

Build Python Codes

Date	19 Nov 2022
Team Id	PNT2022TMID47175
Project Name	Natural Disaster Intensity Analysis & Classification Using Artificial Intelligence

Python Code : Earthquake

```
import requests
import csv
import DictReader
import pandas as pd
import numpy as np
import Series, DataFrame
import matplotlib.pyplot as plt
import 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 x 22 columns