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library("ggplot2")

data <- read.csv("Paises_PIB_ICH.csv")

filtered_data <- subset(data, Continent %in% c("Asia", "Africa"))

highlight_countries <- c("United Arab Emirates", "Nepal", "Comoros", "Namibia")

highlighted_data <- subset(filtered_data, Country %in% highlight_countries)

filtered_data |>
  ggplot() +
  geom_point(aes(x = GDP, y = HCI, color = Continent)) +
  geom_point(data = highlighted_data,
    aes(x = GDP, y = HCI), size = 2, shape = 21, fill = "black") +
  geom_text(data = highlighted_data,
    aes(x = GDP, y = HCI, label = Country, color = Continent),
    vjust = -1, check_overlap = TRUE, show.legend = FALSE) +

  scale_x_log10() +
  labs(
    title = "Human Capital Index vs GDP per Capita",
    x = "GDP per Capita (log scale)",
    y = "Human Capital Index (HCI)",
    color = "Continent"
  ) +
  theme_minimal() +
  theme(
    legend.title = element_text(margin = margin(t = 10, r = 0, b = 10, l = 0)),
    plot.title = element_text(hjust = 0.5)
  )

```

