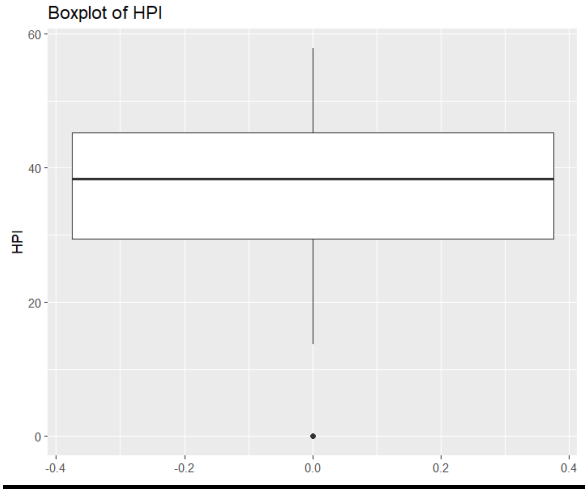
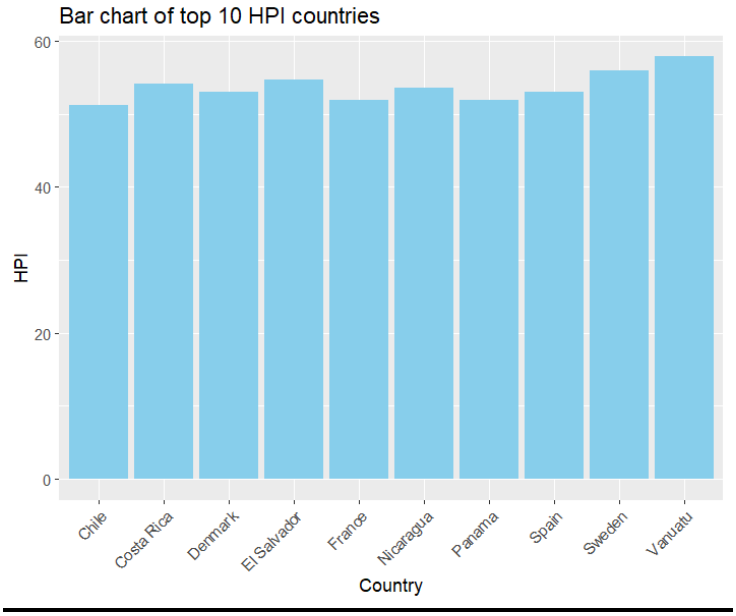
BOXPLOT OF HPI

```
> ggplot(mydata, aes(y = HPI)) +
+     geom_boxplot() +
+     ggtitle("Boxplot of HPI")
```



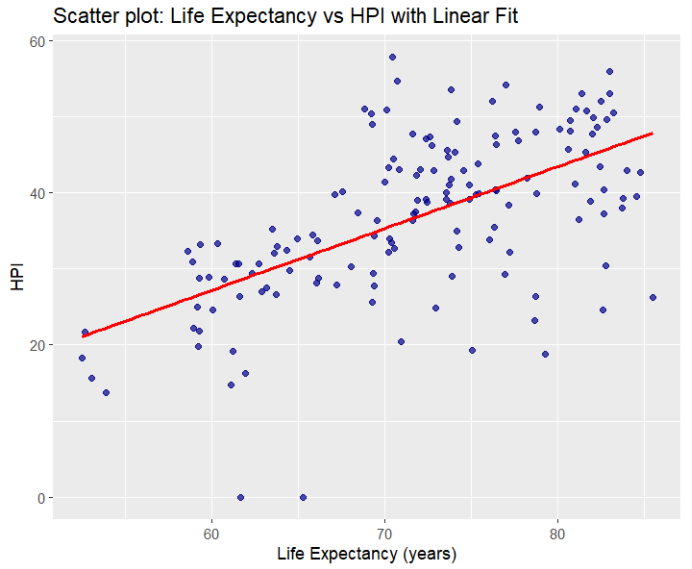
BAR CHART OF HPI

```
> top_10 <- mydata %>% top_n(10, HPI)
> ggplot(top_10, aes(x = Country, y = HPI)) +
+     geom_bar(stat = "identity", fill = "skyblue") +
+     ggtitle("Bar chart of top 10 HPI countries") +
+     theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



SCATTER PLOT OF LIFE EXPECTANCY VS. HPI

```
> ggplot(mydata, aes(x = `Life Expectancy (years)`, y = HPI)) +
+     geom_point(color = "darkblue", alpha = 0.7) +
+     geom_smooth(method = "lm", se = FALSE, color = "red") +
+     ggtitle("Scatter plot: Life Expectancy vs HPI with Linear Fit") +
+     xlab("Life Expectancy (years)") +
+     ylab("HPI")
```



LINE PLOT: HPI AND CARBON FOOTPRINT (TOP 10 COUNTRIES)

```
> ggplot(top_10) +
+     geom_line(aes(x = Country, y = HPI, group = 1), color = "blue") +
+     geom_line(aes(x = Country, y = `Carbon Footprint (tCO2e)`, group = 1), color =
"red") +
+     geom_point(aes(x = Country, y = HPI), color = "blue") +
+     geom_point(aes(x = Country, y = `Carbon Footprint (tCO2e)`), color = "red") +
+     ggtitle("Line plot: HPI and Carbon Footprint (Top 10 countries)") +
+     theme(axis.text.x = element_text(angle = 45, hjust = 1))
```