Export

## Quarto

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see <https://quarto.org>.

## 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)

# Export data for Pakistan  
exports\_pak <- c(823603527.9, 675563974.5, 942116712.4, 1208080808, 1312525253, 1402121212, 1413232323, 1679696970, 2174646465, 2978282828, 3606767677, 3131090047, 3495669291, 3549643811, 3290831135, 3922380657, 4605651034, 5331871262, 5652851126, 5917028935, 7725461182, 8442738387, 8394305117, 8449778027, 10132269179, 10703072794, 10040500611, 10252214044, 9668690721, 9580014496, 10322861560, 11029067879, 13669643162, 15103005037, 17790729410, 20313148425, 21406516454, 24013350068, 23212999517, 24858631876, 31088962295, 29697606560, 31497982535, 30382089108, 29920081363, 27400966312, 27888164550, 30562205969, 30136170157, 27935252708, 31546334470, 39515651442)  
  
years\_pak <- 1971:(1971 + length(exports\_pak) - 1)  
  
# Export data for Finland  
exports\_fin <- c(2827196647, 3487225409, 4596304652, 6381402237, 6523355423, 7499615325, 8995130589, 10101083032, 13152190505, 16534905961, 16409479195, 15244850130, 14631725021, 15594578552, 15638910207, 18858784893, 22897335317, 26071073205, 27400581959, 31323277873, 27176885752, 28745686222, 27996252732, 35158793398, 47992919390, 47988609889, 47944107204, 50182465510, 50865246751, 52967332461, 51507654130, 54947289188, 64062137649, 76257431519, 82514287315, 93509466784, 1.1236E+11, 1.28287E+11, 91464252097, 95814846367, 1.07211E+11, 1.00238E+11, 1.03166E+11, 1.00274E+11, 83041492299, 83813596801, 95994657971, 1.06062E+11, 1.07086E+11, 97301402129, 1.17039E+11, 1.2815E+11)  
  
years\_fin <- 1971:(1971 + length(exports\_fin) - 1)  
  
# Filter the common years  
common\_years\_exports <- intersect(years\_pak, years\_fin)  
  
data\_exports <- data.frame(years = common\_years\_exports,  
 exports\_pak = exports\_pak[match(common\_years\_exports, years\_pak)],  
 exports\_fin = exports\_fin[match(common\_years\_exports, years\_fin)])  
  
ggplot(data\_exports, aes(x = years)) +  
 geom\_line(aes(y = exports\_pak, color = "Pakistan"), size = 1) +  
 geom\_point(aes(y = exports\_pak, color = "Pakistan"), size = 3) +  
 geom\_line(aes(y = exports\_fin, color = "Finland"), size = 1) +  
 geom\_point(aes(y = exports\_fin, color = "Finland"), size = 3) +  
 labs(title = "Export Comparison: Pakistan vs. Finland", x = "Years", y = "Export Amount") +  
 scale\_color\_manual(values = c("Pakistan" = "green", "Finland" = "blue")) +  
 theme\_minimal() +  
 theme(legend.position = "top", panel.background = element\_rect(fill = "#FFD8D8")) +  
 transition\_reveal(years)

