Balance of Payment

## Quarto

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## Running Code

When you click the **Render** button a document will be generated that includes both content and the output of embedded code. You can embed code like this:

library(ggplot2)

library(dplyr)

library(gganimate)

# Balance of payment data for Pakistan  
bop\_pak <- c(2202.09, 2499.24, 3236.25, 4309.38, 5470.41, 5682.52, 5770.83, 5618.27, 6263.36, 5905.89, 5999.17, 6283.34, 7130.85, 7400.90, 8132.50, 8683.28, 9716.53, 9379.89, 9355.28, 11247.76, 12163.73, 10750.18, 9834.00, 9520.00, 9896.00, 9741.00, 10428.00, 11978.00, 16643.00, 21683.20, 26597.00, 28639.00, 38132.00, 28536.00, 32843.00, 38995.00, 40385.00, 41214.00, 42675.00, 39815.00, 42200.00, 52757.00, 56753.00, 47681.00, 44113.00, 65927.00, 65696.00)  
  
years\_pak <- 1976:(1976 + length(bop\_pak) - 1)  
  
# Balance of payment data for Finland  
bop\_fin <- c(5508.47, 6294.64, 7609.27, 8503.56, 11099.78, 14069.60, 13661.61, 12841.86, 12172.12, 13086.77, 13351.14, 16030.89, 19107.72, 21851.47, 22921.23, 26139.23, 22760.61, 23815.42, 23366.65, 29544.03, 39785.14, 39959.40, 40426.24, 42040.12, 41228.68, 45051.99, 42362.13, 48006.72, 55564.83, 65704.64, 70041.74, 81902.89, 98615.71, 105433.84, 71766.07, 75038.96, 83030.37, 76760.16, 77796.80, 74459.46, 58806.70, 58351.64, 67198.32, 74302.41, 72690.21, 67416.39, 82912.15, 93058.31)  
  
years\_fin <- 1975:(1975 + length(bop\_fin) - 1)  
  
# Filter the common years  
common\_years\_bop <- intersect(years\_pak, years\_fin)  
  
data\_bop <- data.frame(  
 years = common\_years\_bop,  
 bop\_pak = bop\_pak[match(common\_years\_bop, years\_pak)],  
 bop\_fin = bop\_fin[match(common\_years\_bop, years\_fin)]  
)  
  
ggplot(data\_bop, aes(x = years)) +  
 geom\_line(aes(y = bop\_pak, color = "Pakistan"), size = 1) +  
 geom\_point(aes(y = bop\_pak, color = "Pakistan"), size = 3) +  
 geom\_line(aes(y = bop\_fin, color = "Finland"), size = 1) +  
 geom\_point(aes(y = bop\_fin, color = "Finland"), size = 3) +  
 labs(title = "Balance of Payments Comparison: Pakistan vs. Finland", x = "Years", y = "Balance of Payments") +  
 scale\_color\_manual(values = c("Pakistan" = "green", "Finland" = "blue")) +  
 theme\_minimal() +  
 theme(legend.position = "top", panel.background = element\_rect(fill = "#E1F7EC")) +  
 transition\_reveal(years)

