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#install.packages('readxl')
#install.packages('ggplot2')
library("readxl")
library("ggplot2")

df = read_excel("./question01/econ.xlsx", sheet = 1, col_names = TRUE)
df = df[df["tempo"] >= "1974-01-01", c("tempo", "dde Kemp", "gcp")]

df["dde Kemp"] = (df["dde Kemp"] - mean(df$dde Kemp)) / sd(df$dde Kemp)
df["gcp"] = (df["gcp"] - mean(df$gcp)) / sd(df$gcp)

ggplot(df, aes(x=tempo)) +
  geom_line(aes(y = dde Kemp, color = "dde Kemp")) +
  geom_line(aes(y = gcp, color = "gcp")) +
  scale_color_manual(values = c("#68a4d9", "#db4861"),
                     name = "Legenda",
                     labels = c("dde Kemp", "gcp")) +
  xlab("Tempo") +
  ylab("")

```

