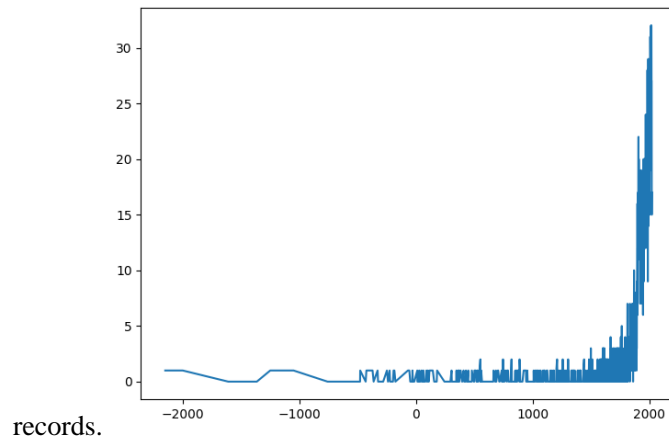


Q1

(a) ('CHINA', 2074900.0), ('TURKEY', 1074769.0), ('IRAN', 1011437.0), ('SYRIA', 439224.0), ('ITALY', 434863.0), ('HAITI', 323472.0), ('AZERBAIJAN', 317219.0), ('JAPAN', 278138.0), ('ARMENIA', 191890.0), ('PAKISTAN', 148764.0)

(b) In the last 300 years or so, earthquakes of magnitude 6 and above have increased sharply. This may be caused by the increase in earth activity, or it may be caused by incomplete data



(c) CHINA : 610

	Year	Mo	Dy	Mag
4142	1971.0	8.0	16.0	5.9
4368	1979.0	8.0	24.0	5.9
4605	1987.0	1.0	24.0	5.9
4934	1997.0	1.0	21.0	5.9
4941	1997.0	4.0	5.0	5.9
5033	2000.0	1.0	14.0	5.9
5186	2003.0	7.0	21.0	5.9
5550	2008.0	8.0	30.0	5.9
5761	2012.0	3.0	8.0	5.9
5888	2014.0	5.0	30.0	5.9
5909	2014.0	11.0	22.0	5.9

TURKEY : 330

	Year	Mo	Dy	Mag
1010	1679.0	6.0	4.0	5.9
2491	1900.0	7.0	12.0	5.9
2517	1901.0	12.0	18.0	5.9
3028	1925.0	8.0	7.0	5.9
3376	1939.0	11.0	21.0	5.9
3408	1941.0	11.0	12.0	5.9
3489	1946.0	5.0	31.0	5.9
4130	1971.0	5.0	12.0	5.9
4576	1986.0	5.0	5.0	5.9
5310	2005.0	1.0	25.0	5.9
5352	2005.0	10.0	20.0	5.9
6223	2020.0	6.0	14.0	5.9

IRAN : 380

	Year	Mo	Dy	Mag
2559	1903.0	9.0	25.0	5.9
3135	1929.0	7.0	13.0	5.9
3805	1960.0	4.0	24.0	5.9
4317	1977.0	12.0	19.0	5.9
4699	1989.0	11.0	20.0	5.9
4870	1994.0	6.0	20.0	5.9
4950	1997.0	6.0	25.0	5.9
5376	2006.0	3.0	25.0	5.9

SYRIA : 33

Empty DataFrame
Columns: [Year, Mo, Dy, Mag]
Index: []

ITALY : 326

	Year	Mo	Dy	Mag
1367	1783.0	2.0	6.0	5.9
1370	1783.0	3.0	1.0	5.9
2663	1907.0	10.0	23.0	5.9
2724	1910.0	6.0	7.0	5.9
3164	1930.0	10.0	30.0	5.9
4285	1976.0	9.0	15.0	5.9
5780	2012.0	5.0	29.0	5.9

HAITI : 17

	Year	Mo	Dy	Mag
6132	2018.0	10.0	7.0	5.9

AZERBAIJAN : 16

	Year	Mo	Dy	Mag
1926	1859.0	6.0	11.0	5.9

JAPAN : 409

	Year	Mo	Dy	Mag
4485	1983.0	6.0	9.0	5.9
5279	2004.0	10.0	27.0	5.9
5333	2005.0	7.0	23.0	5.9

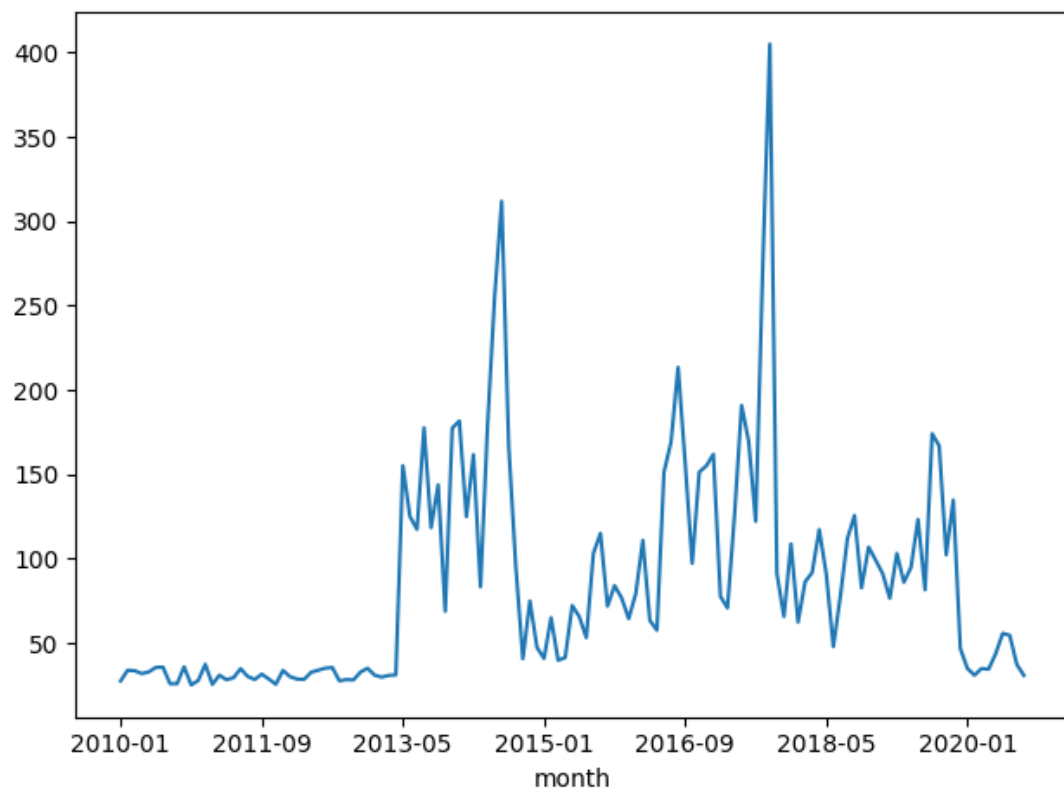
ARMENIA : 13

Empty DataFrame
Columns: [Year, Mo, Dy, Mag]
Index: []

PAKISTAN : 53

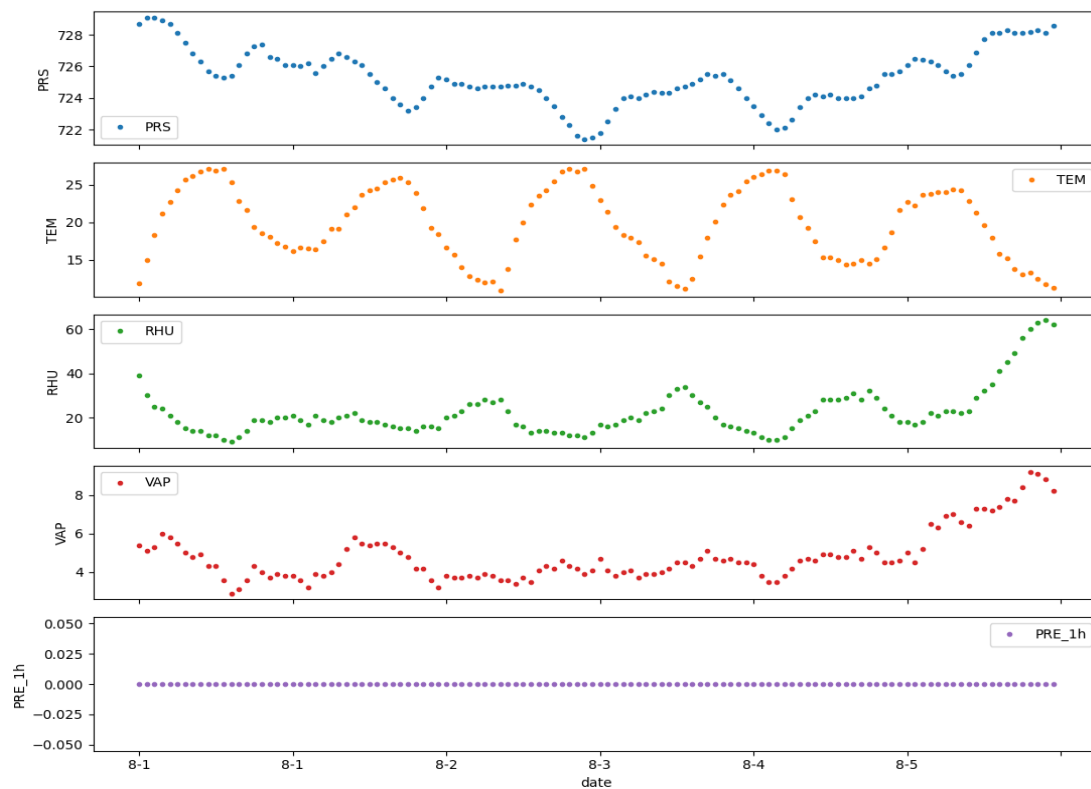
	Year	Mo	Dy	Mag
4323	1978.0	3.0	16.0	5.9
4435	1981.0	9.0	12.0	5.9
6269	2021.0	10.0	6.0	5.9

Q2



Customs suddenly increased after 2013, and the specific reasons are difficult to explain, but the peaks of customs should be caused by typhoons.

Q3:



Here is the hourly data from August 1st to August 6th, including five data of PRE, VAP, RHU, TEM and PRS. Except for rainfall, the other four data have obvious day and night changes.