Fiscal Deficit

## 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)

# Fiscal deficit data for Pakistan  
fiscal\_deficit\_pak <- c(1106677866, 1115550198, 730540054.9, 862525252.5, 1207070707, 1448787879, 1688282828, 1930909091, 2054444444, 2377272727, 2856161616, 3177440758, 3276062992, 3765286435, 3768205805, 4070799752, 4513952811, 5967188835, 6742683749, 6056280092, 6507846744, 6277807436, 6745658216, 6286198447, 7120811699, 8006898946, 7425553372, 7005367591, 6524154507, 9864933559, 8408639643, 9428613186, 10935154516, 12807486538, 13302492015, 18726239045, 19155245719, 21397392340, 21597843520, 21478245091, 23581137427, 25259040063, 26537730183, 27213344332, 29363323633, 33272868243, 36477283976, 39151397442, 34496976223, 35416575957, 38091362850, 39333194497)  
  
years\_pak <- 1971:(1971 + length(fiscal\_deficit\_pak) - 1)  
  
# Fiscal deficit data for Finland  
fiscal\_deficit\_fin <- c(1875737425, 2226118440, 2883270577, 3736588940, 4985248101, 5699006001, 6156116276, 6548544404, 7824744314, 9499521836, 9621107743, 9745898606, 9577284372, 10020775623, 11010168841, 14655172414, 18606790207, 21384506041, 23107939587, 29517959882, 30555800618, 27312184762, 20787967107, 23134889015, 29380446623, 29279057727, 27047302714, 27577881620, 27404309804, 24872885945, 25810251725, 28961977638, 36212968795, 41834922712, 43869111184, 46285139432, 53241701345, 61614358852, 61010572698, 59079237533, 64384890224, 62240302420, 66582541660, 67361632269, 57189841947, 56993334377, 58255398908, 63140913821, 62264052761, 65935554781, 72953787806, 68066957872)  
  
years\_fin <- 1971:(1971 + length(fiscal\_deficit\_fin) - 1)  
  
# Filter the common years  
common\_years\_fiscal\_deficit <- intersect(years\_pak, years\_fin)  
  
data\_fiscal\_deficit <- data.frame(  
 years = common\_years\_fiscal\_deficit,  
 fiscal\_deficit\_pak = fiscal\_deficit\_pak[match(common\_years\_fiscal\_deficit, years\_pak)],  
 fiscal\_deficit\_fin = fiscal\_deficit\_fin[match(common\_years\_fiscal\_deficit, years\_fin)]  
)  
  
ggplot(data\_fiscal\_deficit, aes(x = years)) +  
 geom\_line(aes(y = fiscal\_deficit\_pak, color = "Pakistan"), size = 1) +  
 geom\_point(aes(y = fiscal\_deficit\_pak, color = "Pakistan"), size = 3) +  
 geom\_line(aes(y = fiscal\_deficit\_fin, color = "Finland"), size = 1) +  
 geom\_point(aes(y = fiscal\_deficit\_fin, color = "Finland"), size = 3) +  
 labs(title = "Fiscal Deficit Comparison: Pakistan vs. Finland", x = "Years", y = "Fiscal Deficit") +  
 scale\_color\_manual(values = c("Pakistan" = "green", "Finland" = "blue")) +  
 theme\_minimal() +  
 theme(legend.position = "top", panel.background = element\_rect(fill = "#E1F7EC")) +  
 transition\_reveal(years)

