ARTIFICIAL INTELLIGENCE

Natural Disaster Intensity Anaysis & Classification Using Artificial Intelligence

Date	17 November 2022
Team Id	PNT2022TMID28120
Project Name	Natural Disaster Intensity Analysis and Classification UsingArtificial Intelligence

Python Code: Earthquake

import requests import csv
from csvimport DictReader
import pandas aspd 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	d
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