Projeto Computacional de PE – Exercício 3

```
library(readxl)

library(ggplot2)


countries <- c("Italy", "Latvia", "IEA Total")

electricity_data <- read_xlsx("C:/Users/dinis/OneDrive/Desktop/Projeto_R_PE/electricity.xlsx")

selected_data <- subset(electricity_data, PRODUCT == "Renewables" & YEAR >= 2015 & COUNTRY %in% countries)

selected_data$share_percentage <- as.numeric(selected_data$share) * 100

selected_data$DATE <- as.Date(paste(selected_data$YEAR, selected_data$MONTH, "01", sep = "-"))


ggplot(data=selected_data, aes(x=DATE, y= share_percentage, color=COUNTRY)) +
 geom_point()+
 labs(x = "Date", y = "Renewables (%)", title = "Monthly Evolution of Renewable Energy Proportion") +
 geom_line() +
 ylim(0, 100)
```