

# Resolução

```
1 library(ggplot2)
2
3 # Read file
4 data <- read.csv("winequality-white-q5.csv")
5
6
7 ggplot(data, aes(x = sqrt(citric.acid), y = factor(quality))) +
8   # outlier.shape = NA makes outliers invisible since we'll change them later
9   geom_boxplot(fill = "lightblue", color = "black", outlier.shape = NA) +
10  # outlier.size = 3 e outlier.shape = 16 e alpha = 0.1
11
12  # geom_jitter adds each point spreaded with a width so it there isn't much overlap
13  geom_jitter(width = 0.4, height = 0, alpha = 0.4, color = "blue") +
14
15  # labels
16  labs(title = "Wine Quality by sqrt(Citric Acid)",
17       x = "sqrt(Citric Acid)",
18       y = "Wine Quality") +
19  theme_minimal()
```

## Gráfico

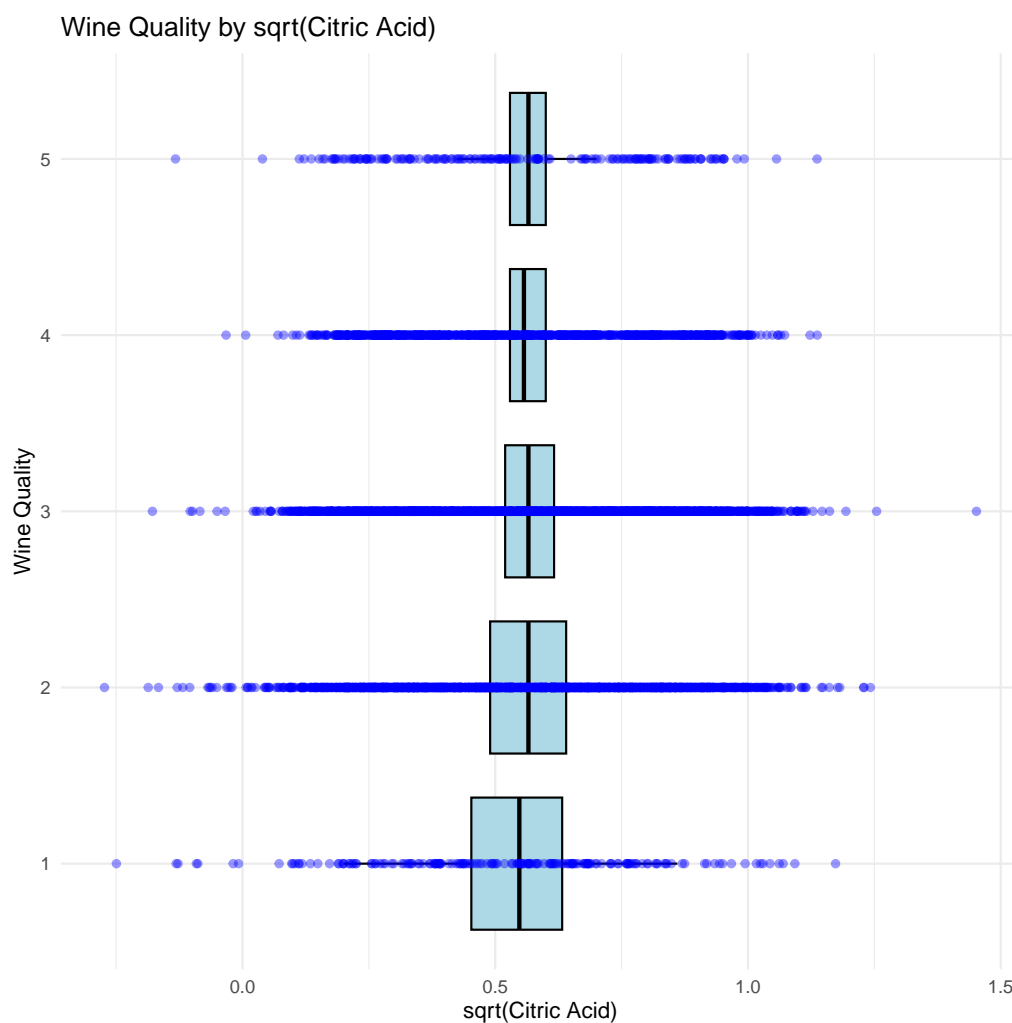


Figure 1: Gráfico