Titanic Data Profiling Report

Overview

Brought to you by YData

Overview | Alerts 16 | Reproduction

Dataset statistics

Number of variables	15
Number of observations	891
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	319.6 KiB
Average record size in memory	367.4 B

Variable types

Numeric	6
Categorical	7
Text	2

Variables

Select Columns

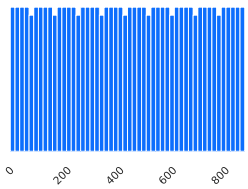
PassengerId

Real number (ℝ)

Uniform Unique

Distinct	891
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	446

Minimum	1
Maximum	891
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.1 KiB



More details

Survived

Categorical

High correlation

Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	43.6 KiB

0	549
1	342

More details

Pclass

Categorical

High correlation

Distinct	3

3	491

Distinct (%)	0.3%
Missing	0
Missing (%)	0.0%
Memory size	43.6 KiB

1	216
2	184

More details

Name

Text

Unique

Distinct	891
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Memory size	66.2 KiB

More details

Sex

Categorical

High correlation

Distinct	2
Distinct (%)	0.2%

male	577
female	314

Missing	0
Missing (%)	0.0%
Memory size	46.9 KiB

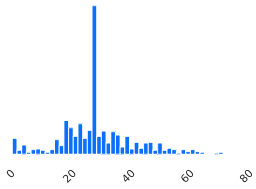
More details

Age

Real number (ℝ)

Distinct	88
Distinct (%)	9.9%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	29.361582

Minimum	0.42
Maximum	80
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.1 KiB



More details

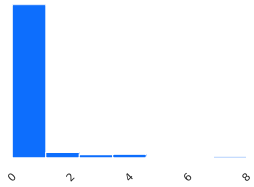
SibSp

Real number (ℝ)

High correlation **Zeros**

Distinct	7
Distinct (%)	0.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	0.52300786

Minimum	0
Maximum	8
Zeros	608
Zeros (%)	68.2%
Negative	0
Negative (%)	0.0%
Memory size	7.1 KiB



More details

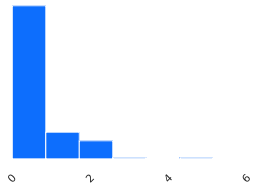
Parch

Real number (ℝ)

High correlation **Zeros**

Distinct	7
Distinct (%)	0.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	0.38159371

Minimum	0
Maximum	6
Zeros	678
Zeros (%)	76.1%
Negative	0
Negative (%)	0.0%
Memory size	7.1 KiB



More details

Ticket

Text

Distinct	681
Distinct (%)	76.4%
Missing	0
Missing (%)	0.0%
Memory size	48.6 KiB

More details

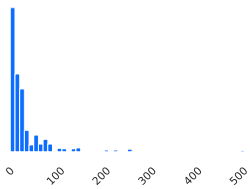
Fare

Real number (ℝ)

High correlation **Zeros**

Distinct	248
Distinct (%)	27.8%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	32.204208

Minimum	0
Maximum	512.32
Zeros	15
Zeros (%)	1.7%
Negative	0
Negative (%)	0.0%
Memory size	7.1 KiB



More details

Embarked

Categorical

Distinct	3
Distinct (%)	0.3%
Missing	0
Missing (%)	0.0%
Memory size	43.6 KiB

S	646
C	168
Q	77

More details

Has_cabin

Categorical

High correlation

Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	43.6 KiB

0	687
1	204

More details

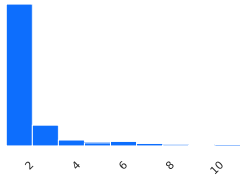
Family Size

Real number (ℝ)

High correlation

Distinct	9
Distinct (%)	1.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	1.9046016

Minimum	1
Maximum	11
Zeros	0
Zeros (%)	0.0%
Negative	0
Negative (%)	0.0%
Memory size	7.1 KiB



More details

IsAlone

Categorical

High correlation

Distinct	2
Distinct (%)	0.2%
Missing	0
Missing (%)	0.0%
Memory size	43.6 KiB

1	537
0	354

More details

Title

Categorical

High correlation

Distinct	5
Distinct (%)	0.6%
Missing	0
Missing (%)	0.0%
Memory size	45.2 KiB

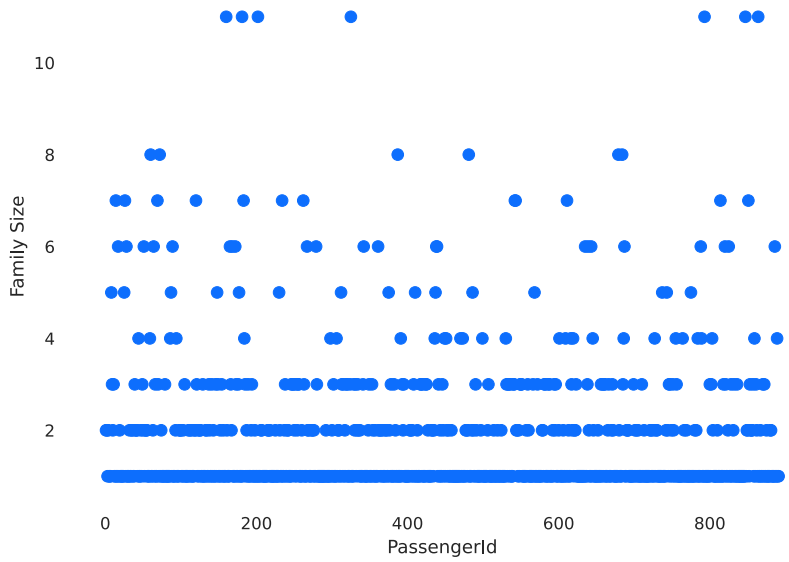
Mr	517
Miss	185
Mrs	126
Master	40
Rare	23

More details

Interactions

PassengerId | Age | SibSp | Parch | Fare | Family Size

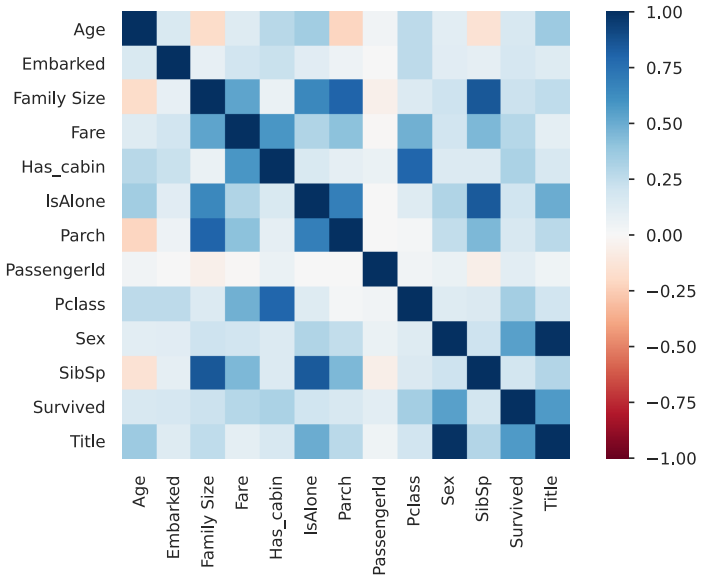
Family Size | PassengerId | Age | SibSp | Parch | Fare



Correlations

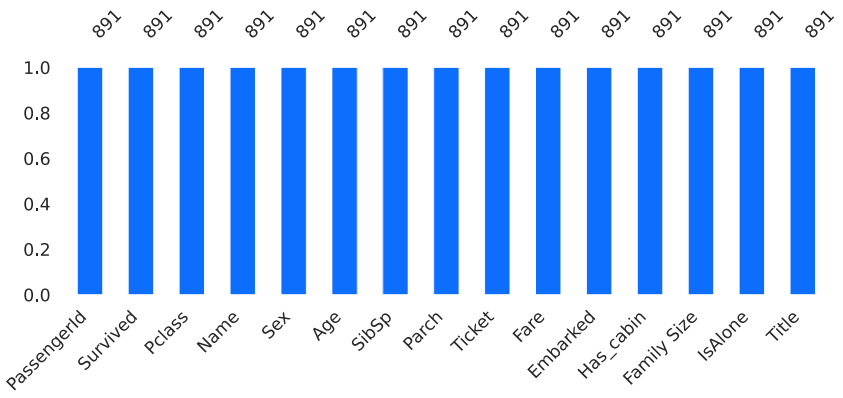
Auto

Heatmap Table



Missing values

Count Matrix



A simple visualization of nullity by column.

Sample

First rows | Last rows

	PassengerId	Survived	Pclass	
0	1	0	3	Braund, Mr. Owen Harris
1	2	1	1	Cumings, Mrs. John Bradley (
2	3	1	3	Heikkinen, Miss. Laina
3	4	1	1	Futrelle, Mrs. Jacques Heath
4	5	0	3	Allen, Mr. William Henry
5	6	0	3	Moran, Mr. James
6	7	0	1	McCarthy, Mr. Timothy J
7	8	0	3	Palsson, Master. Gosta Leona

	PassengerId	Survived	Pclass	
8	9	1	3	Johnson, Mrs. Oscar W (Elisa
9	10	1	2	Nasser, Mrs. Nicholas (Adele

Report generated by YData.