

Exercício 3

```
library(readxl)
library(ggplot2)
```

```
countries <- c("Italy", "Lithuania", "IEA Total")
```

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

