

# Overview

Dataset statistics

Number of variables	3
Number of observations	150
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	3.6 KiB
Average record size in memory	24.9 B

Variable types

Numeric	3
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Alerts

df_index is highly correlated with time and 1 other fields (time, BJsales)	High correlation
time is highly correlated with df_index and 1 other fields (df_index, BJsales)	High correlation
BJsales is highly correlated with df_index and 1 other fields (df_index, time)	High correlation
df_index is highly correlated with time and 1 other fields (time, BJsales)	High correlation
time is highly correlated with df_index and 1 other fields (df_index, BJsales)	High correlation
BJsales is highly correlated with df_index and 1 other fields (df_index, time)	High correlation
df_index is highly correlated with time and 1 other fields (time, BJsales)	High correlation
time is highly correlated with df_index and 1 other fields (df_index, BJsales)	High correlation
BJsales is highly correlated with df_index and 1 other fields (df_index, time)	High correlation
df_index is highly correlated with time and 1 other fields (time, BJsales)	High correlation
time is highly correlated with df_index and 1 other fields (df_index, BJsales)	High correlation
BJsales is highly correlated with df_index and 1 other fields (df_index, time)	High correlation
df_index is uniformly distributed	Uniform
time is uniformly distributed	Uniform
df_index has unique values	Unique
time has unique values	Unique

## Reproduction

Analysis started	2022-09-25 10:42:07.903691
Analysis finished	2022-09-25 10:42:14.209775
Duration	6.31 seconds
Software version	pandas-profiling v3.1.0 ( <a href="https://github.com/pandas-profiling/pandas-profiling">https://github.com/pandas-profiling/pandas-profiling</a> )
Download configuration	config.json (data:text/plain;charset=utf-8,%7B%22title%22%3A%20%22Pandas%20Profiling%20Report%22%2C%20%22dataset%22%3A%20%7B%22description%22%3A%20%22%22%2C%22

Variables

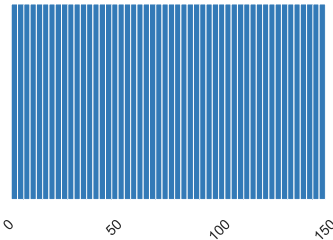
df\_index

Real number ( $\mathbb{R}_{\geq 0}$ )

HIGH

CORRELATION (This variable has a high correlation with 2 fields: time, Bjsales)  
HIGH CORRELATION (This variable has a high correlation with 2 fields: time, Bjsales)  
HIGH CORRELATION (This variable has a high correlation with 2 fields: time, Bjsales)  
HIGH CORRELATION (This variable has a high correlation with 2 fields: time, Bjsales)  
UNIFORM  
UNIQUE

Distinct	150
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	75.5
Minimum	1
Maximum	150
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	1.3 KiB

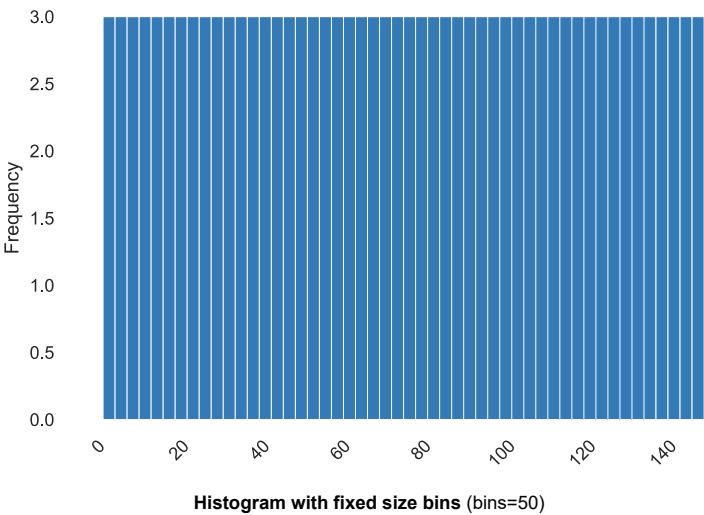


Quantile statistics

Minimum	1
5-th percentile	8.45
Q1	38.25
median	75.5
Q3	112.75
95-th percentile	142.55
Maximum	150
Range	149
Interquartile range (IQR)	74.5

Descriptive statistics

Standard deviation	43.44536799
Coefficient of variation (CV)	0.5754353376
Kurtosis	-1.2
Mean	75.5
Median Absolute Deviation (MAD)	37.5
Skewness	0
Sum	11325
Variance	1887.5
Monotonicity	Strictly increasing



Value	Count	Frequency (%)
1	1	0.7%
95	1	0.7%
97	1	0.7%
98	1	0.7%
99	1	0.7%
100	1	0.7%
101	1	0.7%
102	1	0.7%
103	1	0.7%
104	1	0.7%
Other values (140)	140	93.3%

Value	Count	Frequency (%)
1	1	0.7%
2	1	0.7%
3	1	0.7%
4	1	0.7%
5	1	0.7%
6	1	0.7%
7	1	0.7%
8	1	0.7%
9	1	0.7%
10	1	0.7%



Value	Count	Frequency (%)
150	1	0.7%
149	1	0.7%
148	1	0.7%
147	1	0.7%
146	1	0.7%
145	1	0.7%
144	1	0.7%
143	1	0.7%
142	1	0.7%
141	1	0.7%





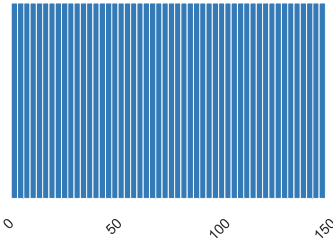
time

Real number ( $\mathbb{R}_{\geq 0}$ )

HIGH

CORRELATION (This variable has a high correlation with 2 fields: df index, Bjsales)  
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HIGH CORRELATION (This variable has a high correlation with 2 fields: df index, Bjsales)  
UNIFORM  
UNIQUE

Distinct	150
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	75.5
Minimum	1
Maximum	150
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	1.3 KiB



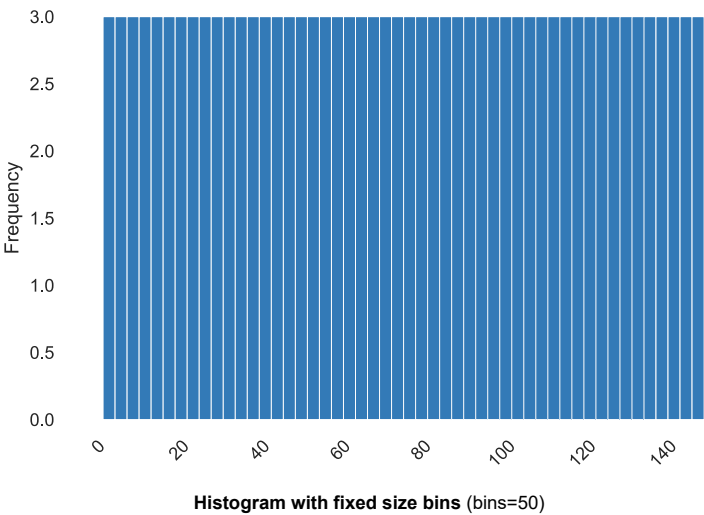
Quantile statistics

Minimum	1
5-th percentile	8.45
Q1	38.25
median	75.5
Q3	112.75
95-th percentile	142.55
Maximum	150
Range	149
Interquartile range (IQR)	74.5

Descriptive statistics

Standard deviation	43.44536799
Coefficient of variation (CV)	0.5754353376
Kurtosis	-1.2

Mean	75.5
Median Absolute Deviation (MAD)	37.5
Skewness	0
Sum	11325
Variance	1887.5
Monotonicity	Strictly increasing



Value	Count	Frequency (%)
1	1	0.7%
95	1	0.7%
97	1	0.7%
98	1	0.7%
99	1	0.7%
100	1	0.7%
101	1	0.7%
102	1	0.7%
103	1	0.7%
104	1	0.7%
Other values (140)	140	93.3%

Value	Count	Frequency (%)
1	1	0.7%
2	1	0.7%
3	1	0.7%
4	1	0.7%
5	1	0.7%
6	1	0.7%
7	1	0.7%
8	1	0.7%
9	1	0.7%
10	1	0.7%



Value	Count	Frequency (%)
150	1	0.7%
149	1	0.7%
148	1	0.7%
147	1	0.7%
146	1	0.7%
145	1	0.7%
144	1	0.7%
143	1	0.7%
142	1	0.7%
141	1	0.7%





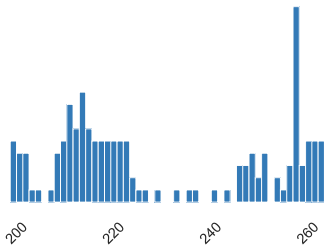
BJsales

Real number ( $\mathbb{R}_{\geq 0}$ )

HIGH

CORRELATION (This variable has a high correlation with 2 fields: df.index, time)  
HIGH CORRELATION (This variable has a high correlation with 2 fields: df.index, time)  
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HIGH CORRELATION (This variable has a high correlation with 2 fields: df.index, time)

Distinct	123
Distinct (%)	82.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	229.978
Minimum	198.6
Maximum	263.3
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	1.3 KiB



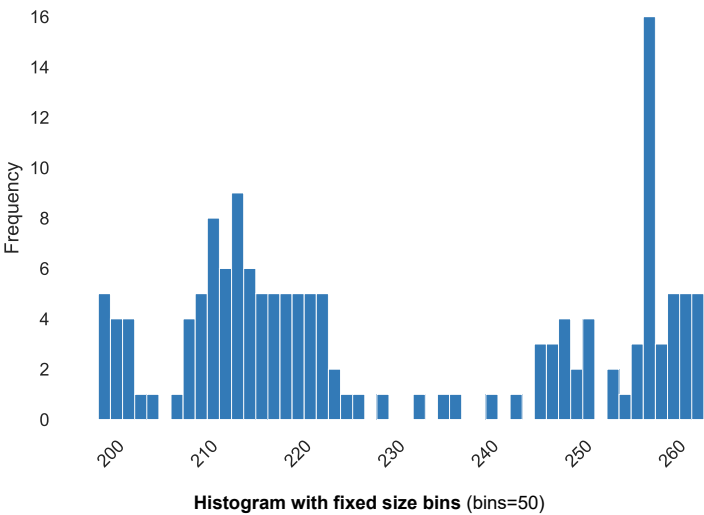
Quantile statistics

Minimum	198.6
5-th percentile	200.245
Q1	212.575
median	220.65
Q3	254.675
95-th percentile	261.21
Maximum	263.3
Range	64.7
Interquartile range (IQR)	42.1

Descriptive statistics

Standard deviation	21.47968564
Coefficient of variation (CV)	0.09339887138
Kurtosis	-1.526320712
Mean	229.978

Median Absolute Deviation (MAD)	14.3
Skewness	0.2858044444
Sum	34496.7
Variance	461.3768953
Monotonicity	Not monotonic



Value	Count	Frequency (%)
208.8	4	2.7%
218.7	3	2.0%
257.5	3	2.0%
257.4	3	2.0%
223.8	2	1.3%
257.7	2	1.3%
222.2	2	1.3%
247.6	2	1.3%
211.4	2	1.3%
258.9	2	1.3%
Other values (113)	125	83.3%

Value	Count	Frequency (%)
198.6	1	0.7%
198.9	1	0.7%
199	1	0.7%
199.4	1	0.7%
199.5	1	0.7%
200	1	0.7%
200.1	1	0.7%
200.2	1	0.7%
200.3	1	0.7%
201.2	1	0.7%

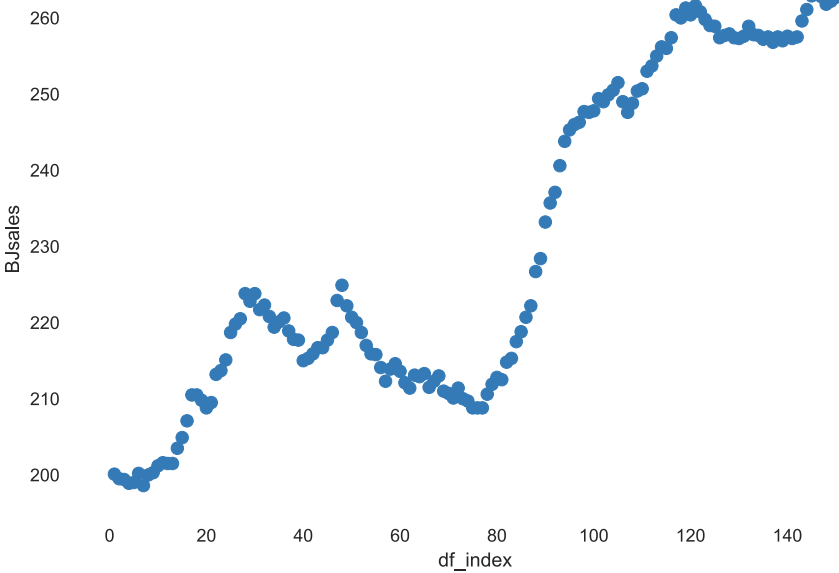


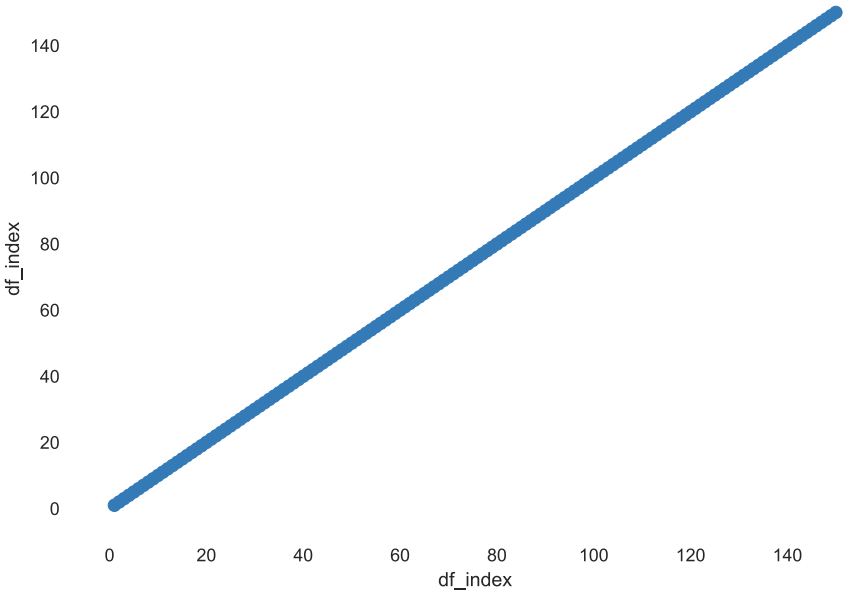
Value	Count	Frequency (%)
263.3	1	0.7%
262.9	1	0.7%
262.8	1	0.7%
262.7	1	0.7%
262.2	1	0.7%
261.8	1	0.7%
261.6	1	0.7%
261.3	1	0.7%
261.1	1	0.7%
260.8	1	0.7%

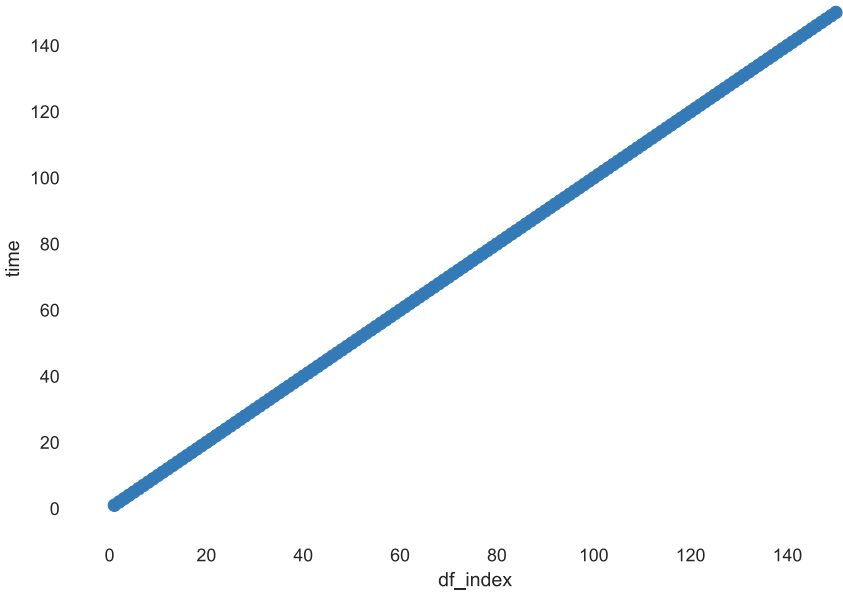




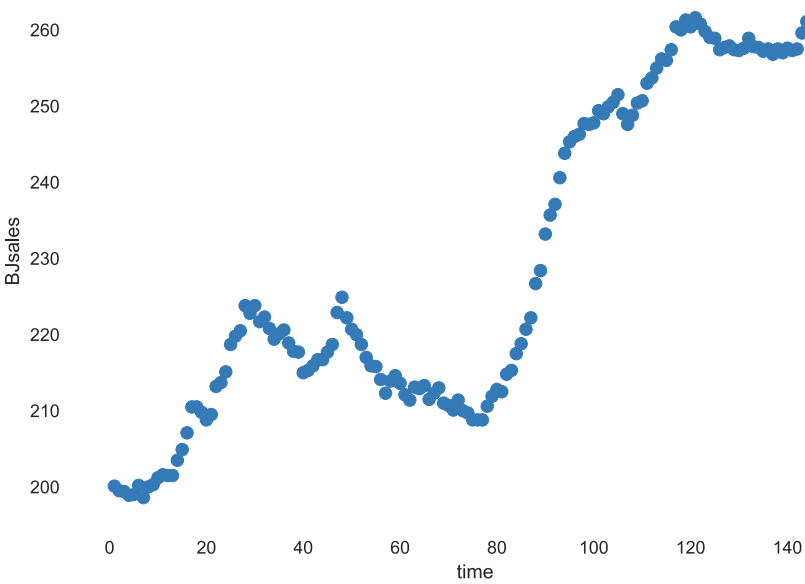
# Interactions



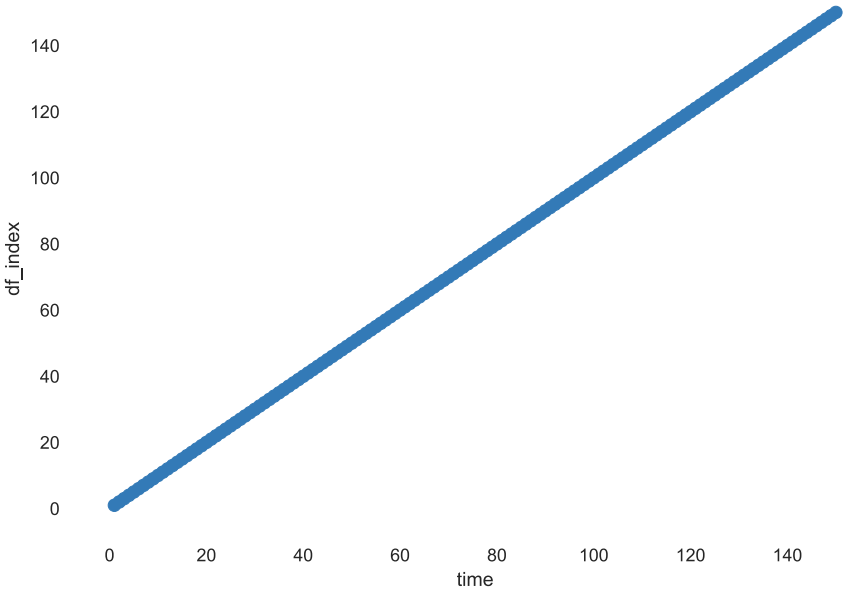


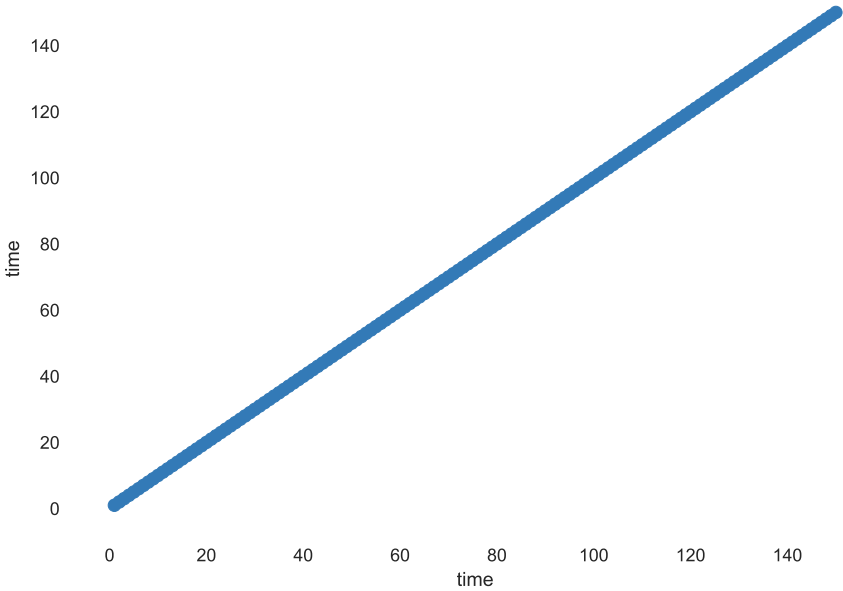




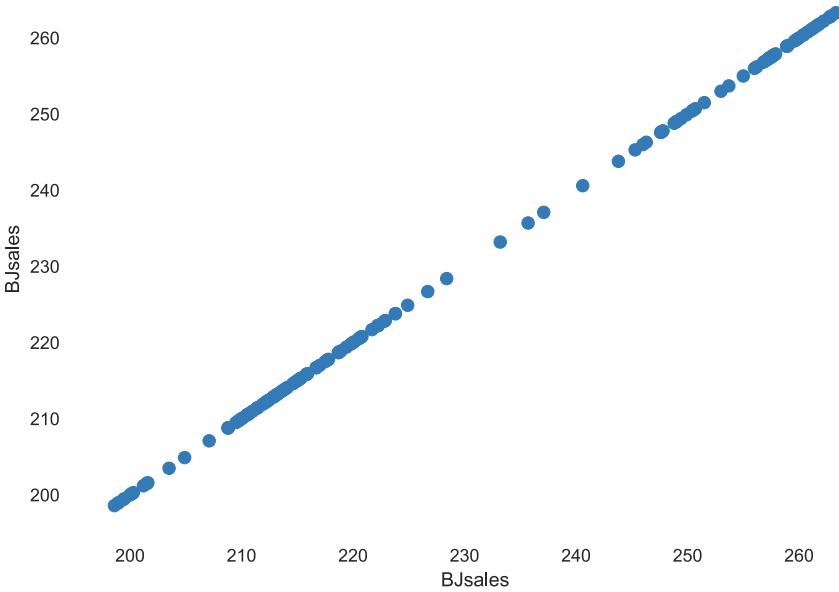


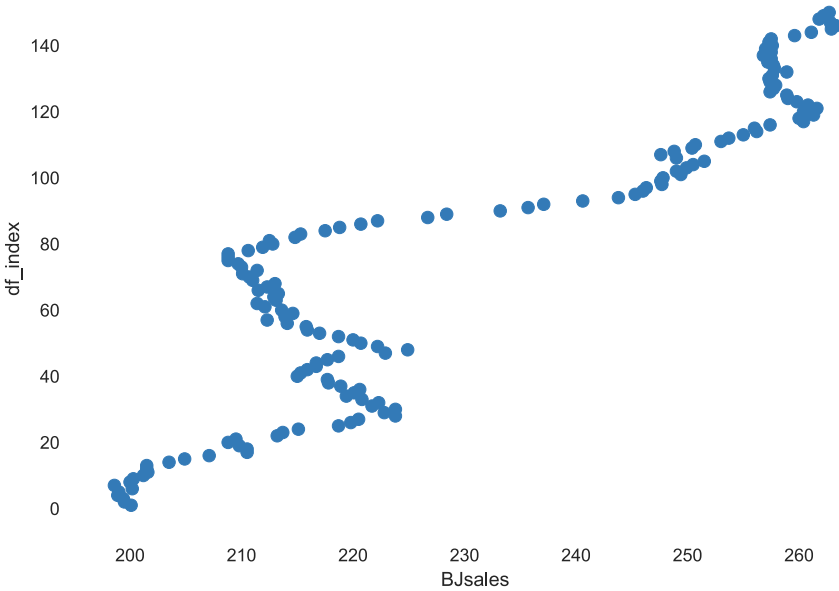


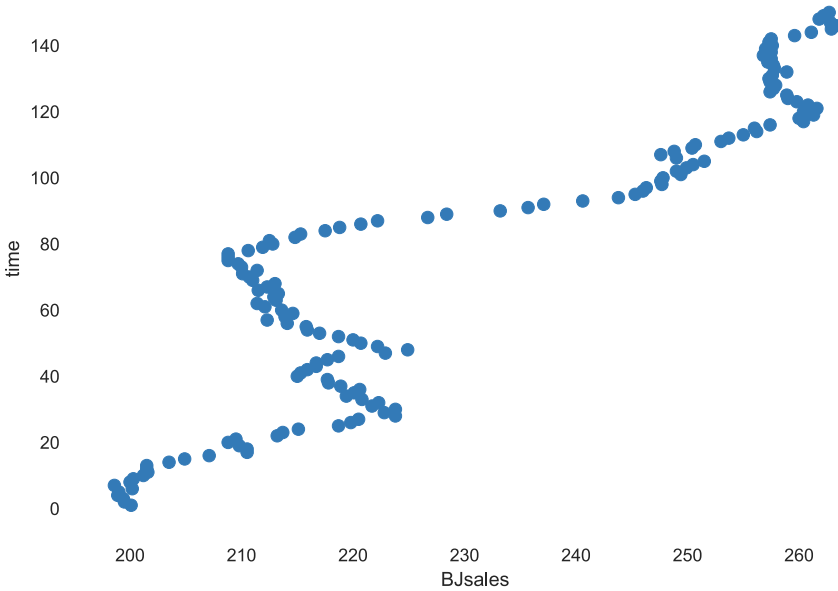






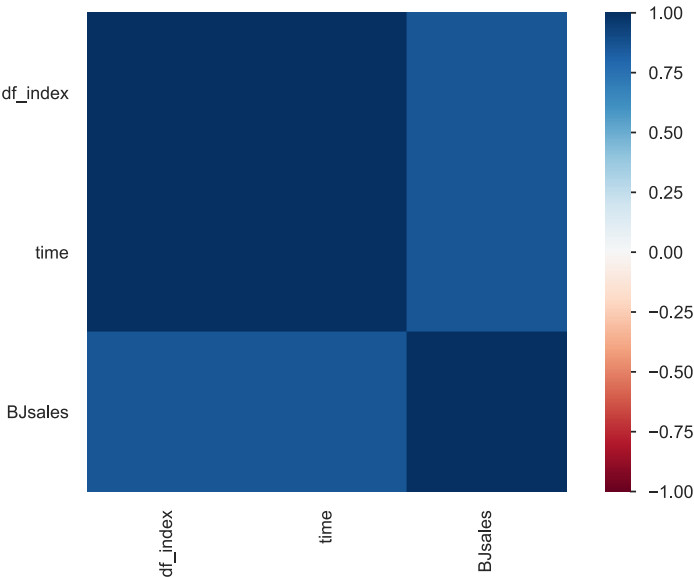




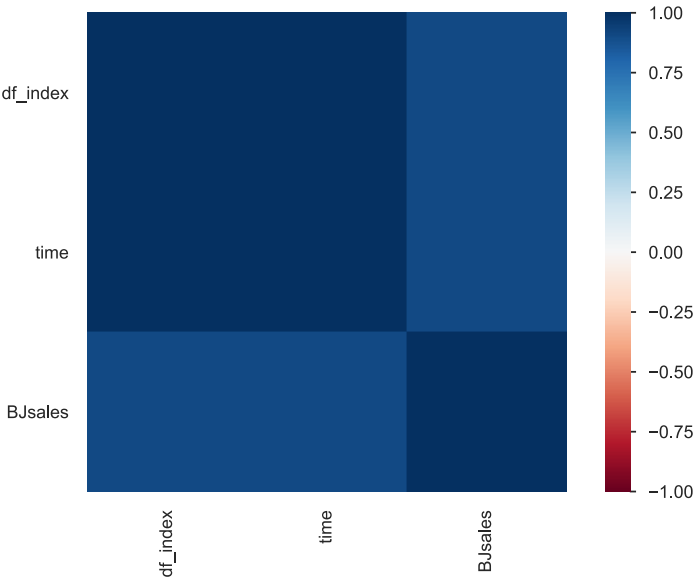


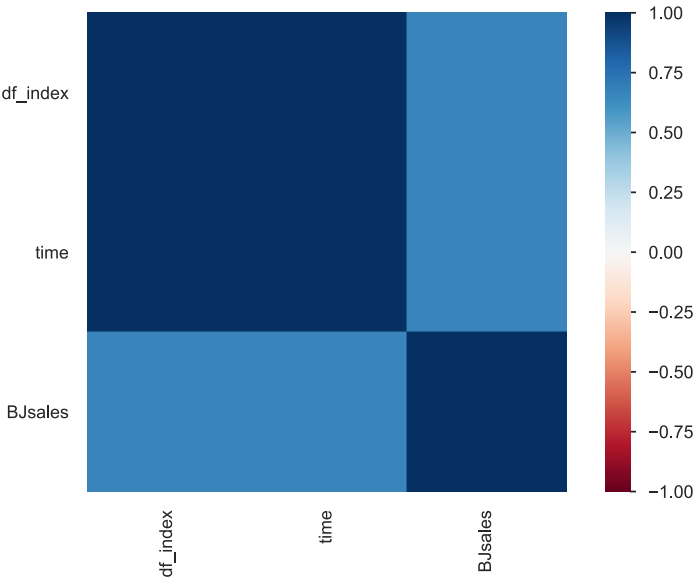


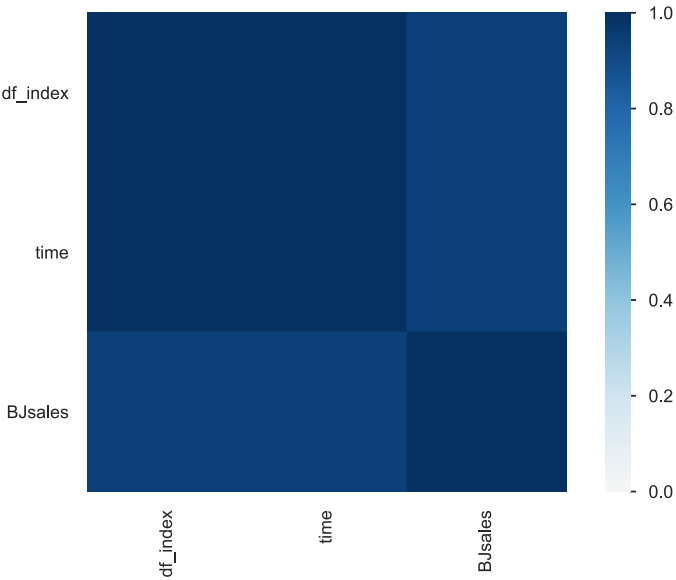
# Correlations



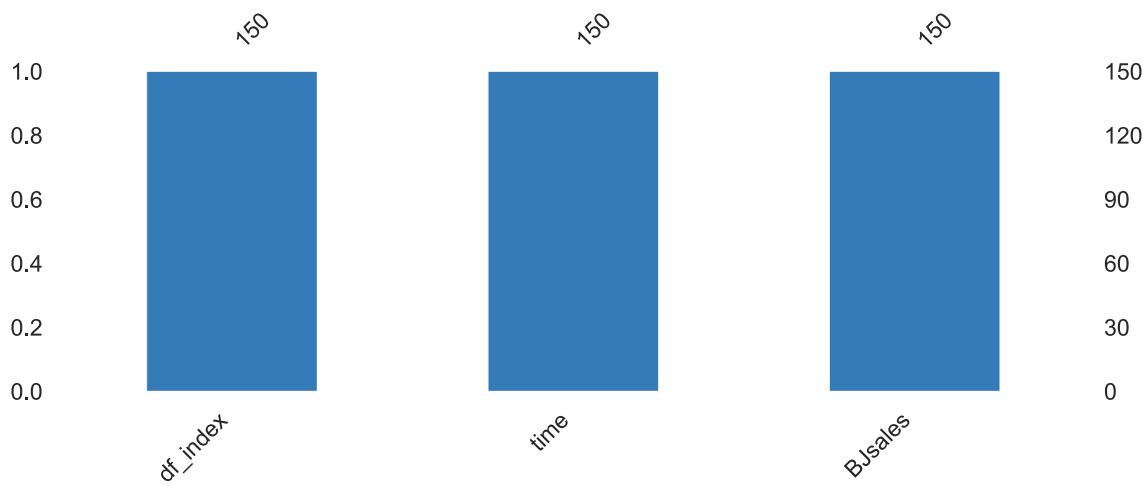




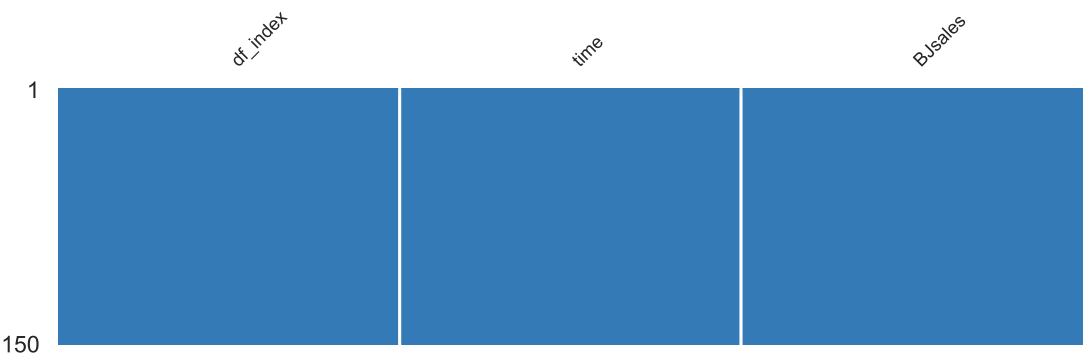




# Missing values



A simple visualization of nullity by column.



Nullity matrix is a data-dense display which lets you quickly visually pick out patterns in data completion.

# Sample

## First rows

df_index		time	BJsales
0	1	1	200.1
1	2	2	199.5
2	3	3	199.4
3	4	4	198.9
4	5	5	199.0
5	6	6	200.2
6	7	7	198.6
7	8	8	200.0
8	9	9	200.3
9	10	10	201.2



## Last rows

df_index		time	BJsales
140	141	141	257.3
141	142	142	257.5
142	143	143	259.6
143	144	144	261.1
144	145	145	262.9
145	146	146	263.3
146	147	147	262.8
147	148	148	261.8
148	149	149	262.2
149	150	150	262.7

