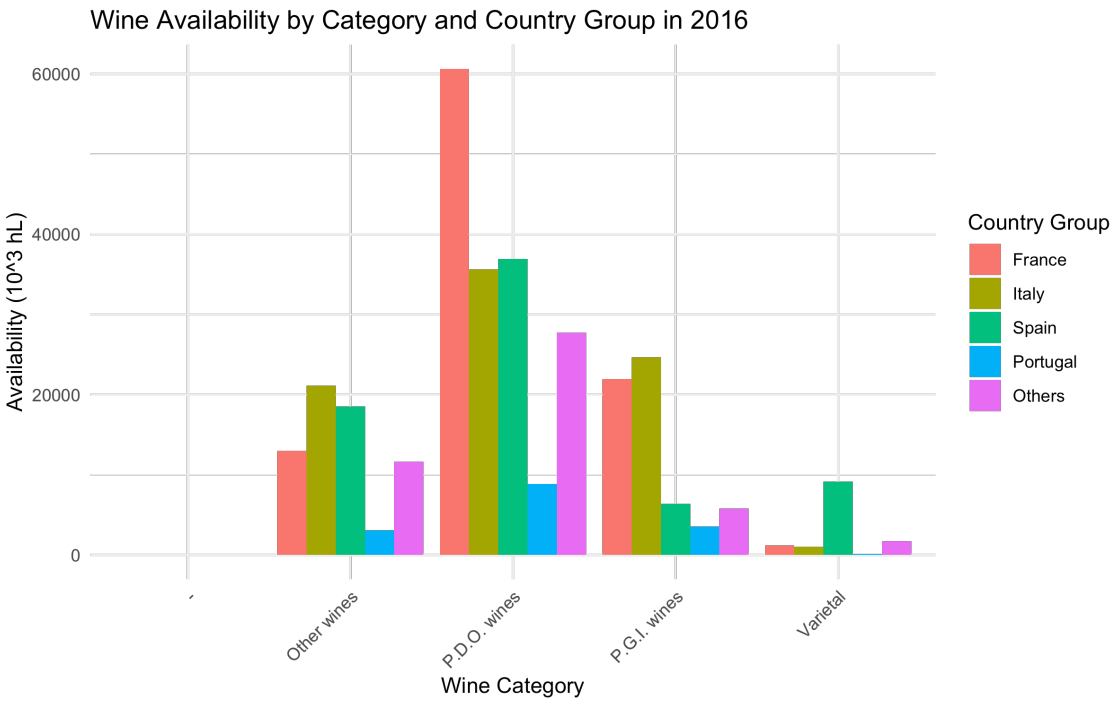
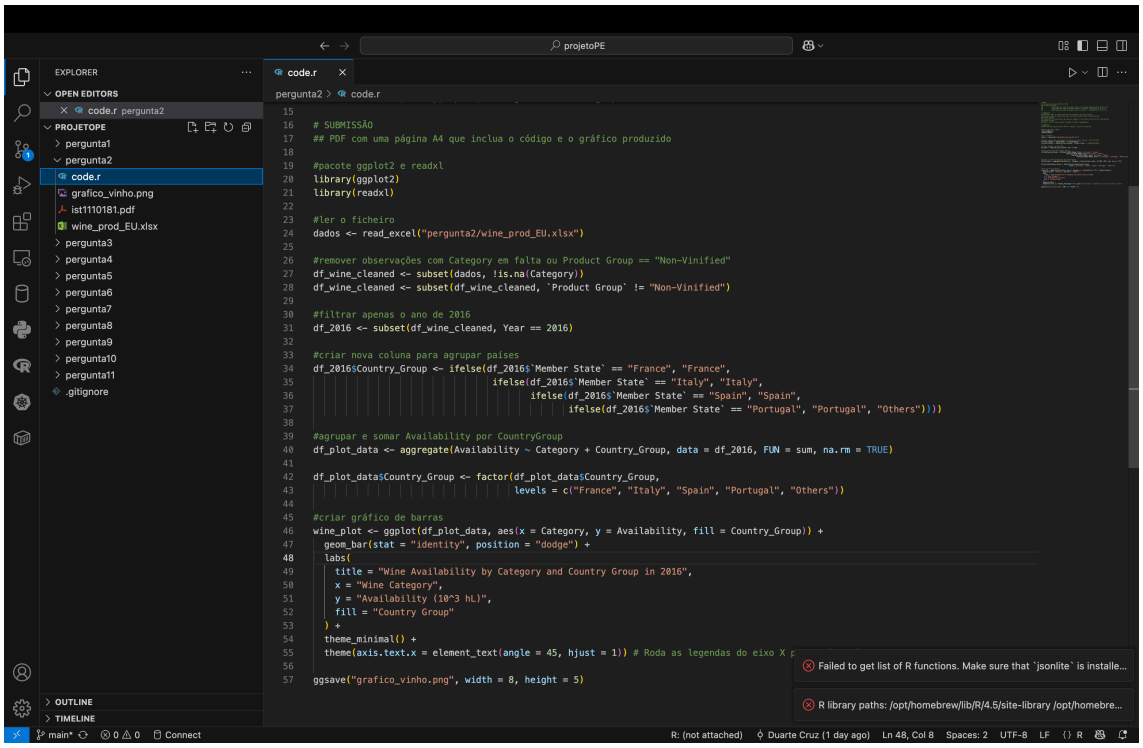

Wine Availability by Category and Country Group in 2016
Availability (10^3 hL)
60000
40000
20000
0
Other wines
P.D.O. wines
P.G.I. wines
Varietal
Wine Category
Country Group
France
Italy
Spain
Portugal
Others


projetoPE
EXPLORER
OPEN EDITORS
code.r pergunta2
PROJETOPE
pergunta1
pergunta2
code.r
grafico_vinho.png
ist1110181.pdf
wine_prod_EU.xlsx
pergunta3
pergunta4
pergunta5
pergunta6
pergunta7
pergunta8
pergunta9
pergunta10
pergunta11
.gitignore
OUTLINE
TIMELINE
code.r
pergunta2 > code.r
SUBMISSÃO
PDF com uma página A4 que inclua o código e o gráfico produzido
#pacote ggplot2 e readxl
library(ggplot2)
library(readxl)
#ler o ficheiro
dados <- read_excel("pergunta2/wine_prod_EU.xlsx")
#remover observações com Category em falta ou Product Group == "Non-Vinified"
df_wine_cleaned <- subset(dados, !is.na(Category))
df_wine_cleaned <- subset(df_wine_cleaned, `Product Group` != "Non-Vinified")
#filtrar apenas o ano de 2016
df_2016 <- subset(df_wine_cleaned, Year == 2016)
#criar nova coluna para agrupar países
df_2016$Country_Group <- ifelse(df_2016$`Member State` == "France", "France",
ifelse(df_2016$`Member State` == "Italy", "Italy",
ifelse(df_2016$`Member State` == "Spain", "Spain",
ifelse(df_2016$`Member State` == "Portugal", "Portugal", "Others"))))
#agrupar e somar Availability por CountryGroup
df_plot_data <- aggregate(Availability ~ Category + Country_Group, data = df_2016, FUN = sum, na.rm = TRUE)
df_plot_data$Country_Group <- factor(df_plot_data$Country_Group,
levels = c("France", "Italy", "Spain", "Portugal", "Others"))
#criar gráfico de barras
wine_plot <- ggplot(df_plot_data, aes(x = Category, y = Availability, fill = Country_Group)) +
geom_bar(stat = "identity", position = "dodge") +
labs(
title = "Wine Availability by Category and Country Group in 2016",
x = "Wine Category",
y = "Availability (10^3 hL)",
fill = "Country Group"
) +
theme_minimal() +
theme(axis.text.x = element_text(angle = 45, hjust = 1)) # Roda as legendas do eixo X
ggsave("grafico_vinho.png", width = 8, height = 5)
Failed to get list of R functions. Make sure that `jsonlite` is installe...
R library paths: /opt/homebrew/lib/R/4.5/site-library /opt/homebre...
main*
Connect
R: (not attached)
Duarte Cruz (1 day ago)
Ln 48, Col 8
Spaces: 2
UTF-8
LF
R