# Data dictionary:

| **Column Name** | **Description** |
| --- | --- |
| **population\_2024** | Total estimated population of the country in the year 2024. |
| **population\_growthRate** | The rate at which the population of the country is growing. |
| **land\_area** | The total land area of the country, likely measured in square kilometers. |
| **country** | The name of the country. |
| **region** | The geographical region where the country is located. |
| **unMember** | Indicates whether the country is a member of the United Nations (True/False). |
| **population\_density** | The population density of the country per square kilometer. |
| **population\_densityMi** | The population density of the country per square mile. |
| **share\_borders** | The countries with which this country shares its borders. |
| **Hdi2021** | The Human Development Index (HDI) for the year 2021. |
| **Hdi2020** | The Human Development Index (HDI) for the year 2020. |
| **WorldHappiness2022** | The World Happiness Index for the year 2022. |
|  |  |

# Descriptive statistic

We have to describe a report of the dataset

| **#** | **Column** | **Count** | **Mean** | **Std** | **Min** | **25%** | **50%** | **75%** | **Max** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | population\_2024 | 141 | 54,221,570 | 174,936,300 | 377,689 | 5,494,963 | 11,715,770 | 39,107,050 | 1,441,720,000 |
| 2 | population\_growthRate | 141 | 0.9327% | 1.2112% | -3.087% | 0.118% | 0.892% | 1.823% | 3.809% |
| 3 | land\_area | 141 | 873,430.6 km² | 2,200,180 km² | 316 km² | 64,559 km² | 238,391 km² | 652,230 km² | 17,098,242 km² |
| 4 | population\_density | 141 | 272.74/km² | 945.62/km² | 2.24/km² | 37.37/km² | 87.14/km² | 170.27/km² | 8,429.96/km² |
| 5 | population\_densityMi | 141 | 706.40/mi² | 2,449.16/mi² | 5.81/mi² | 96.78/mi² | 225.68/mi² | 440.99/mi² | 21,833.59/mi² |
| 6 | Hdi2021 | 141 | 0.7372 | 0.1538 | 0.394 | 0.607 | 0.754 | 0.875 | 0.962 |
| 7 | Hdi2020 | 141 | 0.7376 | 0.1523 | 0.397 | 0.610 | 0.756 | 0.871 | 0.959 |
| 8 | WorldHappiness2022 | 141 | 5.5426 | 1.1052 | 2.404 | 4.744 | 5.578 | 6.293 | 7.821 |

# Objective

Is know which is the Best Country to Live According to Human Development Index

Following questions that we have to answer finding the patrons in the dataset:

Key columns:

**population\_2024**

**population\_growthRate**

**land\_area**

**population\_density**

- Country with the highest population

- Compare the country by index and population

- compare the country with the highest hdi

-Country with the best develop in the last years

-Which countries have the highest and lowest population growth rates?

-How do population growth rates vary by region (e.g., Asia, Europe, Africa)?

-Is there a relationship between population growth rate and Human Development Index (HDI) or World Happiness Index?

The country with more population

China

The country with lowest population

Iceland

The country with the highest Hdi2020

Norway

The country with the highest Hdi2021

Switzerland

The country with the highest index and populated

United states

Which countries have the highest and lowest population growth rates?

Nigeria highest

Moldova lowest

Best country to live by World Happiness Index

Finland

Analayzing the country for determine which option can be the best for live

China, is the country most populated,can be the best country to live?

## Critical Decision:

For define the which can be the vest countrie for live,we have to consider many factors

so if we are thinking move the the most populated country that is china,we have too look the following d

But if you are intreted in live in a country with less population and high index I recccomend this, but if you are looking for very populate and high index I recommend that….

# Factors:

The are many factors to consider whis is the best country, depending if you are looking for very populate country o low populate