EDA_Report

Overview   Variables   Interactions   Correlations   Missing values   Sample

Overview

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| Overview | Alerts 9 | Reproduction |

Dataset statistics

Number of variables	10
Number of observations	8784
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	1.6 MiB
Average record size in memory	191.8 B

Variable types

DateTime	1
Numeric	6
Categorical	3

Variables
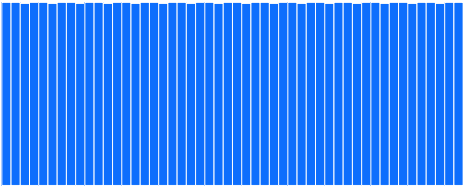
Select Columns

Date/Time

Date

Unique

Distinct	8784	**Minimum**	2012-01-01 00:00:00	
Distinct (%)	100.0%	**Maximum**	2012-12-31 23:00:00	
Missing	0	**Invalid dates**	0	
Missing (%)	0.0%	**Invalid dates (%)**	0.0%	
Memory size	68.8 KiB			

2012-02-23 17:56:40   2012-06-18 11:43:20   2012-10-12 05:30:00

More details

Temp_C

Real number (ℝ)

High correlation

Distinct	533	**Minimum**	-23.3
Distinct (%)	6.1%	**Maximum**	33
Missing	0	**Zeros**	20
Missing (%)	0.0%	**Zeros (%)**	0.2%
Infinite	0	**Negative**	2164
Infinite (%)	0.0%	**Negative (%)**	24.6%
Mean	8.7981444	**Memory size**	68.8 KiB
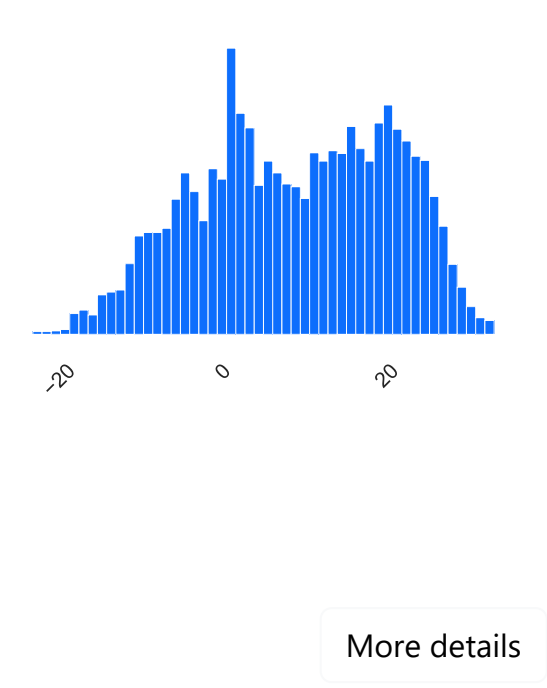
More details

Dew Point Temp_C

Real number (ℝ)

High correlation

Distinct	489	**Minimum**	-28.5
Distinct (%)	5.6%	**Maximum**	24.4
Missing	0	**Zeros**	33
Missing (%)	0.0%	**Zeros (%)**	0.4%
Infinite	0	**Negative**	3691
Infinite (%)	0.0%	**Negative (%)**	42.0%
Mean	2.5552937	**Memory size**	68.8 KiB
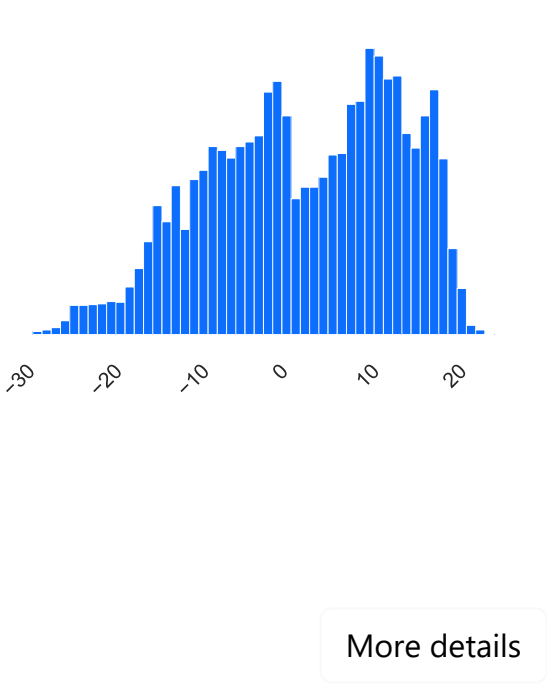
More details

Rel Hum_%

Real number (ℝ)

High correlation

Distinct	83	**Minimum**	18
Distinct (%)	0.9%	**Maximum**	100
Missing	0	**Zeros**	0
Missing (%)	0.0%	**Zeros (%)**	0.0%
Infinite	0	**Negative**	0
Infinite (%)	0.0%	**Negative (%)**	0.0%
Mean	67.431694	**Memory size**	68.8 KiB
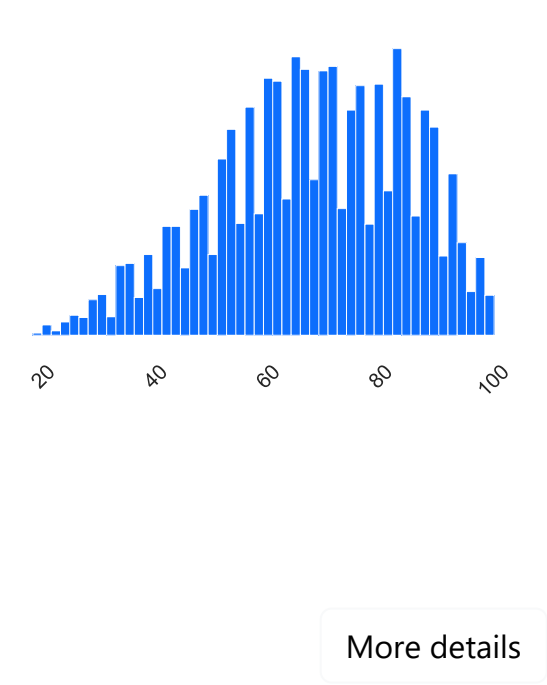
More details

Wind Speed_km/h

Real number (ℝ)

Zeros

Distinct	34	**Minimum**	0	
Distinct (%)	0.4%	**Maximum**	83	
Missing	0	**Zeros**	309	
Missing (%)	0.0%	**Zeros (%)**	3.5%	
Infinite	0	**Negative**	0	
Infinite (%)	0.0%	**Negative (%)**	0.0%	
Mean	14.945469	**Memory size**	68.8 KiB	
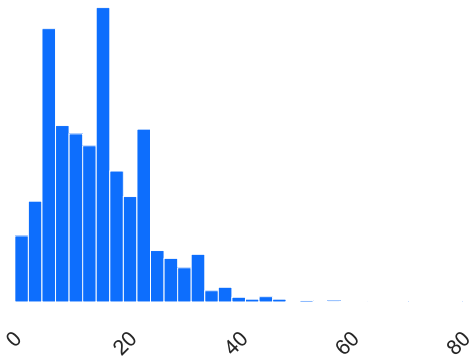
More details

Visibility_km

Real number (ℝ)

High correlation

Distinct	24	**Minimum**	0.2	
Distinct (%)	0.3%	**Maximum**	48.3	
Missing	0	**Zeros**	0	
Missing (%)	0.0%	**Zeros (%)**	0.0%	
Infinite	0	**Negative**	0	
Infinite (%)	0.0%	**Negative (%)**	0.0%	
Mean	27.664447	**Memory size**	68.8 KiB	

More details

Press_kPa

Real number (ℝ)

Distinct	518	**Minimum**	97.52	
Distinct (%)	5.9%	**Maximum**	103.65	
Missing	0	**Zeros**	0	
Missing (%)	0.0%	**Zeros (%)**	0.0%	
Infinite	0	**Negative**	0	
Infinite (%)	0.0%	**Negative (%)**	0.0%	
Mean	101.05162	**Memory size**	68.8 KiB	

More details

Weather

Categorical

High correlation

Distinct	50
Distinct (%)	0.6%
Missing	0
Missing (%)	0.0%
Memory size	567.9 KiB

Mainly Clear	2106
Mostly Clo...	2069
Cloudy	1728
Clear	1326
Snow	390
Other valu...	1165

More details

Delivery_Risk
Categorical

High correlation

Distinct	3
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	528.5 KiB

Safe	5567
Risky	2228
Caution	989

More details

Labelled_Delivery_Risk
Categorical

High correlation

Distinct	3
Distinct (%)	< 0.1%
Missing	0
Missing (%)	0.0%
Memory size	497.7 KiB

2	5567
1	2228
0	989

More details

Interactions

Temp_C	Dew Point Temp_C	Rel Hum_%	Wind Speed_km/h	Visibility_km	Press_kPa

Press_kPa	Temp_C	Dew Point Temp_C	Rel Hum_%	Wind Speed_km/h	Visibility_km

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

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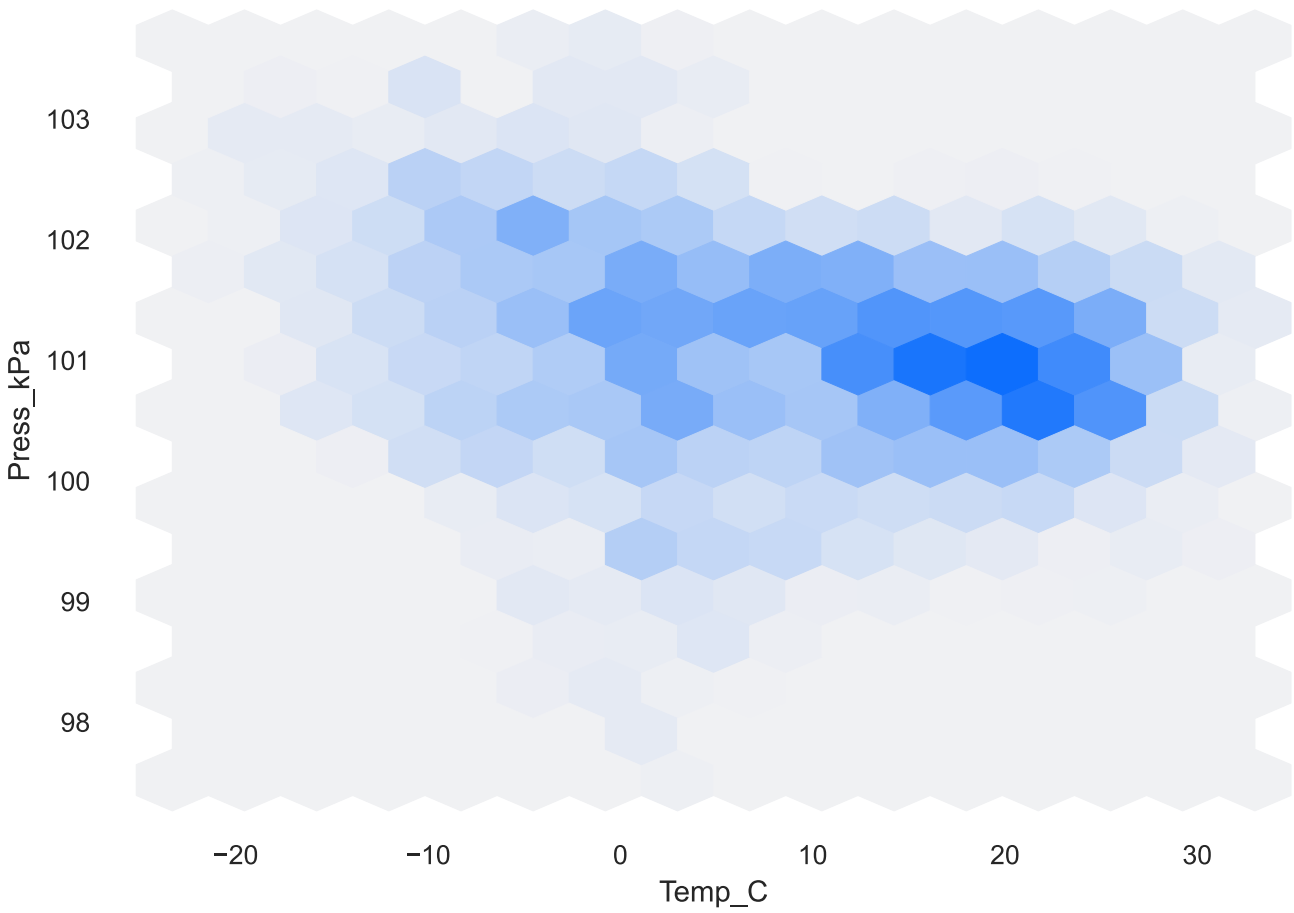
Correlations

Auto

Heatmap	Table
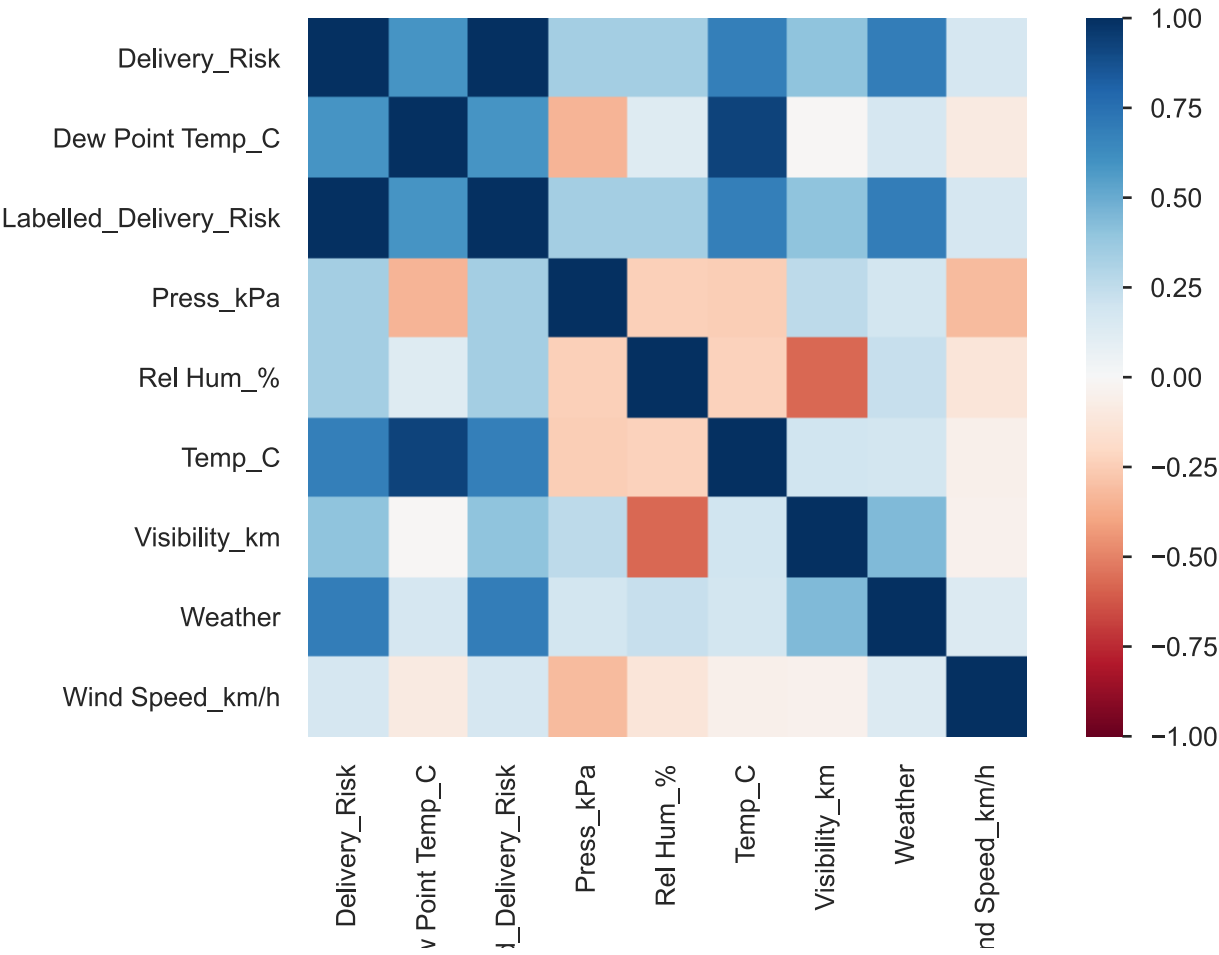
Missing values

Count	Matrix
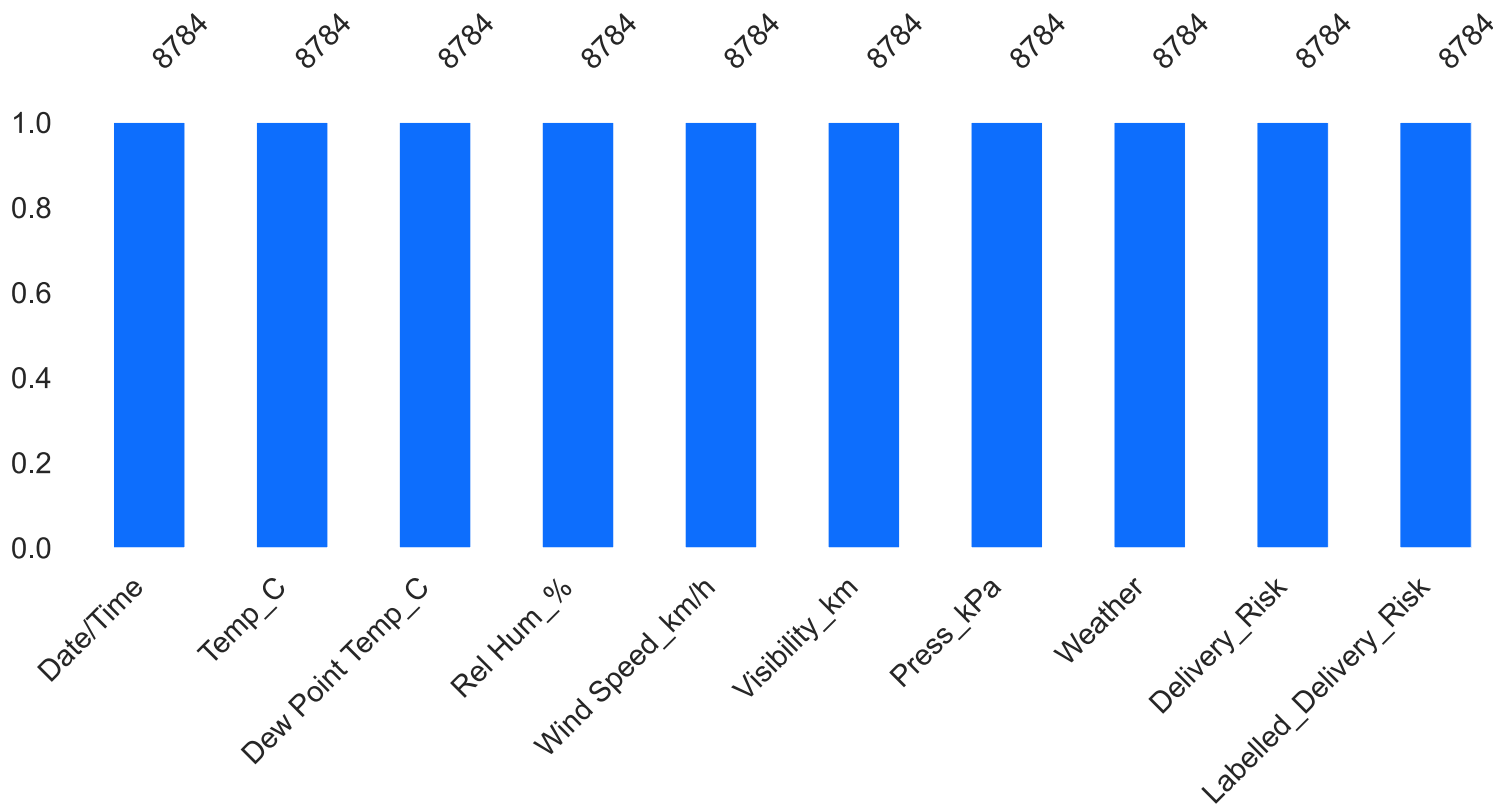
A simple visualization of nullity by column.

Sample

First rows | Last rows

	Date/Time	Temp_C	Dew Point Temp_C	Rel Hum_%	Wind Speed_km/h	Visibility_km	Press_kPa	
0	2012-01-01 00:00:00	-1.8	-3.9	86	4	8.0	101.24	Fog
1	2012-01-01 01:00:00	-1.8	-3.7	87	4	8.0	101.24	Fog
2	2012-01-01 02:00:00	-1.8	-3.4	89	7	4.0	101.26	Fre
3	2012-01-01 03:00:00	-1.5	-3.2	88	6	4.0	101.27	Fre
4	2012-01-01 04:00:00	-1.5	-3.3	88	7	4.8	101.23	Fog
5	2012-01-01 05:00:00	-1.4	-3.3	87	9	6.4	101.27	Fog
6	2012-01-01 06:00:00	-1.5	-3.1	89	7	6.4	101.29	Fog
7	2012-01-01 07:00:00	-1.4	-3.6	85	7	8.0	101.26	Fog
8	2012-01-01 08:00:00	-1.4	-3.6	85	9	8.0	101.23	Fog
9	2012-01-01 09:00:00	-1.3	-3.1	88	15	4.0	101.20	Fog

Report generated by YData.

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