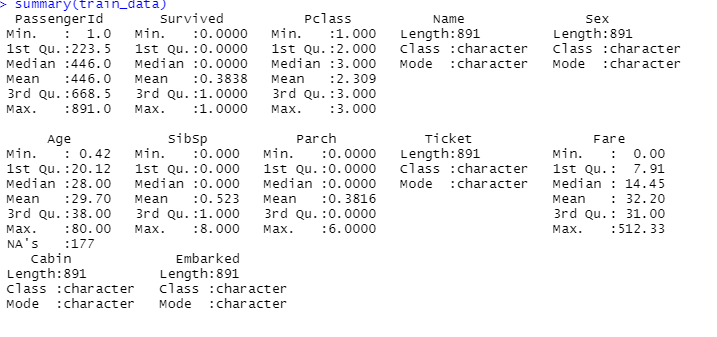
1. Load the data and check the summary

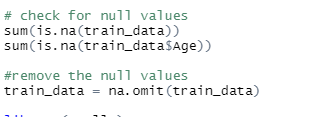
train\_data = read.csv("train.csv", header=TRUE, sep=",")

summary(train\_data)



The train dataset contains above variables with respective lengths.

1. Data preparation: check for null values and remove them.



1. Plot the correlation matrix with all numerical variables to find the relation between the variables

Graphical user interface, text, application

Description automatically generated

Chart, bar chart

Description automatically generated

1. Creating plots to interpret the results

A picture containing text

Description automatically generated

Chart, bar chart, treemap chart

Description automatically generated

The above plot describes the survival of passengers by gender. We can observe that in total female passengers has survived more than female passengers. And a smaller number of people survived in general.

Chart

Description automatically generatedThe aboText

Description automatically generated with medium confidence

The above graph is describing the Class of the passengers and their survival status. We can observe that first class passengers relatively survived than others.

Text

Description automatically generated with medium confidence

Chart

Description automatically generated

The above graph tells the survival rate of passengers by Embarked. The S embarked seems to be survived more than others.

Text

Description automatically generated

Chart, timeline, bar chart

Description automatically generated

The above graph tells the survival of passengers by boarding and class. The S boarding of 3rd class has high survival rate.

Text

Description automatically generated with medium confidence

Chart, histogram

Description automatically generated

The above graph describes the surval rate by Age. The people in 20 to 40 age has survived most than the others.

A picture containing text

Description automatically generated

Chart, histogram

Description automatically generated

From the above graph, the passengers having no, or one member of the family survived more than others.