environ["PROJ_LIB"] = proj_lib
from mpl_toolkits.basemap import Basemap
```

Output:

	time	latitude	longitude	depth	mag	magType	nst	gap	dmin	rms	...	updated	place	type	horizontalError	de
0	2020-02-12T08:59:25.286Z	-24.1641	-176.1798	92.01	5.2	mb	NaN	90	5.296	1.32	...	2020-02-12T09:15:18.040Z	South of the Fiji Islands	earthquake	10.7	
1	2020-02-12T05:55:09.989Z	0.7902	98.9466	81.22	4.5	mb	NaN	98	1.462	0.85	...	2020-02-12T06:20:16.040Z	73km SSW of Padangsidempuan, Indonesia	earthquake	7.3	
2	2020-02-12T00:43:19.540Z	52.6402	171.8590	10.00	4.9	mb	NaN	146	1.369	0.67	...	2020-02-12T01:02:31.040Z	92km WSW of Attu Station, Alaska	earthquake	10.7	
3	2020-02-11T21:42:43.476Z	-20.9359	-70.7684	10.00	4.6	mwr	NaN	139	0.899	1.25	...	2020-02-12T01:06:24.938Z	102km SW of Iquique, Chile	earthquake	4.0	
4	2020-02-11T21:04:16.649Z	4.5291	83.4764	10.00	4.7	mb	NaN	101	3.878	1.03	...	2020-02-12T08:44:21.249Z	North Indian Ocean	earthquake	8.9	

5 rows × 22 columns