```
library(ggplot2)
```

```
dados <- readxl::read_excel("IST/PE/Projeto/Pergunta 3/electricity.xlsx")

filtered_data <- subset(dados, PRODUCT == "Renewables" & YEAR >= 2015 & COUNTRY %in% c("IEA Total", "Italy", "Latvia"))

filtered_data$share <- as.numeric(filtered_data$share) * 100

filtered_data$tate <- as.Date(paste("1", filtered_data$MONTH, filtered_data$YEAR, sep = "/"), "%d/%m/%Y")

plot <- ggplot(filtered_data) +

geom_line(aes(x = date, y = share, color = COUNTRY)) +

geom_point(aes(x = date, y = share, color = COUNTRY)) +

labs(

title = "Monthly Proportion of Renewable Electricity Production (2015-2022)",

x = "Date",

y = "Renewables Percentage",

color = "Country")
```

ggsave("IST/PE/Projeto/Pergunta 3/renewables_proportion.pdf", plot, width = 10, height = 6)

