

Scratches and Consoles

16

`df.drop_duplicates(inplace=True)`

Run weather_1 ×

BASIC DATA SUMMARY:

	Data.Precipitation	...	Data.Wind.Speed
count	16743.000000	...	16743.000000
mean	0.579090	...	6.329820
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

Strategies and outcomes

5

```
df.drop_duplicates(inplace=True)
```

8

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[8 rows x 10 columns]

Missing Values:

```
Data.Precipitation          0  
Date.Full                  10189  
Date.Month                 9  
Date.Week.of                9  
Date.Year                  9  
Station.City                9  
Station.Code                 9  
Station.Location             9  
Station.State                9  
Data.Temperature.Avg.Temp    9  
Data.Temperature.Max.Temp    9  
Data.Temperature.Min.Temp    9  
Data.Wind.Direction           9  
Data.Wind.Speed               9  
  
dtype: int64
```

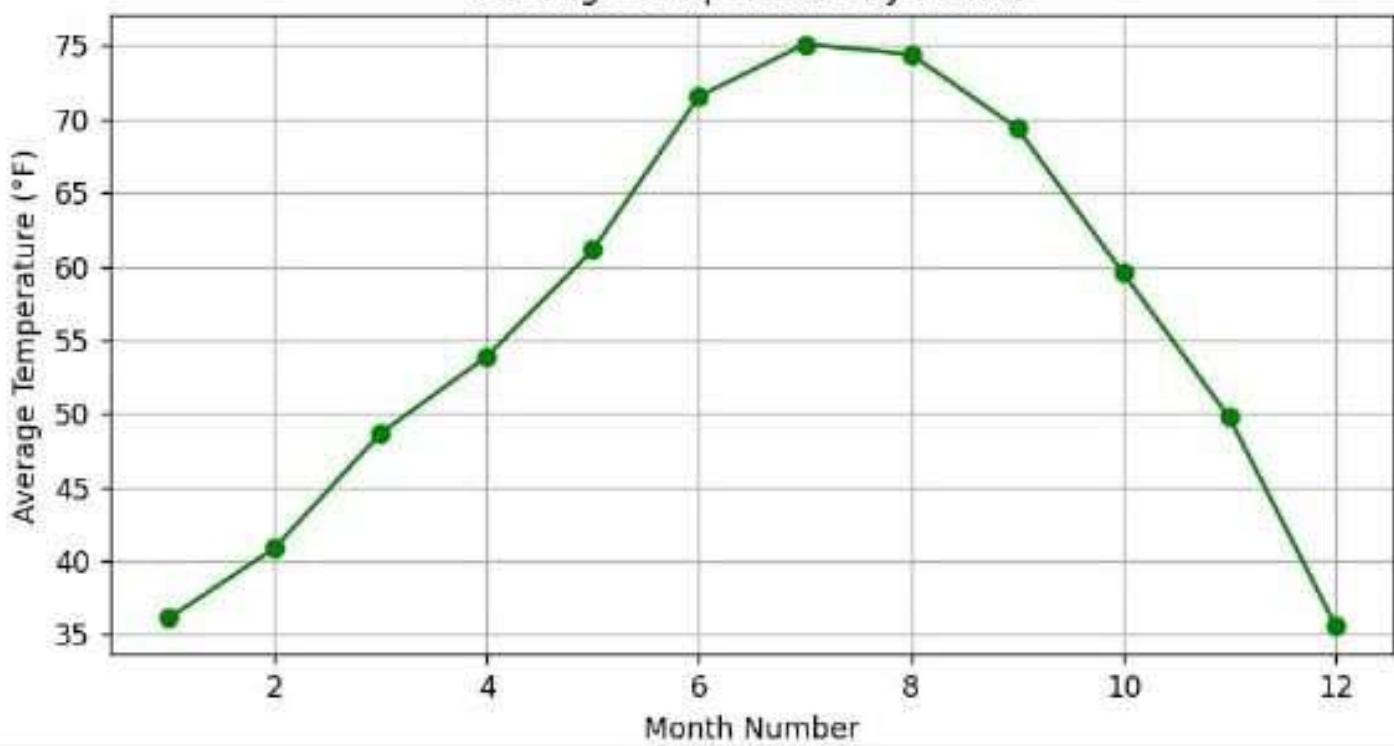
```
C:\Users\nsg94\PycharmProjects\mouni\.venv\Scripts\python.exe C:\Users\nsg94\PycharmProjects\mouni\weather_1.py
   Data.Precipitation  Date.Full ...  Data.Wind.Direction  Data.Wind.Speed
0          0.00  03-01-2016 ...           33            4.33
1          0.00  03-01-2016 ...           32            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



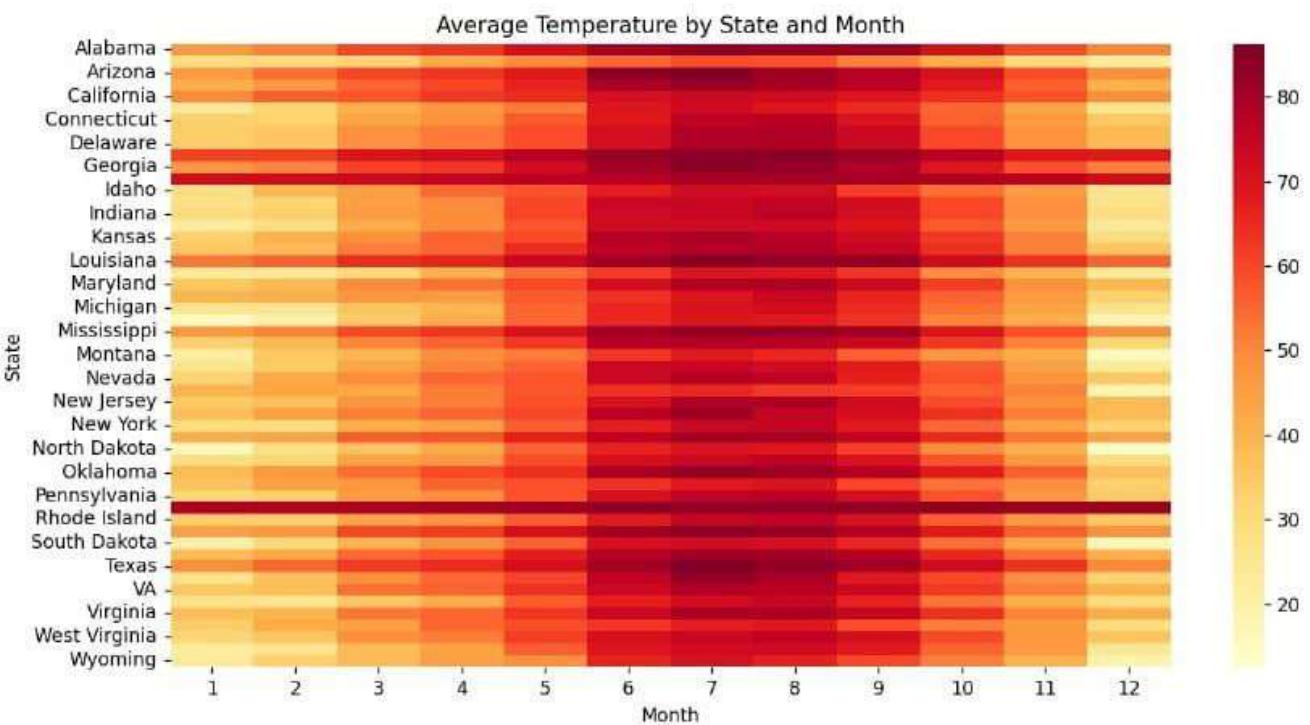
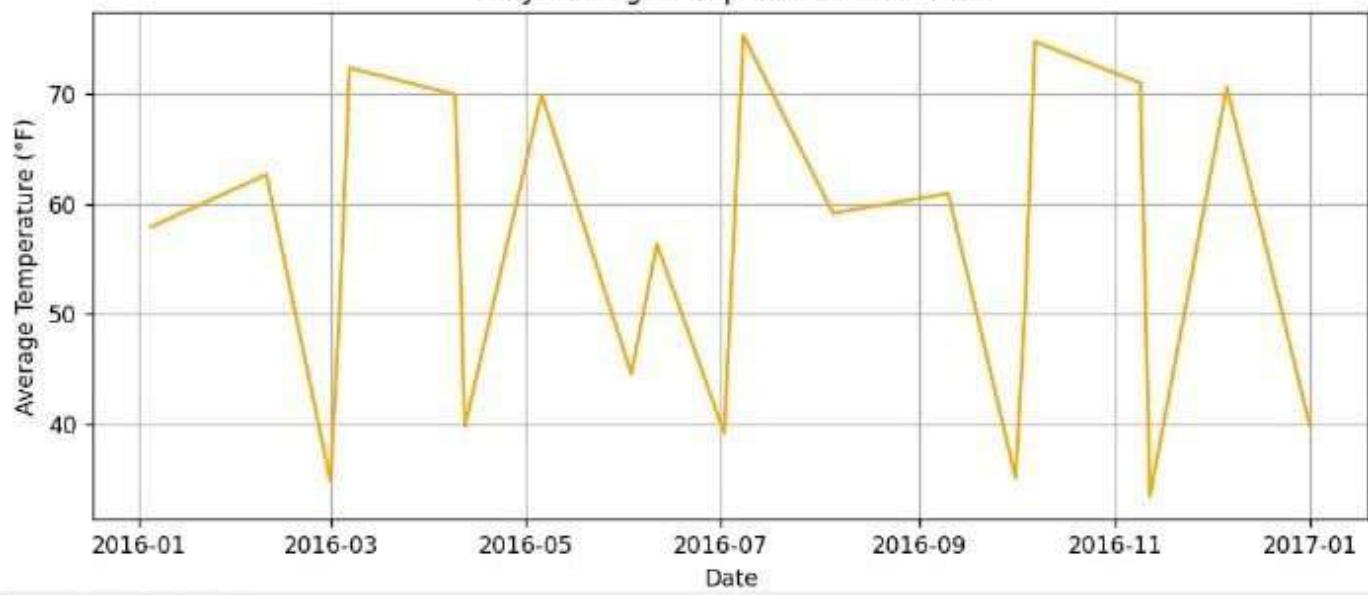


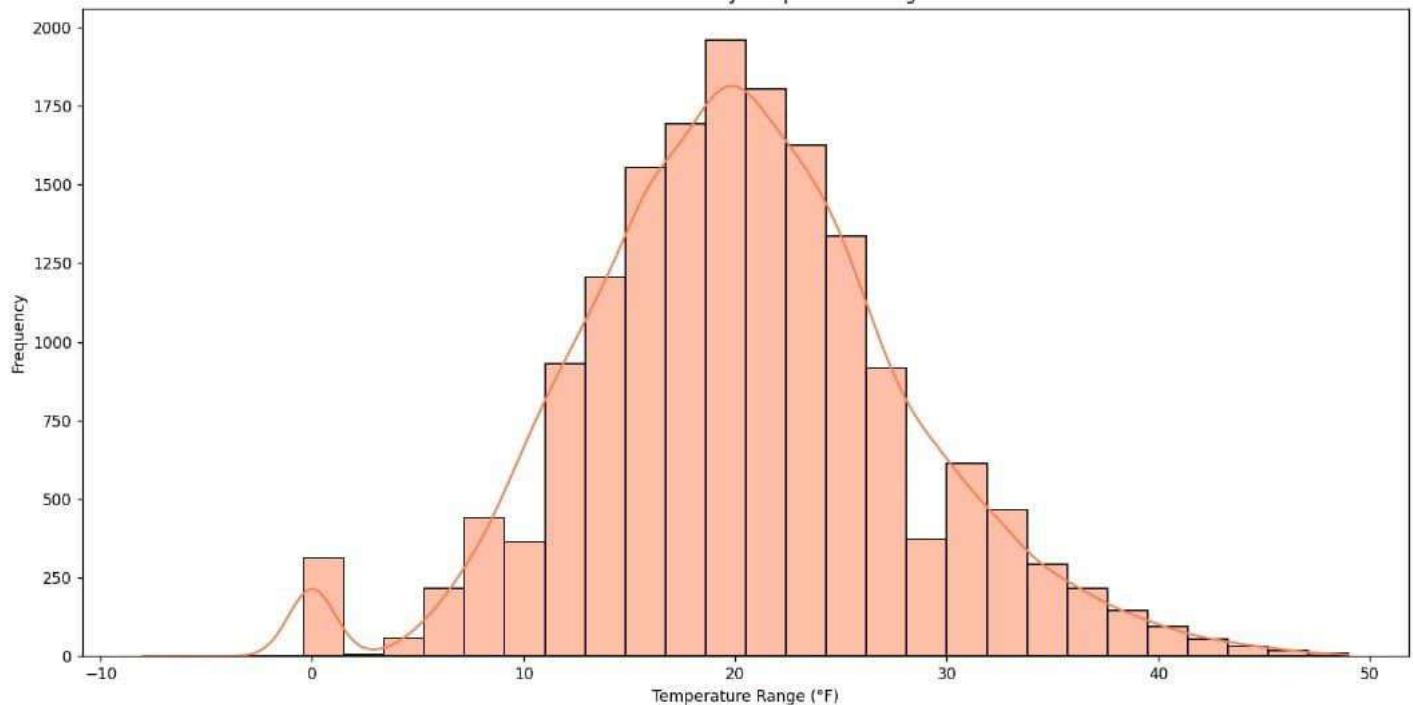
Figure 1

Daily Average Temperature Over Time



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Distribution of Daily Temperature Ranges



Temperature Distribution for Top 5 Cities

