Código:

```
if (!requireNamespace("ggplot2", quietly = TRUE)) install.packages("ggplot2") # Instalar e carregar os pacotes necessários, se ainda não estiverem instalados

library(ggplot2)

data <- read.csv("~/Documents/2ANO-UNI/Semestre_2/PE/Projeto/Exercicio1/Paises_PIB_ICH.csv") # Ler os dados

continents <- c("Asia", "Africa") # Filtrar os dados para os países da Ásia e África

selected_data = subset(data, Continent %in% continents)

highlight_countries <- c("United Arab Emirates", "Nepal", "Comoros", "Namibia") # Definir os países a serem destacados

highlight_data = subset(selected_data, Country %in% highlight_countries)

# Criar o gráfico

ggplot(selected_data) +

 geom_segment(data = highlight_data,

        aes(x = GDP, y = HCI - 0.02, xend = GDP, yend = HCI),

        arrow = arrow(length = unit(0.3, "cm")), color = "black") +

 geom_point(size = 3, alpha=0.7, aes(x = GDP, y = HCI, color = Continent)) +

 geom_text(data = highlight_data, aes(x = GDP, y = HCI, label = Country), vjust = -1) +

 labs(title = "Human Capital Index/GDP per Capita",

   x = "GDP per Capita (log scale)",

   y = "Human Capital Index",

   color = "Continent") +

scale_x_log10() +

scale_color_manual(values = c("Asia" = "orange", "Africa" = "purple")) +

theme(

 plot.title = element_text(face = "bold", size = 14, hjust = 0.5),

 axis.title.x = element_text(face = "bold", size = 10),

 axis.title.y = element_text(face = "bold", size = 10),

 panel.border = element_rect(colour = "black", fill = NA, size = 1)

)
```