

Report Generated

Table Used

date	Temperature	DewPoint	Humidity	Wind	WinSpeed	WindGust	Pressure	Precip	target
01/01/2002	19	13	77	ENE	14	0	24.73	0.0	Cloudy
02/01/2002	10	-3	56	SE	5	0	24.94	0.0	Mostly Cloudy
04/01/2002	30	14	51	W	9	0	24.45	0.0	Partly Cloudy
05/01/2002	25	18	75	CALM	0	0	24.74	0.0	Mostly Cloudy
06/01/2002	23	9	55	SSE	13	0	24.74	0.0	Mostly Cloudy
07/01/2002	34	18	52	SSW	13	0	24.7	0.0	Partly Cloudy
08/01/2002	43	20	40	SW	15	0	24.57	0.0	Fair
10/01/2002	31	30	96	NE	12	0	24.67	0.0	Cloudy
11/01/2002	29	16	58	SSW	17	0	24.81	0.0	Fair
12/01/2002	31	17	57	CALM	0	0	24.87	0.0	Fair

Summary of Table

index	Temperature	DewPoint	Humidity	WinSpeed	WindGust	Pressure	Precip
count	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0
mean	32.226	12.852	51.852	11.046	2.064	24.586	0.0
std	14.257	8.486	24.052	5.989	8.066	0.223	0.004
min	-3.0	-13.0	7.0	0.0	0.0	24.04	0.0
25%	22.0	7.0	32.0	7.0	0.0	24.42	0.0
50%	31.0	13.0	50.0	10.0	0.0	24.6	0.0
75%	41.0	19.0	72.0	14.0	0.0	24.74	0.0
max	74.0	33.0	100.0	39.0	49.0	25.2	0.1

Top 5 correlated columns:

Feature	Correlation
Temperature	2.116
Humidity	1.895
Pressure	1.511
WinSpeed	1.364
WindGust	1.319

Here are some daily statistics about the data:

The maximum Temperature was 74 on 2002-04-01T14:53:00.000000000

The minimum Temperature was -3 on 2002-03-02T04:53:00.000000000

The maximum Humidity was 100 on 2002-01-02T08:53:00.000000000

The minimum Humidity was 7 on 2002-02-11T15:53:00.000000000

The maximum Pressure was 25.2 on 2002-03-21T12:53:00.000000000

The minimum Pressure was 24.04 on 2002-03-14T00:53:00.000000000

The maximum WinSpeed was 39 on 2002-02-09T11:53:00.000000000

The minimum WinSpeed was 0 on 2002-01-05T00:53:00.000000000

Time-based analysis about the data:

-----Hourly-----

Temperature is highest between 15:00 and 16:00 with an average value of 43.289

Temperature is lowest between 5:00 and 6:00 with an average value of 24.0

-----Hourly-----

Humidity is highest between 5:00 and 6:00 with an average value of 65.548

Humidity is lowest between 15:00 and 16:00 with an average value of 33.639

-----Hourly-----

Pressure is highest between 7:00 and 8:00 with an average value of 24.626

Pressure is lowest between 14:00 and 15:00 with an average value of 24.536

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-----Hourly-----

WinSpeed is highest between 14:00 and 15:00 with an average value of 13.061

WinSpeed is lowest between 19:00 and 20:00 with an average value of 9.244

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-----Day of Week-----

Temperature is highest on Monday with an average value of 34.033

Temperature is lowest on Thursday with an average value of 30.404

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-----Day of Week-----

Humidity is highest on Thursday with an average value of 56.575

Humidity is lowest on Sunday with an average value of 47.903

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-----Day of Week-----

Pressure is highest on Thursday with an average value of 24.614

Pressure is lowest on Monday with an average value of 24.552

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-----Day of Week-----

WinSpeed is highest on Wednesday with an average value of 11.832

WinSpeed is lowest on Tuesday with an average value of 9.455

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Temperature is highest on day 23 with an average value of 48.542

Temperature is lowest on day 2 with an average value of 17.524

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Humidity is highest on day 24 with an average value of 76.583

Humidity is lowest on day 23 with an average value of 35.667

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Pressure is highest on day 3 with an average value of 24.82

Pressure is lowest on day 23 with an average value of 24.235

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WinSpeed is highest on day 9 with an average value of 18.14

WinSpeed is lowest on day 12 with an average value of 7.366

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Temperature is highest in week number 14 with an average value of 43.195

Temperature is lowest in week number 9 with an average value of 12.976

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Humidity is highest in week number 9 with an average value of 67.754

Humidity is lowest in week number 6 with an average value of 34.565

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Pressure is highest in week number 9 with an average value of 24.765

Pressure is lowest in week number 4 with an average value of 24.372

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WinSpeed is highest in week number 14 with an average value of 17.463

WinSpeed is lowest in week number 1 with an average value of 8.442

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Temperature is highest in the 2nd quarter with an average value of 43.195

Temperature is highest in the 1st quarter with an average value of 31.997

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Humidity is highest in the 1st quarter with an average value of 52.1

Humidity is highest in the 2nd quarter with an average value of 40.049

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Pressure is highest in the 1st quarter with an average value of 24.588

Pressure is highest in the 2nd quarter with an average value of 24.475

WinSpeed is highest in the 2nd quarter with an average value of 17.463

WinSpeed is highest in the 1st quarter with an average value of 10.911

Forecasted Data

Temperature will drop 10% in 3 days (2002-04-07), with a value of 29.077

Temperature will drop 25% in 5 days (2002-04-09), with a value of 23.637

Temperature will drop 50% in 7 days (2002-04-11), with a value of 15.144

Pressure will jump 10% in 8 days (2002-04-12), with a value of 27.546

WinSpeed will jump 10% in 4 days (2002-04-08), with a value of 12.004

WinSpeed will jump 25% in 7 days (2002-04-11), with a value of 13.377

WindGust will jump 10% in 1 day (2002-04-05), with a value of 2.158

WindGust will jump 25% in 1 day (2002-04-05), with a value of 2.158

WindGust will jump 50% in 4 days (2002-04-08), with a value of 3.469

WindGust will jump 75% in 4 days (2002-04-08), with a value of 3.469

WindGust will jump 100% in 6 days (2002-04-10), with a value of 4.424