library(readxl)

library(ggplot2)

dados <- read\_excel('C:\\Users\\vasco\\OneDrive - Universidade de Lisboa\\Universidade\\2ºAno\\2ºSemestre\\ProbabilidadesEstatíostica\\Projeto\\Exercício3\\electricity.xlsx')

paises <- c("IEA Total", "Hungary", "Iceland")

dados <- subset(dados, YEAR >= 2015 & PRODUCT == "Renewables" & COUNTRY %in% paises)

dados$share <- as.numeric(dados$share) \* 100

dados$CODE\_TIME <- factor(dados$CODE\_TIME, levels = unique(dados$CODE\_TIME))

ggplot(dados, aes(x = CODE\_TIME, y = share, group = COUNTRY, color = COUNTRY)) +

geom\_line() +

geom\_point() +

scale\_x\_discrete(breaks = dados$CODE\_TIME[seq(1, nrow(dados), by = 12 \* length(paises))]) +

scale\_y\_continuous(limits = c(0, 100)) +

A graph of a graph showing the growth of renewables

Description automatically generated with medium confidence labs(x = "Month", y = "Renewables (%)", title = "Monthly Proportion of Electricity Produced from Renewables (2015 - 2022)")