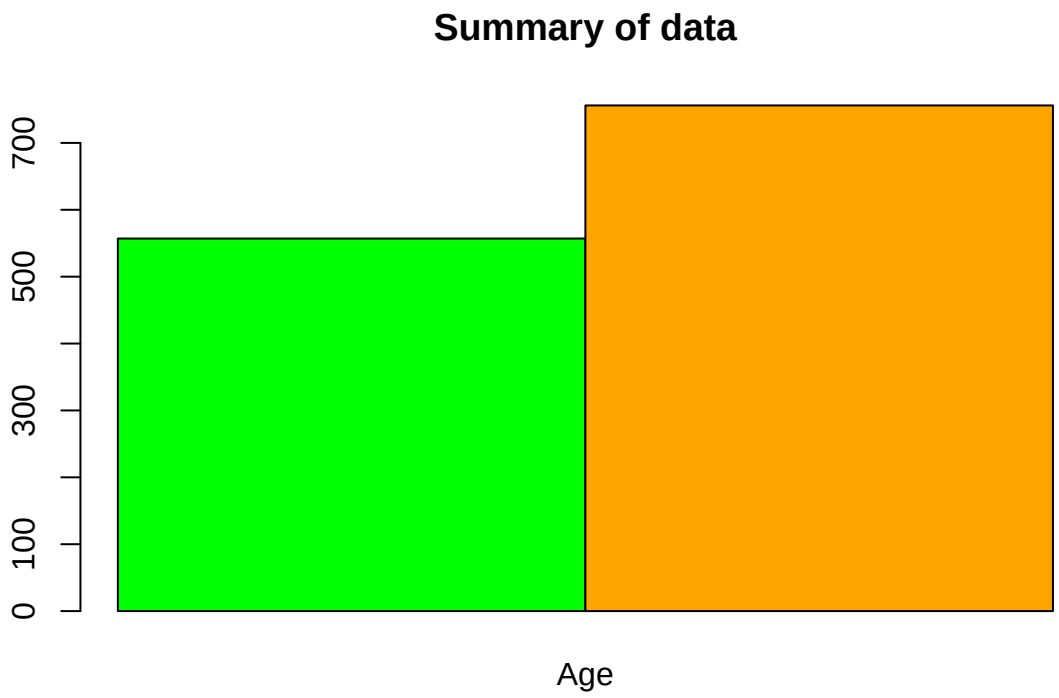
Exercise 1: Titanic

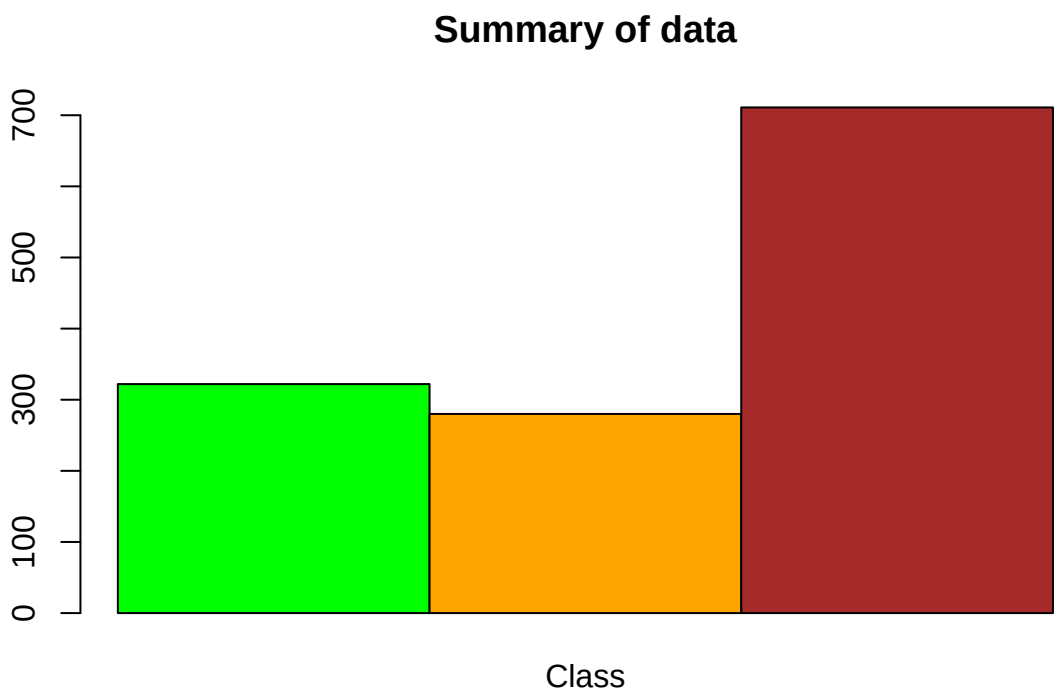
Exercise 2: Titanic

```r
# nolint start: indentation_linter.
data <- read.table("../data/titanic.txt", header = TRUE)
data <- data.frame(data)
data_size <- length(data$Name)
data_not_na <- data[!is.na(data$Age), ]
data_na <- data[is.na(data$Age), ]
p_class <- data$PClass
sex <- data$Sex
```

```r
colors <- c("green", "orange", "brown")
plot_labels <- c("Age defined", "Class", "Sex")
plot_data <- matrix(
    data = c(
        length(data_na$Age), length(data_not_na$Age), 0,
        sum(p_class == "1st"), sum(p_class == "2nd"), sum(p_class == "3rd"),
        sum(sex == "female"), sum(sex == "male"), 0
    ),
    nrow = 3, byrow = FALSE
)
barplot(
    matrix(c(length(data_na$Age), length(data_not_na$Age)), ncol = 1),
    main = "Summary of data",
    names.arg = "Age",
    col = colors,
    # ylim = data_size,
    beside = TRUE
)
```




```
barplot(
    matrix(c(
        sum(p_class == "1st"), sum(p_class == "2nd"),
        sum(p_class == "3rd")
    ), ncol = 1),
    main = "Summary of data",
    names.arg = "Class",
    col = colors,
    # ylim = data_size,
    beside = TRUE
)
```


Summary of data
0
100
300
500
700
Class