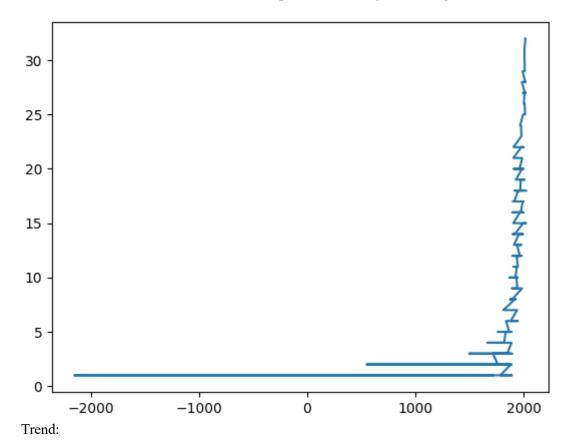
PS2_1
1.1 Ten countries along with the total number of deaths.

Country	
AFGHANISTAN	8185.0
ALBANIA	2247.0
ALGERIA	27126.0
ANTARCTICA	0.0
ANTIGUA AND BARBUDA	4.0
ARGENTINA	611.0
ARMENIA	0.0
ATLANTIC OCEAN	0.0
AUSTRALIA	103.0
AUSTRIA	0.0
Name: Total Injuries,	dtype: float64
Process finished with	exit code 0

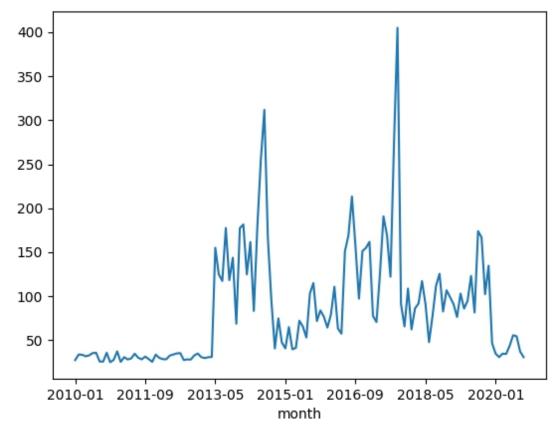
1.2 Time series of total number of earthquakes with magnitude larger than 6.0.



The number of earthquakes with magnitude larger than 6 has increased in recent years, probably because of the increase in earthquake records in recent years.

1.3 The total number of earthquakes since 2150 B.C. in each country. The results shows in a descending order.

PS2_2 Monthly averaged wind speed plot:



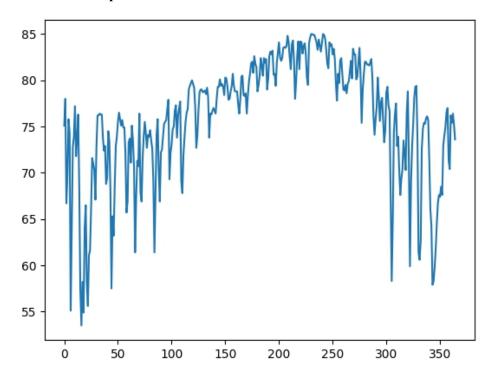
Trend:

The monthly average wind speed was relatively small from 2010 to 2012 and was the largest in 2017.

PS2_3 I downloaded the daily temperature dataset of a lake in California in 2014. 3.1 Clean possible data points with missing values or bad quality.

```
75.1
       78.0
       66.7
       69.9
       75.8
360
       76.2
361
       75.4
362
       76.4
363
       75.2
364
       73.6
Name: temperature, Length: 365, dtype: float64
Process finished with exit code 0
```

3.2 Time series of temperature.



3.3 Statistical checks of temperature: count, mean, maximum, minimum and monthly averaged temperature.

```
365
75.88246575342465
85.0
53.5
month
      67.183871
      72.225000
      71.225806
04
      75.080000
      77.916129
                                      82
      79.416667
                                      80
07
      82.119355
08
      83.332258
                                      78
09
      81.400000
                                      76
10
      78.825806
                                      74
11
      71.016667
                                      72
      70.603226
                                      70
Name: temperature, dtype: float64
                                      68
Process finished with exit code 0
                                                          month
```

Findings:

There are valid data every day in 2014.

The average temperature, maximum temperature, and minimum temperature of this lake are 75.8, 85, and 53.5 degrees Fahrenheit, respectively.

The summer temperature is higher and the highest is in August.