

## Pergunta 1

```
library(ggplot2)

dados <- read.csv("./data/Paises_PIB_ICH.csv")
continentes <- c("Asia", "Africa")
países <- c("Comoros", "Namibia", "Nepal", "United Arab Emirates")

dados <- subset(dados, Continent %in% continentes)
dados$Shape <- ifelse(dados$Country %in% países, dados$Country, "Other")

ggplot(dados, aes(x = log(GDP), y = HCI)) +
  geom_point(size = 3, aes(color = Continent, shape = Shape)) +
  scale_shape_manual(values = c(9, 13, 7, 10, 19), breaks = c(países, "Other")) +
  geom_text(data = subset(dados, Country %in% países), aes(label = Country),
            vjust = -1, hjust = 0.5, size = 3.5) +
  labs(title = "Human Capital Index relative to GDP per capita",
       caption = "Source: World Bank and IMF",
       x = "GDP per capita (log scale)", shape = "Country") +
  theme_light()
```

