

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	50000.0	50000.0	50000.0	50000.0	50000.0
mean	50.552	28.596	51.278	10.159	24.5
std	20.185	15.433	24.552	5.404	0.191
min	-16.0	-22.0	3.0	0.0	23.69
25%	35.0	17.0	31.0	7.0	24.38
50%	50.0	27.0	49.0	9.0	24.49
75%	66.0	41.0	71.0	13.0	24.62
max	103.0	65.0	100.0	47.0	25.25

Monthly grouped values (Mean)

Month	Temperature	DewPoint	Humidity	WinSpeed	Pressure	month
1	31.509	14.463	55.531	9.942	24.588	January
2	31.299	14.765	57.311	9.905	24.564	February
3	40.251	19.443	52.047	10.821	24.488	March
4	48.3	24.325	50.721	11.93	24.436	April

5	58.298	35.254	51.633	10.433	24.42	May
6	67.564	41.596	47.183	10.372	24.425	June
7	75.69	46.778	42.472	9.745	24.46	July
8	71.039	47.724	50.261	9.785	24.486	August
9	62.453	37.134	47.491	9.655	24.486	September
10	50.23	27.793	52.105	9.569	24.51	October
11	38.762	19.329	53.402	9.522	24.583	November
12	31.362	14.926	55.478	9.936	24.571	December

Yearly grouped values (Mean)

Year	Temperature	DewPoint	Humidity	WinSpeed	Pressure
2002	49.737	26.568	48.796	10.451	24.51
2003	50.577	29.897	53.395	9.961	24.5
2004	49.462	30.167	55.821	9.966	24.521
2005	51.39	28.978	51.071	10.106	24.493
2006	51.525	27.162	47.099	10.551	24.502
2007	50.571	30.286	53.769	9.779	24.506
2008	50.684	26.003	47.206	10.404	24.446

Top 3 features

Feature	Correlation
Temperature	1.735
Humidity	1.227
Pressure	1.179

Highest and lowest values in 5 important columns

The maximum Temperature was 103 on 21-07-2005 at 14:53

The minimum Temperature was -16 on 02-02-2007 at 03:53

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

The minimum Humidity was 3 on 17-04-2006 at 14:53

The maximum Pressure was 25.25 on 01-01-2008 at 19:53

The minimum Pressure was 23.69 on 21-05-2008 at 17:53

The maximum DewPoint was 65 on 03-08-2007 at 08:53

The minimum DewPoint was -22 on 12-02-2004 at 00:53

The maximum WinSpeed was 47 on 20-12-2004 at 04:53

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

Time period analysis

Temperature

Temperature is highest between 14:00 and 15:00 with an average value of 62.065
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Temperature is lowest between 5:00 and 6:00 with an average value of 41.165

Temperature is highest on Monday with an average value of 51.131
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Temperature is lowest on Thursday with an average value of 49.76
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Temperature is highest on the 195 day of the year with an average value of 79.851

Temperature is lowest on the 16 day of the year with an average value of 19.84
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Humidity

Humidity is highest between 5:00 and 6:00 with an average value of 65.912

Humidity is lowest between 14:00 and 15:00 with an average value of 33.431
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Humidity is highest on Thursday with an average value of 53.277

Humidity is lowest on Tuesday with an average value of 50.334

Humidity is highest on the 46 day of the year with an average value of 72.542
Humidity is lowest on the 259 day of the year with an average value of 27.069

Pressure

Pressure is highest between 8:00 and 9:00 with an average value of 24.538
Pressure is lowest between 15:00 and 16:00 with an average value of 24.456
Pressure is highest on Thursday with an average value of 24.507
Pressure is lowest on Wednesday with an average value of 24.492
Pressure is highest on the 337 day of the year with an average value of 24.796
Pressure is lowest on the 106 day of the year with an average value of 24.264

DewPoint

DewPoint is highest between 22:00 and 23:00 with an average value of 29.618
DewPoint is lowest between 14:00 and 15:00 with an average value of 26.591
DewPoint is highest on Friday with an average value of 29.042
DewPoint is lowest on Sunday with an average value of 27.939
DewPoint is highest on the 218 day of the year with an average value of 53.625
DewPoint is lowest on the 20 day of the year with an average value of 8.208

WinSpeed

WinSpeed is highest between 17:00 and 18:00 with an average value of 11.782
WinSpeed is lowest between 9:00 and 10:00 with an average value of 8.986
WinSpeed is highest on Tuesday with an average value of 10.419
WinSpeed is lowest on Sunday with an average value of 9.839
WinSpeed is highest on the 106 day of the year with an average value of 14.742
WinSpeed is lowest on the 305 day of the year with an average value of 6.659

Forecasted Data

Temperature will drop 10% in 67 days (2008-10-05), with a value of 65.87

Temperature will drop 25% in 99 days (2008-11-06), with a value of 54.934

Temperature will drop 50% in 139 days (2008-12-16), with a value of 36.703

Humidity will jump 10% in 5 days (2008-08-04), with a value of 38.034

Humidity will jump 25% in 134 days (2008-12-11), with a value of 43.225

DewPoint will drop 10% in 64 days (2008-10-02), with a value of 34.98

DewPoint will drop 25% in 82 days (2008-10-20), with a value of 28.932

DewPoint will drop 50% in 117 days (2008-11-24), with a value of 18.872

WinSpeed will drop 10% in 13 days (2008-08-12), with a value of 8.979