

Run

weather\_1 x



## BASIC DATA SUMMARY:

	Data.Precipitation	...	Data.Wind.Speed
count	16743.000000	...	16743.000000
mean	0.579090	...	6.329620
min	0.000000	...	0.000000
25%	0.000000	...	4.040000
50%	0.190000	...	5.940000
75%	0.750000	...	8.080000
max	20.890000	...	61.100000
std	6.988057	...	3.494785

[8 rows x 10 columns]

## Missing Values:

Data.Precipitation	0
Date.Full	10100
Date.Month	0
Date.Week of	0
Date.Year	0
Station.City	0
Station.Code	0
Station.Location	0

Run weather\_1 x



[8 rows x 18 columns]

Missing Values:

Data.Precipitation	0
Date.Full	10100
Date.Month	0
Date.Week of	0
Date.Year	0
Station.City	0
Station.Code	0
Station.Location	0
Station.State	0
Data.Temperature.Avg Temp	0
Data.Temperature.Max Temp	0
Data.Temperature.Min Temp	0
Data.Wind.Direction	0
Data.Wind.Speed	0
dtype:	int64

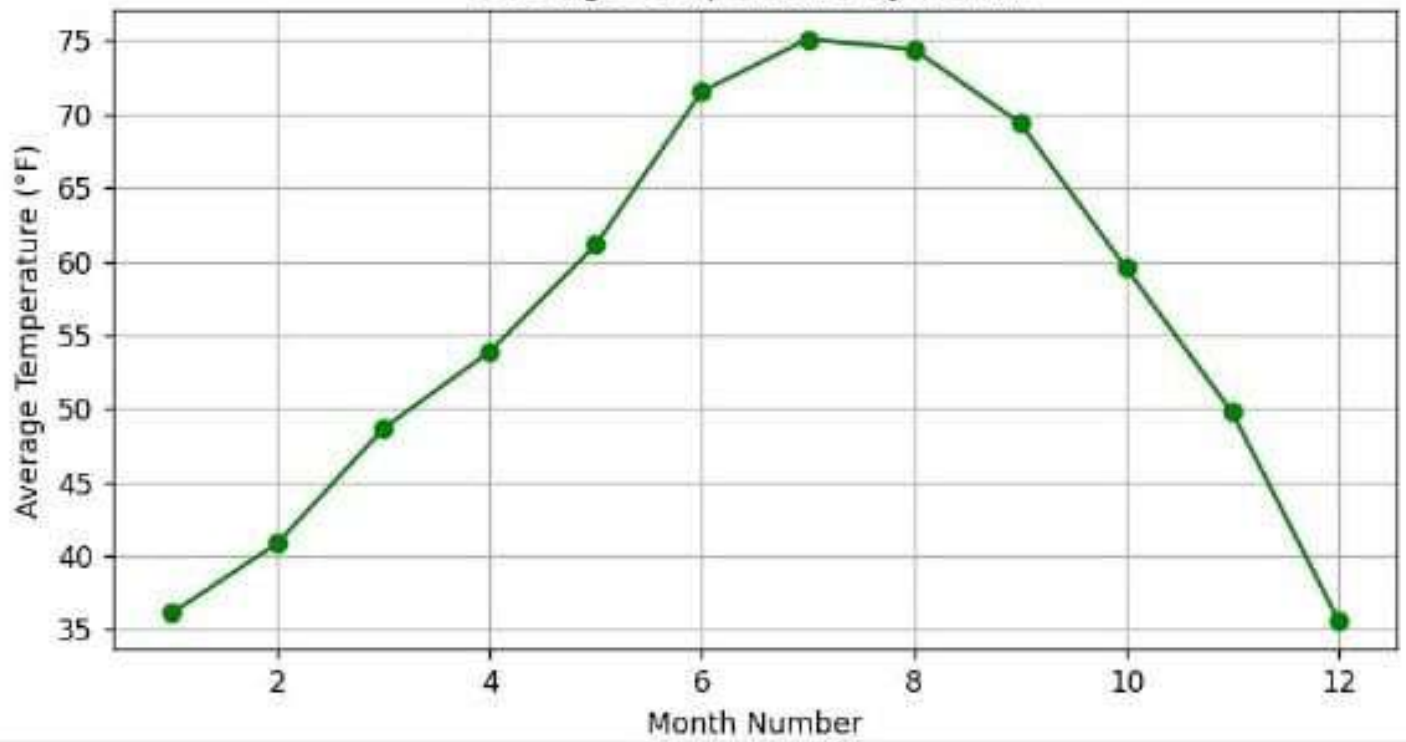
```
C:\Users\nsg94\PycharmProjects\mouni\.venv\Scripts\python.exe C:\Users\nsg94\PycharmProjects\mouni\weather_1.py
Data.Precipitation  Date.Full  ...  Data.Wind.Direction  Data.Wind.Speed
0                0.00  03-01-2016  ...                33                4.33
1                0.00  03-01-2016  ...                32                3.86
2                0.16  03-01-2016  ...                35                9.73
3                0.00  03-01-2016  ...                32                6.86
4                0.01  03-01-2016  ...                19                7.80
...                ...      ...      ...                ...                ...
16738            0.08  01-01-2017  ...                23                19.98
16739            0.00  01-01-2017  ...                26                15.16
16740            0.00  01-01-2017  ...                26                 1.65
16741            0.06  01-01-2017  ...                24                18.16
16742            0.10  01-01-2017  ...                23                 7.51

[16743 rows x 14 columns]
Dataset loaded successfully!
Total Rows: 16743, Columns: 14

Columns List:
['Data.Precipitation', 'Date.Full', 'Date.Month', 'Date.Week of', 'Date.Year', 'Station.City', 'Station.Code', 'Station.Location', 'Station.State', 'Data.Temperature.Avg Tem

Process finished with exit code 0
```

Average Temperature by Month



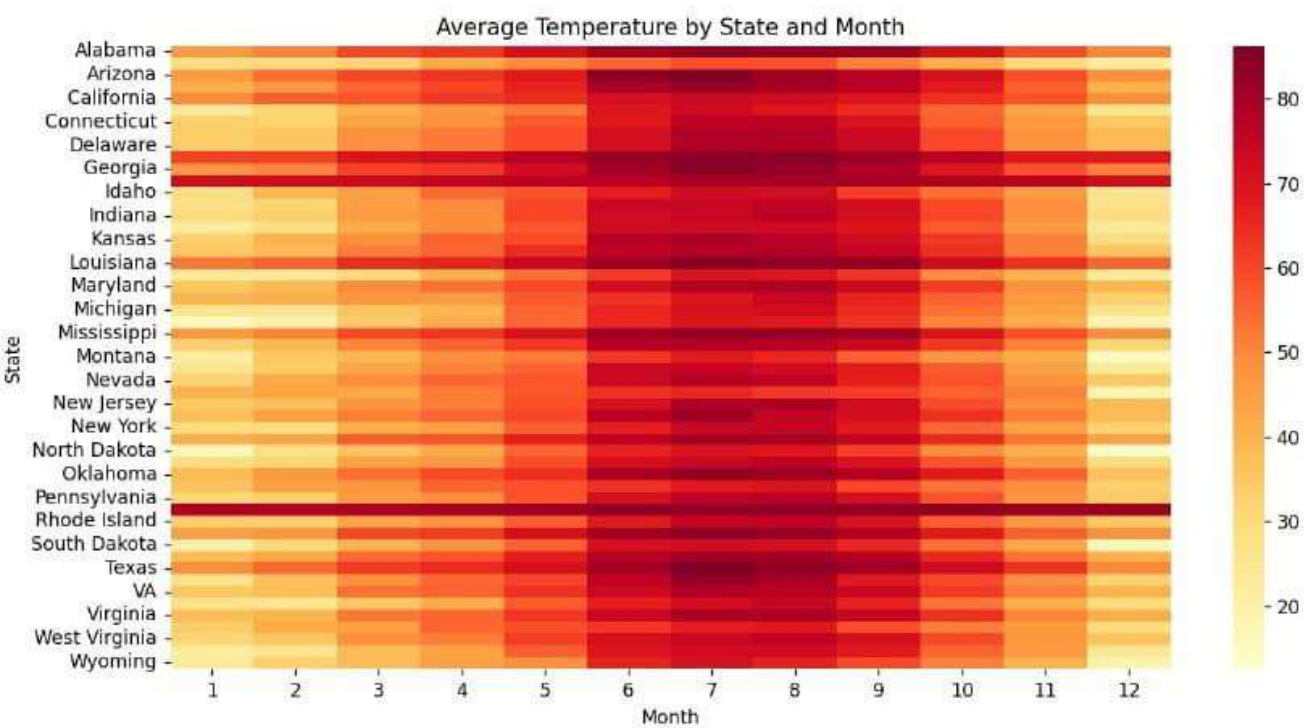
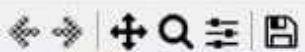
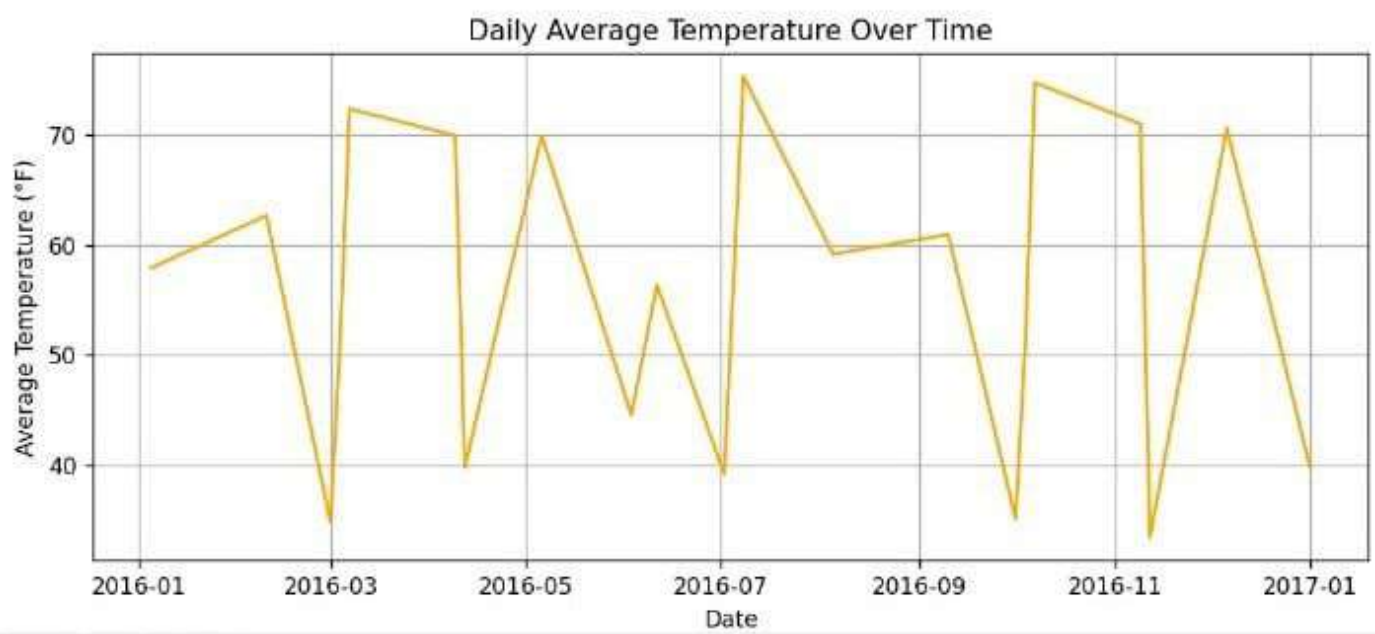
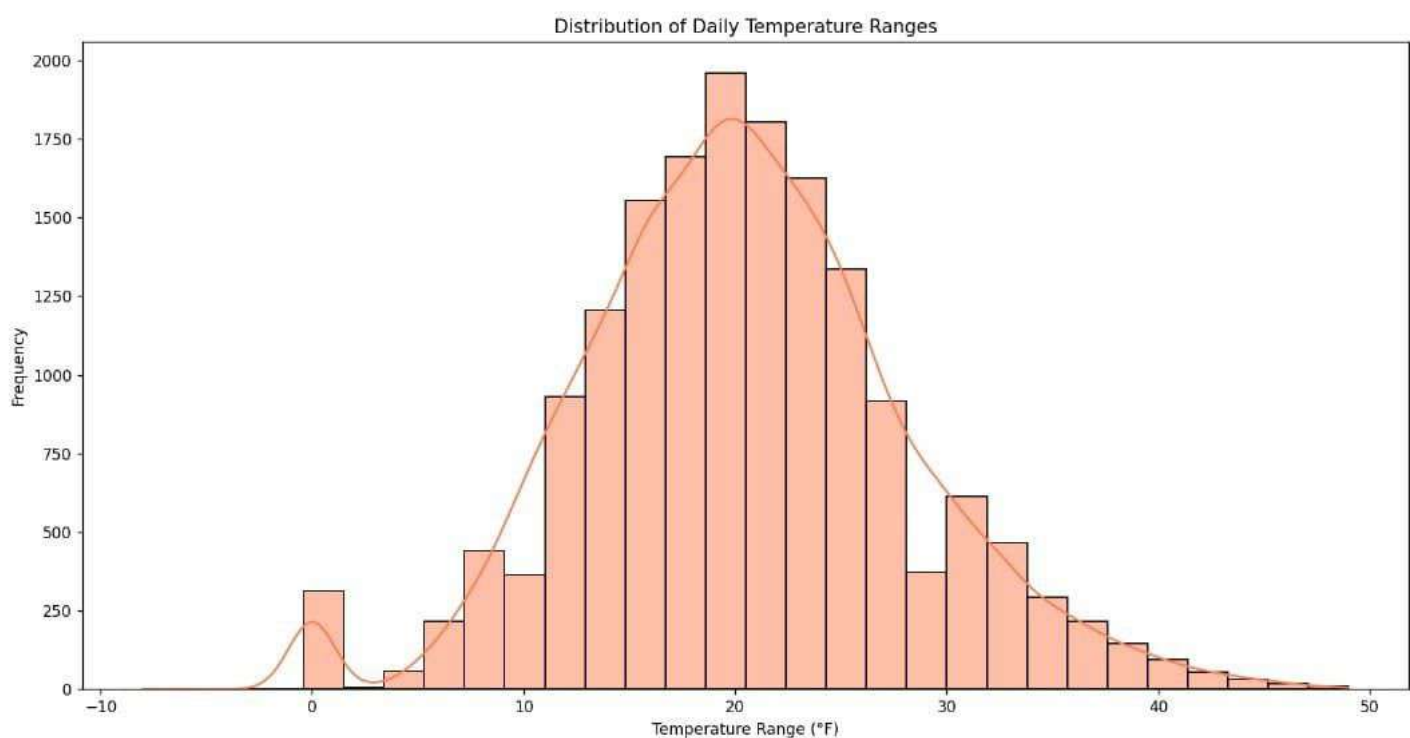


Figure 1





Temperature Distribution for Top 5 Cities

