Report Generated

Table Used

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

Monthly grouped values (Mean)

Month	Temperature	DewPoint	Humidity	WinSpeed	Pressure
January	29.973	12.877	54.248	10.288	24.573
February	31.981	8.697	44.61	12.13	24.666
March	33.785	16.487	56.77	10.39	24.534
April	43.195	12.463	40.049	17.463	24.475

Year	Temperature	DewPoint	Humidity	WinSpeed	Pressure
2002	32.226	12.852	51.852	11.046	24.586

Top 3 features

Feature	Correlation
Temperature	1.858
Humidity	1.573
Pressure	1.344

Highest and lowest values in 5 important columns

The maximum Temperature was 74 on 01-04-2002 at 14:53

The minimum Temperature was -3 on 02-03-2002 at 04:53

The maximum Humidity was 100 on 02-01-2002 at 08:53

The minimum Humidity was 7 on 11-02-2002 at 15:53

The maximum Pressure was 25.2 on 21-03-2002 at 12:53

The minimum Pressure was 24.04 on 14-03-2002 at 00:53

The maximum DewPoint was 33 on 19-02-2002 at 00:53

The minimum DewPoint was -13 on 03-03-2002 at 06:53

The maximum WinSpeed was 39 on 09-02-2002 at 11:53

The minimum WinSpeed was 0 on 05-01-2002 at 00:53

Time period analysis

Temperature

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

Temperature is highest on Monday with an average value of 34.033

Temperature is lowest on Thursday with an average value of 30.404

Temperature is highest on the 91 day of the year with an average value of 64.842

Temperature is lowest on the 61 day of the year with an average value of 3.75

Humidity

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

Humidity is highest on Thursday with an average value of 56.575

Humidity is lowest on Sunday with an average value of 47.903

Humidity is highest on the 73 day of the year with an average value of 87.524

Humidity is lowest on the 91 day of the year with an average value of 14.0

Pressure

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

Pressure is highest on Thursday with an average value of 24.614

Pressure is lowest on Monday with an average value of 24.552

Pressure is highest on the 80 day of the year with an average value of 25.057

Pressure is lowest on the 72 day of the year with an average value of 24.179

DewPoint

DewPoint is highest between 9:00 and 10:00 with an average value of 14.035

DewPoint is lowest between 7:00 and 8:00 with an average value of 11.639

DewPoint is highest on Monday with an average value of 14.059

DewPoint is lowest on Saturday with an average value of 11.862

DewPoint is highest on the 72 day of the year with an average value of 26.333

DewPoint is lowest on the 62 day of the year with an average value of -4.25

WinSpeed
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
WinSpeed is highest on Wednesday with an average value of 11.832
WinSpeed is lowest on Tuesday with an average value of 9.455
WinSpeed is highest on the 40 day of the year with an average value of 25.25
WinSpeed is lowest on the 74 day of the year with an average value of 5.348

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

DewPoint will drop 10% in 6 days (2002-04-10), with a value of 12.686

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