Y_Test_EDA_Report   Overview   Variables   Interactions   Correlations   Missing values   Sample

Overview

Brought to you by YData

| Overview | Alerts 22 | Reproduction |

Dataset statistics

Number of variables	22
Number of observations	1757
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	507.4 KiB
Average record size in memory	295.7 B

Variable types

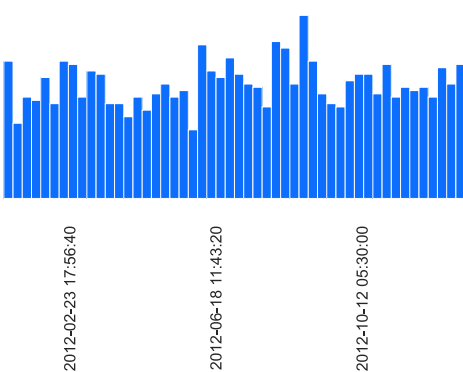|	
DateTime	1
Numeric	18
Categorical	3

Variables

Select Columns

Date/Time

Date

Unique

Distinct	1757	**Minimum**	2012-01-01 03:00:00	
Distinct (%)	100.0%	**Maximum**	2012-12-31 10:00:00	
Missing	0	**Invalid dates**	0	
Missing (%)	0.0%	**Invalid dates (%)**	0.0%	
Memory size	27.5 KiB			

More details

Temp_C

Real number (ℝ)

High correlation

Distinct	451		Minimum	-21.1
Distinct (%)	25.7%		Maximum	33
Missing	0		Zeros	5
Missing (%)	0.0%		Zeros (%)	0.3%
Infinite	0		Negative	426
Infinite (%)	0.0%		Negative (%)	24.2%
Mean	9.2586227		Memory size	27.5 KiB
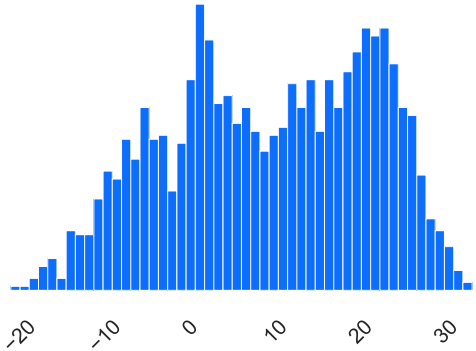
More details

Dew Point Temp_C
Real number (ℝ)

High correlation

Distinct	415		Minimum	-26.6
Distinct (%)	23.6%		Maximum	22
Missing	0		Zeros	4
Missing (%)	0.0%		Zeros (%)	0.2%
Infinite	0		Negative	704
Infinite (%)	0.0%		Negative (%)	40.1%
Mean	3.1735344		Memory size	27.5 KiB
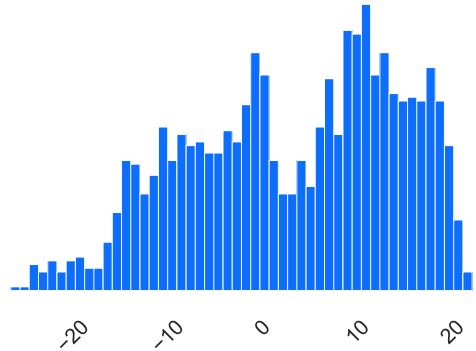
More details

Rel Hum_%
Real number (ℝ)

High correlation

Distinct	80		Minimum	21
Distinct (%)	4.6%		Maximum	100
Missing	0		Zeros	0
Missing (%)	0.0%		Zeros (%)	0.0%
Infinite	0		Negative	0
Infinite (%)	0.0%		Negative (%)	0.0%
Mean	68.20774		Memory size	27.5 KiB

More details

Wind Speed_km/h
Real number (ℝ)

High correlation   **Zeros**

Distinct	28	**Minimum**	0	
Distinct (%)	1.6%	**Maximum**	52	
Missing	0	**Zeros**	67	
Missing (%)	0.0%	**Zeros (%)**	3.8%	
Infinite	0	**Negative**	0	
Infinite (%)	0.0%	**Negative (%)**	0.0%	
Mean	14.591349	**Memory size**	27.5 KiB	
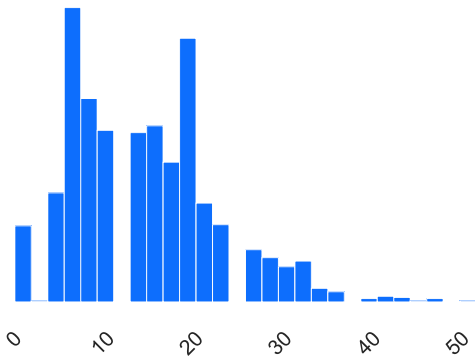
More details

Visibility_km

Real number (ℝ)

High correlation

Distinct	24	**Minimum**	0.2
Distinct (%)	1.4%	**Maximum**	48.3
Missing	0	**Zeros**	0
Missing (%)	0.0%	**Zeros (%)**	0.0%
Infinite	0	**Negative**	0
Infinite (%)	0.0%	**Negative (%)**	0.0%
Mean	27.263062	**Memory size**	27.5 KiB

More details

Press_kPa

Real number (ℝ)

High correlation

Distinct	374	**Minimum**	97.75
Distinct (%)	21.3%	**Maximum**	103.63
Missing	0	**Zeros**	0
Missing (%)	0.0%	**Zeros (%)**	0.0%
Infinite	0	**Negative**	0
Infinite (%)	0.0%	**Negative (%)**	0.0%
Mean	101.06452	**Memory size**	27.5 KiB

More details

Weather

Categorical

High correlation

file:///C:/Users/nithi/OneDrive/Desktop/MNK/Portfolio/Projects/Project-3 SafeRoute Weather-Driven Delivery Feasibility/Y_Test_EDA.html

3/10

Distinct	27
Distinct (%)	1.5%
Missing	0
Missing (%)	0.0%
Memory size	127.2 KiB

Mostly Clo...	422
Mainly Clear	401
Cloudy	343
Clear	266
Snow	72
Other valu...	253

More details

Delivery_Risk

Categorical

High correlation

Distinct	3
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	119.4 KiB

Safe	1113
Risky	446
Caution	198

More details

Labelled_Delivery_Risk

Categorical

High correlation

Distinct	3
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	113.2 KiB

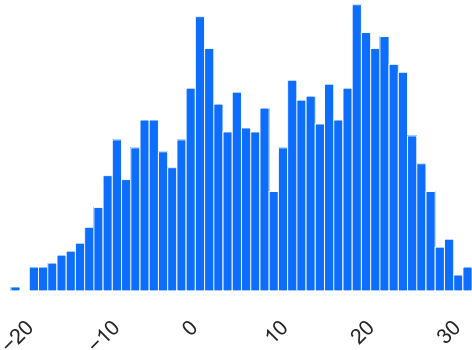|	
2	1113
1	446
0	198

More details

Temp_C_rolling_mean

Real number (ℝ)

High correlation

Distinct	1423	**Minimum**	-20.866667
Distinct (%)	81.0%	**Maximum**	32.6
Missing	0	**Zeros**	0
Missing (%)	0.0%	**Zeros (%)**	0.0%
Infinite	0	**Negative**	430
Infinite (%)	0.0%	**Negative (%)**	24.5%

| Mean | 9.2515083 | Memory size | 27.5 KiB |
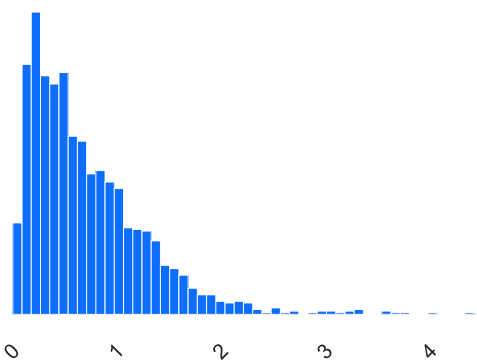
More details

Temp_C_rolling_std
Real number (ℝ)

High correlation

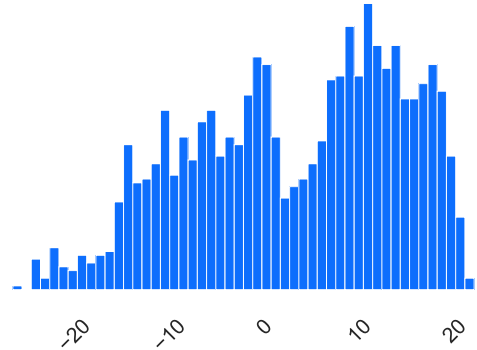| Distinct | 1738 | Minimum | 0 |
Distinct (%)	98.9%	Maximum	4.419276
Missing	0	Zeros	10
Missing (%)	0.0%	Zeros (%)	0.6%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	0.71750974	Memory size	27.5 KiB

More details

Dew Point Temp_C_rolling_mean
Real number (ℝ)

High correlation

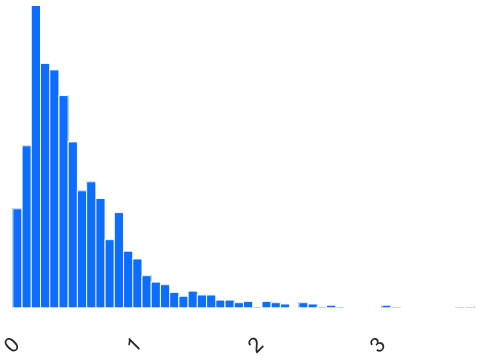| Distinct | 1307 | Minimum | -26.533333 |
Distinct (%)	74.4%	Maximum	22
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	706
Infinite (%)	0.0%	Negative (%)	40.2%
Mean	3.154392	Memory size	27.5 KiB

More details

Dew Point Temp_C_rolling_std
Real number (ℝ)

Distinct	1724	Minimum	0
Distinct (%)	98.1%	Maximum	3.7819748
Missing	0	Zeros	13
Missing (%)	0.0%	Zeros (%)	0.7%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%

| Mean | 0.52730904 | Memory size | 27.5 KiB |
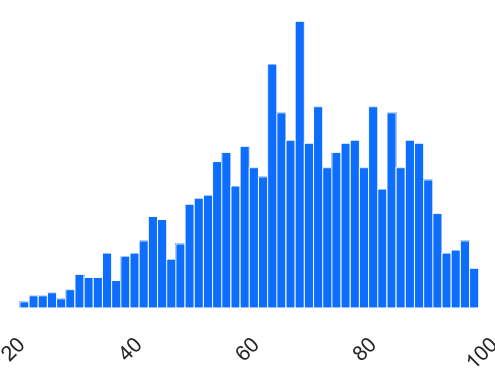
More details

Rel Hum_%_rolling_mean

Real number (ℝ)

High correlation

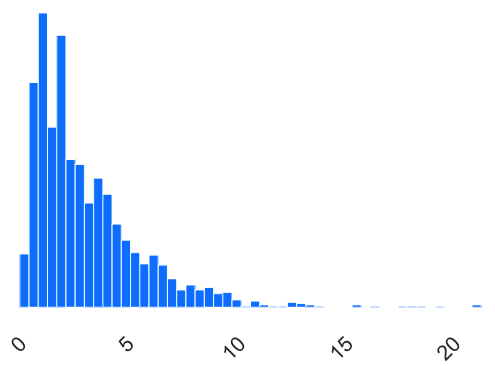| Distinct | 221 | Minimum | 21 |
Distinct (%)	12.6%	Maximum	99.333333
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	68.181559	Memory size	27.5 KiB

More details

Rel Hum_%_rolling_std

Real number (ℝ)

High correlation   **Zeros**

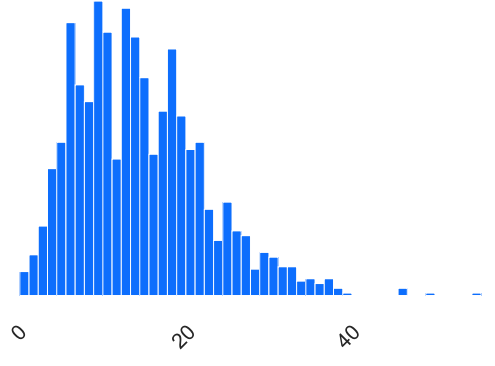| Distinct | 1670 | Minimum | 0 |
Distinct (%)	95.0%	Maximum	21.45538
Missing	0	Zeros	43
Missing (%)	0.0%	Zeros (%)	2.4%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	3.1222138	Memory size	27.5 KiB

More details

Wind Speed_km/h_rolling_mean

Real number (ℝ)

High correlation

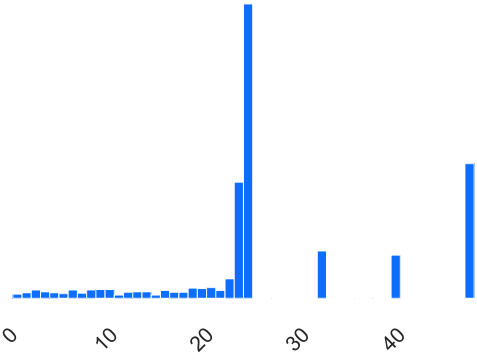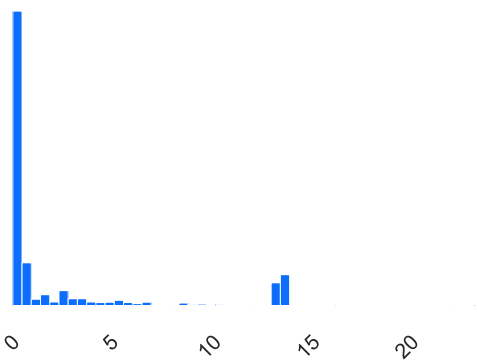| Distinct | 113 | Minimum | 0 |
Distinct (%)	6.4%	Maximum	56
Missing	0	Zeros	10
Missing (%)	0.0%	Zeros (%)	0.6%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%

| Mean | 14.566116 | Memory size | 27.5 KiB |
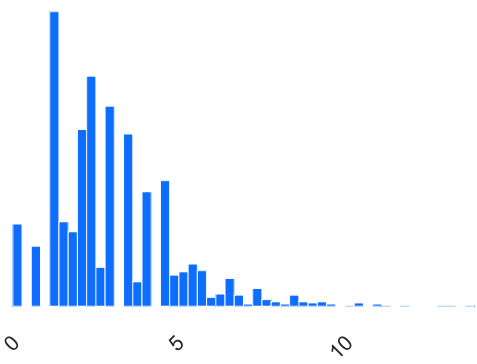
<div align="right">More details</div>

Wind Speed_km/h_rolling_std
Real number (ℝ)

Zeros

Distinct	1543	**Minimum**	0
Distinct (%)	87.8%	**Maximum**	14.0119
Missing	0	**Zeros**	74
Missing (%)	0.0%	**Zeros (%)**	4.2%
Infinite	0	**Negative**	0
Infinite (%)	0.0%	**Negative (%)**	0.0%
Mean	2.959602	**Memory size**	27.5 KiB

<div align="right">More details</div>

Visibility_km_rolling_mean
Real number (ℝ)

High correlation

Distinct	298	**Minimum**	0.2
Distinct (%)	17.0%	**Maximum**	48.3
Missing	0	**Zeros**	0
Missing (%)	0.0%	**Zeros (%)**	0.0%
Infinite	0	**Negative**	0
Infinite (%)	0.0%	**Negative (%)**	0.0%
Mean	27.387555	**Memory size**	27.5 KiB

<div align="right">More details</div>

Visibility_km_rolling_std
Real number (ℝ)

Zeros

Distinct	616	**Minimum**	0
Distinct (%)	35.1%	**Maximum**	23.355156
Missing	0	**Zeros**	1076
Missing (%)	0.0%	**Zeros (%)**	61.2%
Infinite	0	**Negative**	0
Infinite (%)	0.0%	**Negative (%)**	0.0%

Mean	2.4060324	**Memory size**	27.5 KiB
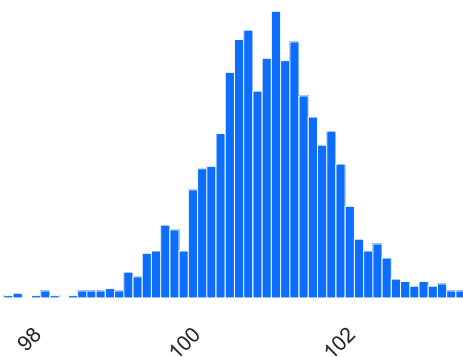
More details

Press_kPa_rolling_mean

Real number (ℝ)

High correlation

Distinct	948	**Minimum**	97.656667	
Distinct (%)	54.0%	**Maximum**	103.61	
Missing	0	**Zeros**	0	
Missing (%)	0.0%	**Zeros (%)**	0.0%	
Infinite	0	**Negative**	0	
Infinite (%)	0.0%	**Negative (%)**	0.0%	
Mean	101.06508	**Memory size**	27.5 KiB	
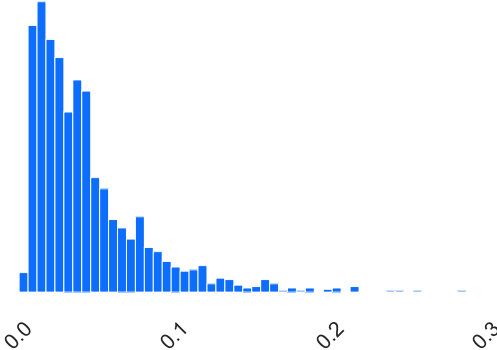
More details

Press_kPa_rolling_std

Real number (ℝ)

Distinct	1726	**Minimum**	0	
Distinct (%)	98.2%	**Maximum**	0.28676355	
Missing	0	**Zeros**	14	
Missing (%)	0.0%	**Zeros (%)**	0.8%	
Infinite	0	**Negative**	0	
Infinite (%)	0.0%	**Negative (%)**	0.0%	
Mean	0.043018119	**Memory size**	27.5 KiB	

More details

Interactions

Temp_C

Dew Point Temp_

Rel Hum_%

Wind Speed_km/

Visibility_km

Press_kPa

Temp_C_rolling_r

Temp_C_rolling_s

Dew Point Temp_

Dew Point Temp_

Rel Hum_%_rollii

Rel Hum_%_rollii

Wind Speed_km/

Wind Speed_km/

Visibility_km_roll

Press_kPa_rolling_std

Temp_C

Dew Point Temp_C

Rel Hum_%

Wind Speed_km/h

Visibility_km

Press_kPa

Temp_C_rolling_mean

Temp_C_rolling_std

Dew Point Temp_C_rc

Dew Point Temp_C_rc

Rel Hum_%_rolling_m

Rel Hum_%_rolling_st

Wind Speed_km/h_ro

Wind Speed_km/h_ro

Correlations

Auto

Heatmap | Table
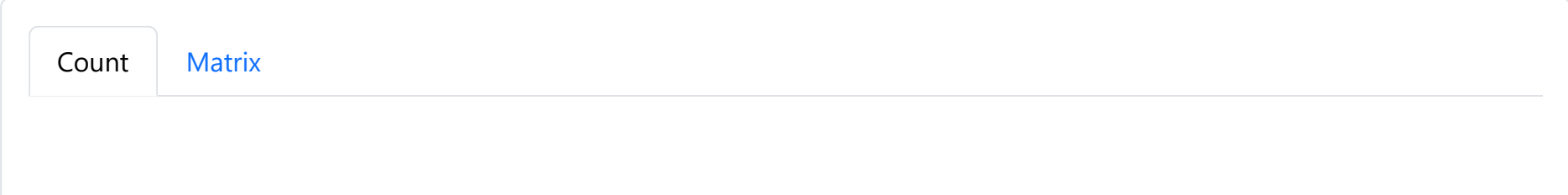

Missing values

Count | Matrix
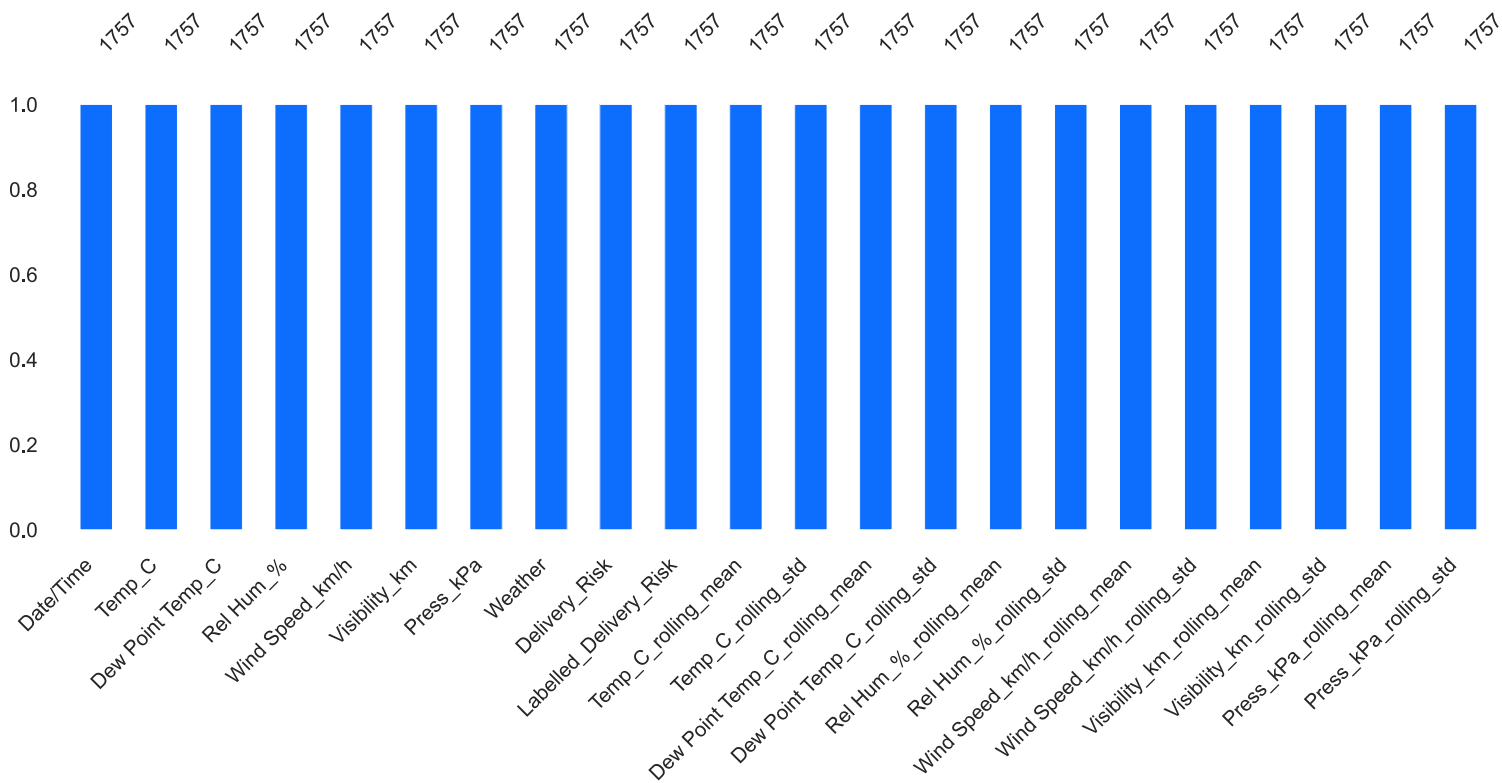
A simple visualization of nullity by column.

Sample

First rows   Last rows

	Date/Time	Temp_C	Dew Point Temp_C	Rel Hum_%	Wind Speed_km/h	Visibility_km	Press_kPa
3944	2012-06-13 08:00:00	17.9	12.6	71	32	24.1	100.96
934	2012-02-08 22:00:00	-3.6	-8.6	68	17	25.0	101.22
2031	2012-03-25 15:00:00	7.6	4.6	81	9	24.1	100.29
3700	2012-06-03 04:00:00	13.0	10.4	84	7	19.3	100.20
3756	2012-06-05 12:00:00	20.3	4.9	36	20	48.3	100.97
5855	2012-08-31 23:00:00	20.8	12.9	61	11	25.0	100.84
174	2012-01-08 06:00:00	-5.8	-10.8	68	13	25.0	101.47
2035	2012-03-25 19:00:00	8.7	5.2	79	4	25.0	100.25
3388	2012-05-21 04:00:00	18.2	11.9	67	9	24.1	101.65
6669	2012-10-04 21:00:00	14.4	13.7	96	6	9.7	101.07

Report generated by YData.