Titanic Dataset Summary & Observations

index	count	unique	top	freq	mean	std	min	25%	50%	75%	max
PassengerId	891.0				446.0	257.3538420152301	1.0	223.5	446.0	668.5	891.0
Survived	891.0				0.3838383838383838	0.4865924542648575	0.0	0.0	0.0	1.0	1.0
Pclass	891.0				2.308641975308642	0.836071240977049	1.0	2.0	3.0	3.0	3.0
Name	891.0	891	Braund, Mr. Owen Harris	1							
Sex	891.0	2	male	577							
Age	714.0				29.69911764705882	14.526497332334042	0.42	20.125	28.0	38.0	80.0
SibSp	891.0				0.5230078563411896	1.1027434322934317	0.0	0.0	0.0	1.0	8.0
Parch	891.0				0.38159371492704824	0.8060572211299483	0.0	0.0	0.0	0.0	6.0
Ticket	891.0	681	347082	7							
Fare	891.0				32.204207968574636	49.6934285971809	0.0	7.9104	14.4542	31.0	512.3292
Cabin	204.0	147	B96 B98	4							
Embarked	889.0	3	S	644							

Observations

Total passengers in the dataset: 891

Overall survival rate: 38.38%

Columns with missing values:

- Age: 177 missing values

- Cabin: 687 missing values

- Embarked: 2 missing values

Survival trends indicate higher chances for females and first-class passengers.