

# Resolução

```
1 library(readxl)
2 library(ggplot2)
3
4 data = read_excel("Exc2/wine_prod_EU.xlsx")
5 data = subset(data, Category != '-' & 'Product Group' != 'Non-
  Vinified')
6 data2000 = subset(data, Year == 2000)
7
8 data2000$'Member State' [
9   data2000$'Member State' != 'France' &
10  data2000$'Member State' != 'Italy' &
11  data2000$'Member State' != 'Spain' &
12  data2000$'Member State' != 'Germany' &
13  data2000$'Member State' != 'Portugal'] <- 'Others'
14
15 ggplot(data2000, aes(x = Category, y = Production, fill = 'Member
  State')) +
16   geom_bar(stat = "identity", position = "dodge") +
17   labs(
18     title = "Wine Production by Category in 2000",
19     x = "Category",
20     y = "Production"
21   )
22
23 ggsave("plot.png", width = 5, height = 3)
```

## Gráfico

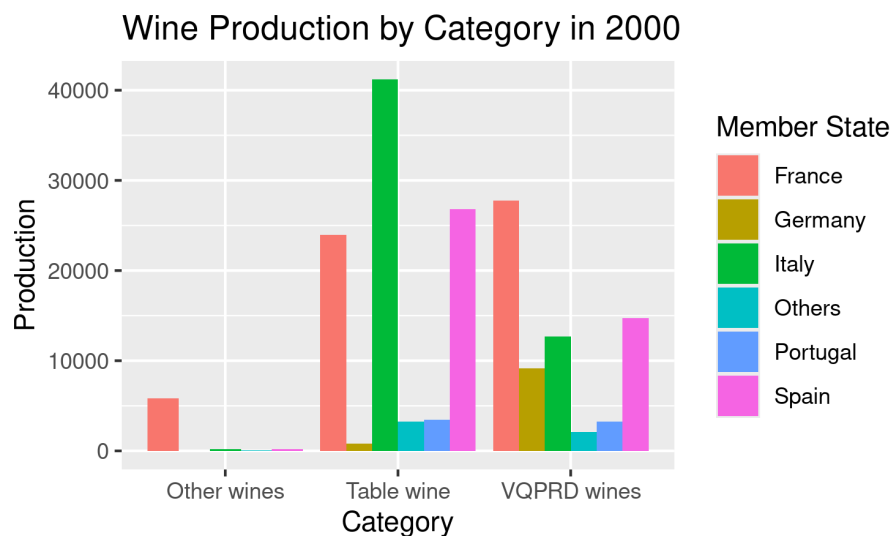


Figure 1: Gráfico