Bellevue University

M3 Screenshots

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DSC350-T301

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e/Module3/JelinekM3.py
95th percentile of earthquake magnitude in Japan:       alert  cdi     code  ...       updated
                                 url  parsed_place
67     NaN  NaN  1000hbqa  ...  1539449501040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
713    NaN  NaN  1000hah8  ...  1539240344040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1124   NaN  NaN  1000h9la  ...  1539119067040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1309   NaN  NaN  1000h952  ...  1539060436040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1398   NaN  NaN  1000h8zx  ...  1539062940040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1422   NaN  1.0  1000h8xg  ...  1539061047807  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1435   NaN  NaN  1000h8vs  ...  1539034924040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1492   NaN  3.4  1000h8q7  ...  1539012243124  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1563   NaN  NaN  1000h8mj  ...  1538978864040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1732   NaN  NaN  1000hb41  ...  1539532511040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1875   NaN  NaN  1000h8c2  ...  1538882370040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
1898   NaN  3.8  1000h8b9  ...  1539319234277  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
2053   NaN  NaN  1000h84n  ...  1538840634040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
2191   NaN  2.7  1000h800  ...  1538811844812  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
2564   NaN  NaN  1000hams  ...  1539306889040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
2576   NaN  3.1  1000h7cn  ...  1538757701040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
2688   NaN  NaN  1000hajw  ...  1539363073040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
2824   NaN  NaN  1000h6vj  ...  1538642265040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
3072   NaN  3.1  1000h6ac  ...  1539230846942  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
3632   NaN  3.1  1000h5gh  ...  1538581746455  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
3771   NaN  NaN  1000h7n9  ...  1539026579040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
3851   NaN  NaN  1000h7mm  ...  1539118704040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
4082   NaN  4.1  1000h4uw  ...  1539136962751  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
4192   NaN  2.2  1000h4r4  ...  1538367048207  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
4257   NaN  NaN  1000h7kb  ...  1539103992040  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
4846   NaN  2.7  1000h479  ...  1538294859215  https://earthquake.usgs.gov/earthquakes/eventp...       Japa
n
```

```
[50 rows x 27 columns]
Percentage of earthquakes in Indonesia that were coupled with tsunamis:  23.12925170068027
Summary stats for earthquakes in Nevada:
count    681.000000
mean       0.500073
std        0.696710
min       -0.500000
25%       -0.100000
50%        0.400000
75%        0.900000
max        2.900000
Name: mag, dtype: float64
      parsed_place  RingOfFire
0        California        True
1        California        True
2        California        True
3        California        True
4        California        True
...             ...         ...
9327     California        True
9328     California        True
9329    Puerto Rico       False
9330     California        True
9331     California        True

[9332 rows x 2 columns]
Earthquakes in the Ring of Fire:  7185
Earthquakes outside of the Ring of Fire:  2147
Tsunami count along the ring of fire:  45
                 Country  ...  Population (in thousands) total
0            Afghanistan  ...                          26088.0
1                Albania  ...                           3172.0
2                Algeria  ...                          33351.0
3                Andorra  ...                             74.0
4                 Angola  ...                          16557.0
..                   ...  ...                              ...
197              Vietnam  ...                          86206.0
198   West Bank and Gaza  ...                              NaN
199                Yemen  ...                          21732.0
200               Zambia  ...                          11696.0
201             Zimbabwe  ...                          13228.0

[202 rows x 9 columns]
Number of rows:  202
```

```
Number of rows:  202
Column headers:
Index(['Country', 'CountryID', 'Continent', 'Adolescent fertility rate (%)',
       'Adult literacy rate (%)',
       'Gross national income per capita (PPP international $)',
       'Net primary school enrolment ratio female (%)',
       'Net primary school enrolment ratio male (%)',
       'Population (in thousands) total'],
      dtype='object')
Data types:
Country                                                   object
CountryID                                                  int64
Continent                                                 int64
Adolescent fertility rate (%)                           float64
Adult literacy rate (%)                                 float64
Gross national income per capita (PPP international $)   float64
Net primary school enrolment ratio female (%)           float64
Net primary school enrolment ratio male (%)             float64
Population (in thousands) total                         float64
dtype: object
Index:
RangeIndex(start=0, stop=202, step=1)
Data type:  object
Series shape:  (202,)
Index:  RangeIndex(start=0, stop=202, step=1)
Values:  ['Afghanistan' 'Albania' 'Algeria' 'Andorra' 'Angola'
 'Antigua and Barbuda' 'Argentina' 'Armenia' 'Australia' 'Austria'
 'Azerbaijan' 'Bahamas' 'Bahrain' 'Bangladesh' 'Barbados' 'Belarus'
 'Belgium' 'Belize' 'Benin' 'Bermuda' 'Bhutan' 'Bolivia'
 'Bosnia and Herzegovina' 'Botswana' 'Brazil' 'Brunei Darussalam'
 'Bulgaria' 'Burkina Faso' 'Burundi' 'Cambodia' 'Cameroon' 'Canada'
 'Cape Verde' 'Central African Republic' 'Chad' 'Chile' 'China' 'Colombia'
 'Comoros' 'Congo, Dem. Rep.' 'Congo, Rep.' 'Cook Islands' 'Costa Rica'
 "Cote d'Ivoire" 'Croatia' 'Cuba' 'Cyprus' 'Czech Republic' 'Denmark'
 'Djibouti' 'Dominica' 'Dominican Republic' 'Ecuador' 'Egypt'
 'El Salvador' 'Equatorial Guinea' 'Eritrea' 'Estonia' 'Ethiopia' 'Fiji'
 'Finland' 'France' 'French Polynesia' 'Gabon' 'Gambia' 'Georgia'
 'Germany' 'Ghana' 'Greece' 'Grenada' 'Guatemala' 'Guinea' 'Guinea-Bissau'
 'Guyana' 'Haiti' 'Honduras' 'Hong Kong, China' 'Hungary' 'Iceland'
 'India' 'Indonesia' 'Iran (Islamic Republic of)' 'Iraq' 'Ireland'
 'Israel' 'Italy' 'Jamaica' 'Japan' 'Jordan' 'Kazakhstan' 'Kenya'
 'Kiribati' 'Korea, Dem. Rep.' 'Korea, Rep.' 'Kuwait' 'Kyrgyzstan'
 "Lao People's Democratic Republic" 'Latvia' 'Lebanon' 'Lesotho' 'Liberia'
 'Libyan Arab Jamahiriya' 'Lithuania' 'Luxembourg' 'Macao, China'
 'Macedonia' 'Madagascar' 'Malawi' 'Malaysia' 'Maldives' 'Mali' 'Malta'
 'Marshall Islands' 'Mauritania' 'Mauritius' 'Mexico'
 'Micronesia (Federated States of)' 'Moldova' 'Monaco' 'Mongolia'
 'Montenegro' 'Morocco' 'Mozambique' 'Myanmar' 'Namibia' 'Nauru' 'Nepal'
 'Netherlands' 'Netherlands Antilles' 'New Caledonia' 'New Zealand'
 'Nicaragua' 'Niger' 'Nigeria' 'Niue' 'Norway' 'Oman' 'Pakistan' 'Palau'
 'Panama' 'Papua New Guinea' 'Paraguay' 'Peru' 'Philippines' 'Poland'
 'Portugal' 'Puerto Rico' 'Qatar' 'Romania' 'Russia' 'Rwanda'
 'Saint Kitts and Nevis' 'Saint Lucia' 'Saint Vincent and the Grenadines'
 'Samoa' 'San Marino' 'Sao Tome and Principe' 'Saudi Arabia' 'Senegal'
 'Serbia' 'Seychelles' 'Sierra Leone' 'Singapore' 'Slovakia' 'Slovenia'
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 'Samoa' 'San Marino' 'Sao Tome and Principe' 'Saudi Arabia' 'Senegal'
 'Serbia' 'Seychelles' 'Sierra Leone' 'Singapore' 'Slovakia' 'Slovenia'
 'Solomon Islands' 'Somalia' 'South Africa' 'Spain' 'Sri Lanka' 'Sudan'
 'Suriname' 'Swaziland' 'Sweden' 'Switzerland' 'Syria' 'Taiwan'
 'Tajikistan' 'Tanzania' 'Thailand' 'Timor-Leste' 'Togo' 'Tonga'
 'Trinidad and Tobago' 'Tunisia' 'Turkey' 'Turkmenistan' 'Tuvalu' 'Uganda'
 'Ukraine' 'United Arab Emirates' 'United Kingdom'
 'United States of America' 'Uruguay' 'Uzbekistan' 'Vanuatu' 'Venezuela'
 'Vietnam' 'West Bank and Gaza' 'Yemen' 'Zambia' 'Zimbabwe']
Name:  Country
Head:
            Open     High     Low   Close   ...  Adj. High  Adj. Low  Adj. Close  Adj. Volume
Date                                         ...
2010-06-29  19.00   25.0000  17.54  23.89   ...    25.0000     17.54      23.89   18766300.0
2010-06-30  25.79   30.4192  23.30  23.83   ...    30.4192     23.30      23.83   17187100.0
2010-07-01  25.00   25.9200  20.27  21.96   ...    25.9200     20.27      21.96    8218800.0
2010-07-02  23.00   23.1000  18.71  19.20   ...    23.1000     18.71      19.20    5139800.0
2010-07-06  20.00   20.0000  15.83  16.11   ...    20.0000     15.83      16.11    6866900.0

[5 rows x 12 columns]

Tail:
            Open     High     Low   Close   ...  Adj. High  Adj. Low  Adj. Close  Adj. Volume
Date                                         ...
2018-03-21  310.25  322.44  310.19  316.53  ...     322.44    310.19     316.53    5927881.0
2018-03-22  313.89  318.82  308.18  309.10  ...     318.82    308.18     309.10    4914307.0
2018-03-23  311.25  311.61  300.45  301.54  ...     311.61    300.45     301.54    6600538.0
2018-03-26  307.34  307.59  291.36  304.18  ...     307.59    291.36     304.18    8324639.0
2018-03-27  304.00  304.27  277.18  279.18  ...     304.27    277.18     279.18   13696168.0
```

```
[5 rows x 12 columns]
Last value:  Open                    304.00
High              304.27
Low               277.18
Close             279.18
Volume        13696168.00
Ex-Dividend           0.00
Split Ratio           1.00
Adj. Open         304.00
Adj. High         304.27
Adj. Low          277.18
Adj. Close        279.18
Adj. Volume    13696168.00
Name: 2018-03-27 00:00:00, dtype: float64
Data for June 1st, 2023:  Open                   304.00
High              304.27
Low               277.18
Close             279.18
Volume        13696168.00
Ex-Dividend           0.00
Split Ratio           1.00
Adj. Open         304.00
Adj. High         304.27
Adj. Low          277.18
Adj. Close        279.18
Adj. Volume    13696168.00
Name: 2018-03-27 00:00:00, dtype: float64
First Row for Each Group:          Food Price  Number
Weather
2                 5      28
6                56      64
9                53      31
14               56      24
31               77      10
34               14      13
35               69      10
89               40      47
99               33      88
Last Row for Each Group:           Food Price  Number
Weather
2                 5      28
6                56      64
9                53      31
14               56      24
31               77      10
34               51      98
35               69      10
89               40      47
99               33      88
Mean for Each Group:              Food Price  Number
Weather
2                5.0    28.0
6               56.0    64.0
9               53.0    31.0
14              56.0    24.0
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93              05.0    50.0
Aggregated Results:                     Number          Food Price
                     mean median        mean median
Weather Food Price
2        14          42.0   42.0        14.0   14.0
19       46          90.0   90.0        46.0   46.0
31       84          17.0   17.0        84.0   84.0
32       40          31.0   31.0        40.0   40.0
33       43          44.0   44.0        43.0   43.0
57       86          67.0   67.0        86.0   86.0
         98          93.0   93.0        98.0   98.0
77        1          94.0   94.0         1.0    1.0
79       25          15.0   15.0        25.0   25.0
93       63          90.0   90.0        63.0   63.0
Selected rows :      Weather  Food Price  Number
0        19          46       90
1        93          63       90
2        79          25       15
Concatenated DataFrame:      Weather  Food Price  Number
0        19          46       90
1        93          63       90
2        79          25       15
0        19          46       90
1        93          63       90
2        79          25       15
3        31          84       17
4        33          43       44
5        77           1       94
6         2          14       42
7        57          98       93
8        57          86       67
9        32          40       31
   EmpNr        Dest  Amount
0      5  The Hague    10.0
1      9  Rotterdam     5.0
       Country  CountryID  ...  Net primary school enrolment ratio male (%)  Population (in thousands) total
0  Afghanistan          1  ...                                          NaN                            26088
1      Albania          2  ...                                         94.0                             3172
2      Algeria          3  ...                                         96.0                            33351

[3 rows x 9 columns]
   Country  CountryID  ...  Net primary school enrolment ratio male (%)  Population (in thousands) total
1  Albania          2  ...                                         94.0                             3172
2  Algeria          3  ...                                         96.0                            33351
```