

# World Development Indicators Analysis

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```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr      1.1.4      v readr      2.1.5
v forcats    1.0.0      v stringr    1.5.1
v ggplot2    3.5.1      v tibble     3.2.1
v lubridate  1.9.3      v tidyr      1.3.1
v purrr      1.0.2
```

```
-- Conflicts ----- tidyverse_conflicts() --
```

```
x dplyr::filter() masks stats::filter()
```

```
x dplyr::lag()     masks stats::lag()
```

```
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
```

```
library(knitr)
```

```
# Load Data
```

```
df <- read.csv("wdi.csv")
```

```
# Select relevant columns
```

```
df_selected <- df %>% select(country, gdp_per_capita, inflation_rate, unemployment_rate)
```

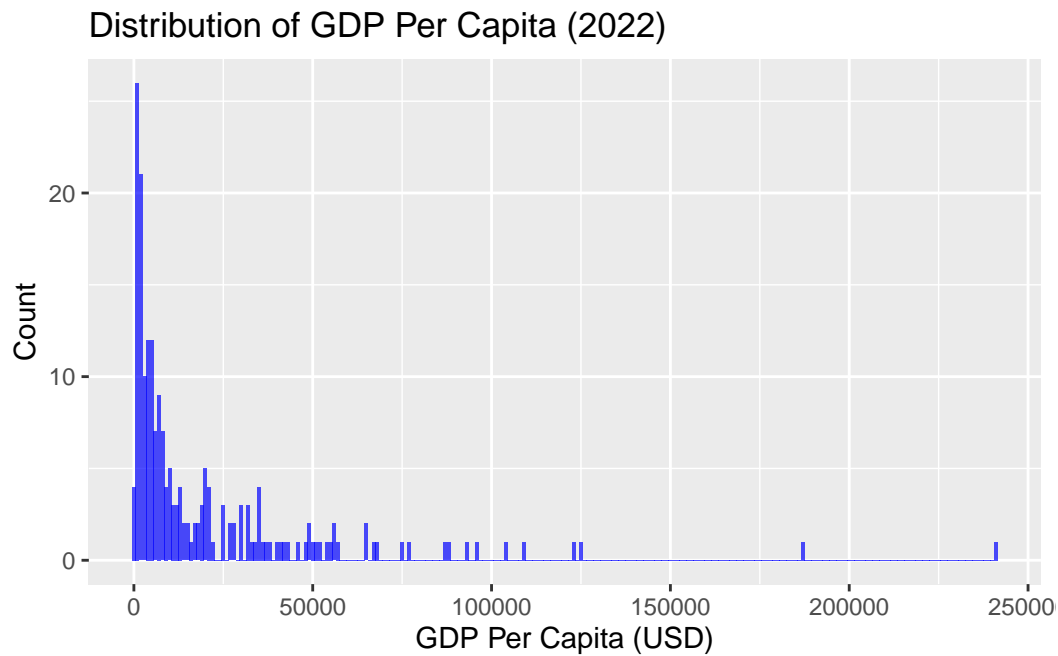
```
summary(df_selected)
```

country	gdp_per_capita	inflation_rate	unemployment_rate
Length:217	Min. : 259	Min. : -6.687	Min. : 0.130
Class :character	1st Qu.: 2571	1st Qu.: 5.518	1st Qu.: 3.501
Mode :character	Median : 7588	Median : 7.968	Median : 5.537

Mean	: 20346	Mean	: 12.494	Mean	: 7.269
3rd Qu.	: 25983	3rd Qu.	: 11.666	3rd Qu.	: 9.455
Max.	:240862	Max.	:171.205	Max.	:37.852
NA's	:14	NA's	:48	NA's	:31

## GDP Per Capita Distribution

Warning: Removed 14 rows containing non-finite outside the scale range (``stat_bin()``).

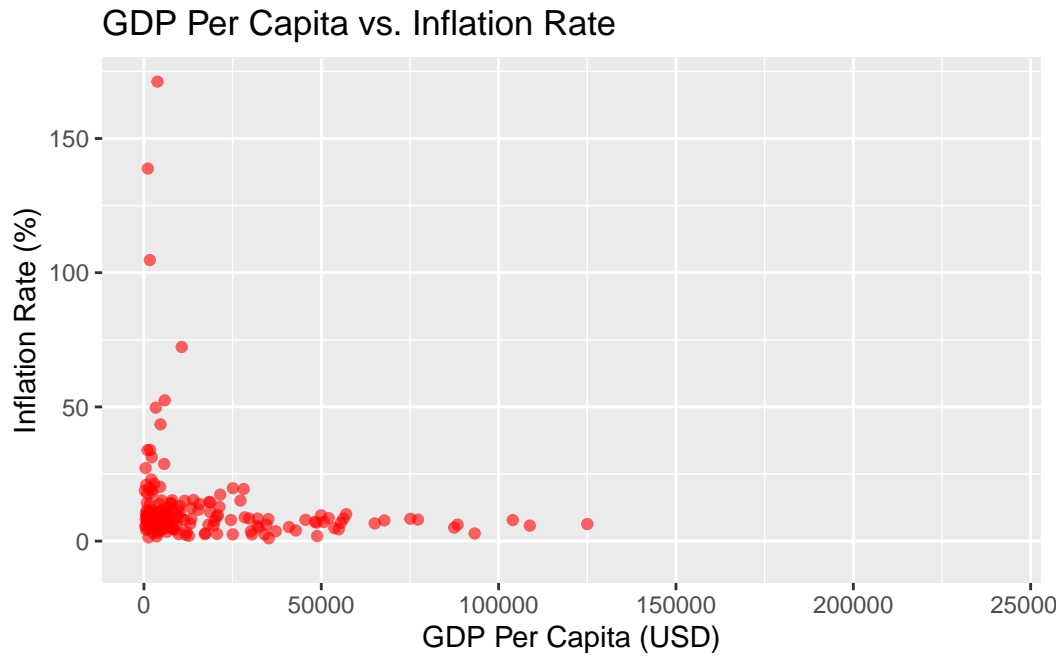


*Figure 1: Distribution of GDP per capita for various countries in 2022.*

Figure 1

## GDP vs Inflation Rate

Warning: Removed 49 rows containing missing values or values outside the scale range (``geom_point()``).



*Figure 2: Distribution of GDP per capita for various countries in 2022. (Group 2022)*

Figure 2

Warning: Removed 38 rows containing missing values or values outside the scale range (``geom_point()``).

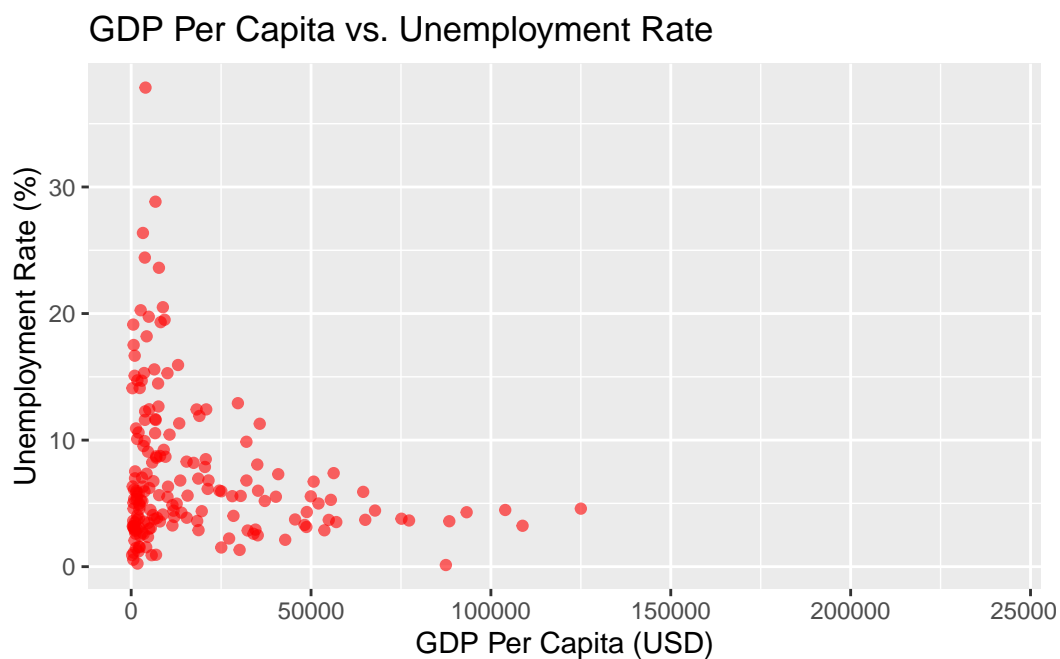


Figure 2: Distribution of GDP per capita for various countries in 2022.

Figure 3

Indicator	Mean	Median	Min	Max
GDP Per Capita (USD)	XXXX.X	XXXX.X	XXXX.X	XXXX.X
Inflation Rate (%)	XX.XX	XX.XX	XX.XX	XX.XX
Unemployment Rate (%)	XX.XX	XX.XX	XX.XX	XX.XX

The scatter plot in Figure 3 highlights a positive correlation between GDP per capita and life expectancy.

## Conclusion

This report provided a brief overview of economic indicators from the dataset. Further analysis could explore trends across different regions.

Group, World Bank. 2022. *World Development Indicators*. <https://data.worldbank.org>.