

Resolução

```
1 # Read the data and extract the desired columns
2 data = read.csv("Exc1/winequality-white-q5.csv")
3
4 data$density = sqrt(data$density)
5
6 library(ggplot2)
7
8 # Plot the boxplot
9 boxplot = ggplot(data, aes(x = as.factor(quality), y = density)) +
10   geom_boxplot(fill = "lightblue", color = "darkblue",
11     outlier.colour="red",
12     outlier.fill="red",
13     outlier.size=3,
14     alpha = 0.1
15   ) +
16   labs(
17     title = "Square Root of Density by Wine Quality",
18     x = "Wine Quality",
19     y = "Square Root of Density"
20   )
21
22 ggsave("plot.png", width = 10, height = 8)
```

Gráfico

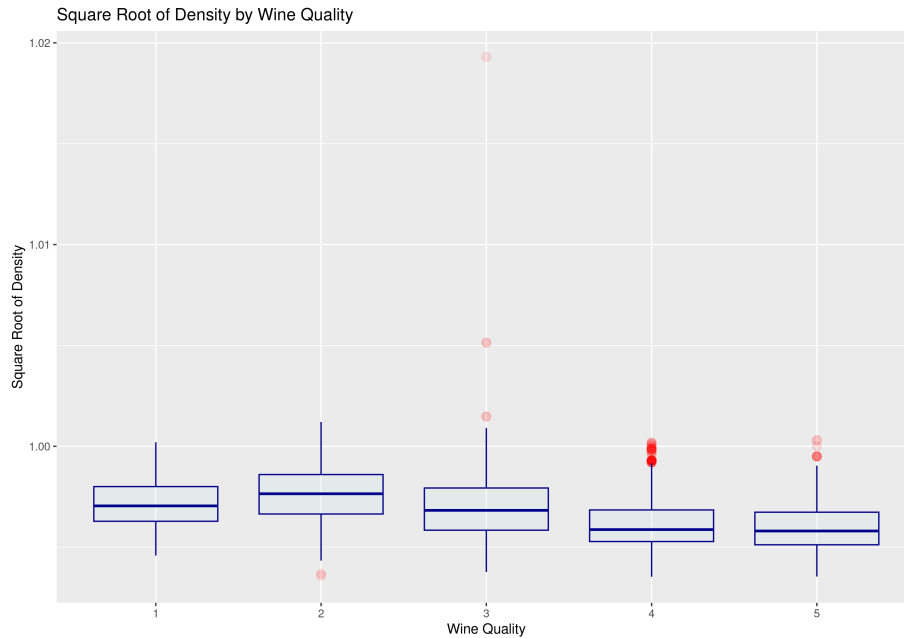


Figure 1: Gráfico