

## Task 1

Create a bar chart or histogram to visualize the distribution of a categorical or continuous variable, such as the distribution of ages or genders in a population.

Steps :

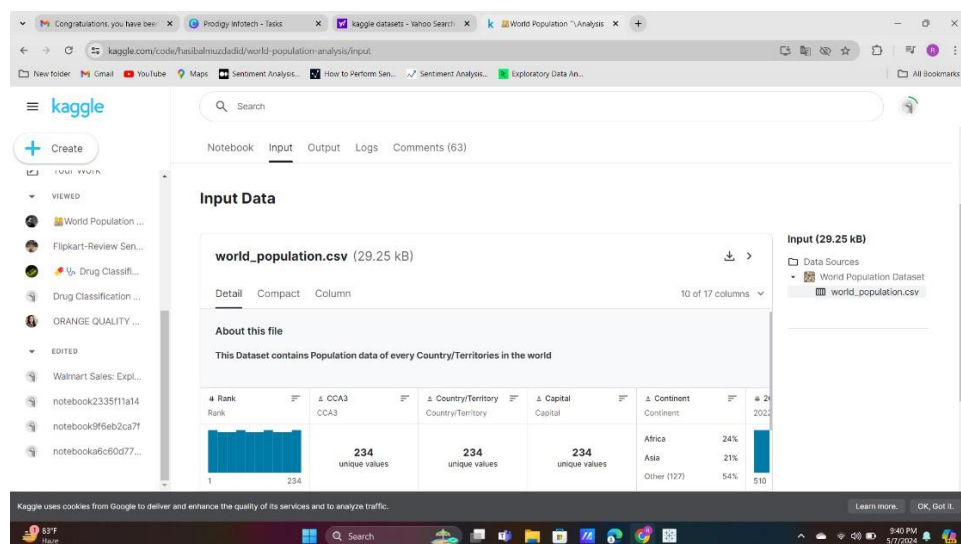
### Download the dataset

- Download the dataset from kaggle . Click the above link to view or download the World population dataset

<https://www.kaggle.com/code/hasibalmuzdadid/world-population-analysis/input>

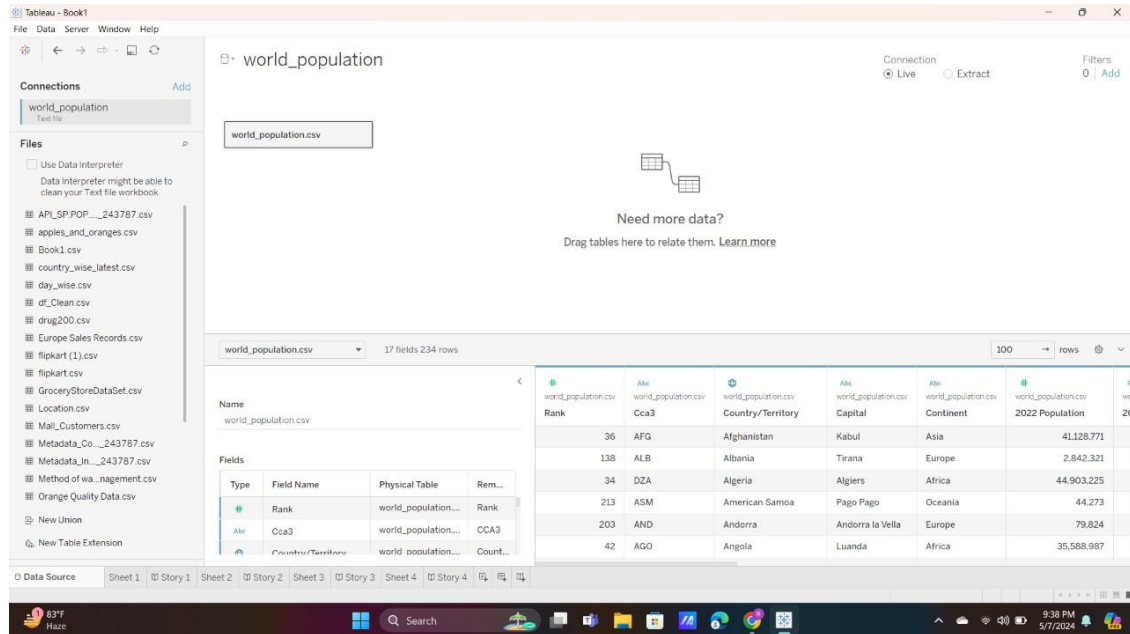
### Dataset Description

- **Rank:** Rank by population
- **CCA3:** 3 digit Country/Territories code
- **Country:** Name of the Country/Territories
- **Capital:** Name of the Capital
- **Continent:** Name of the Continent
- **2022 Population:** Population of the Country/Territories in the year 2022
- **2020 Population:** Population of the Country/Territories in the year 2020
- **2015 Population:** Population of the Country/Territories in the year 2015
- **2010 Population:** Population of the Country/Territories in the year 2010
- **2000 Population:** Population of the Country/Territories in the year 2000
- **1990 Population:** Population of the Country/Territories in the year 1990
- **1980 Population:** Population of the Country/Territories in the year 1980
- **1970 Population:** Population of the Country/Territories in the year 1970
- **Area (km<sup>2</sup>):** Area size of the Country/Territories in square kilometer
- **Density (per km<sup>2</sup>):** Population density per square kilometer
- **Growth Rate:** Population growth rate by Country/Territories
- **World Population Percentage:** The population percentage by each Country/Territories



## Connect the Data

- Open the Tableau & insert the dataset in data source if you want to filter the dataset use the filter option



## Create a New Worksheet

- Create a New worksheet by click the sheet option that can be appear at the bottom of the Tableau interface .

## Drag the variables in rows and column shelf

- If you're visualize the Continuous variable drag that in the column shelf
- If you're visualize the Categorical variable drag it into the row shelf .

## Choose the chart type

- Choose the Chart from the show me option that can present in the right side of the tableau interface .Choose the chart based on the criteria.

## Customize the chart

- Adjust the appearance of the chart by adjusting various options such as color ,Tooltip, Size, labels , etc .
- Fig 1.1 shows the clear view of the chart ,Customize options etc

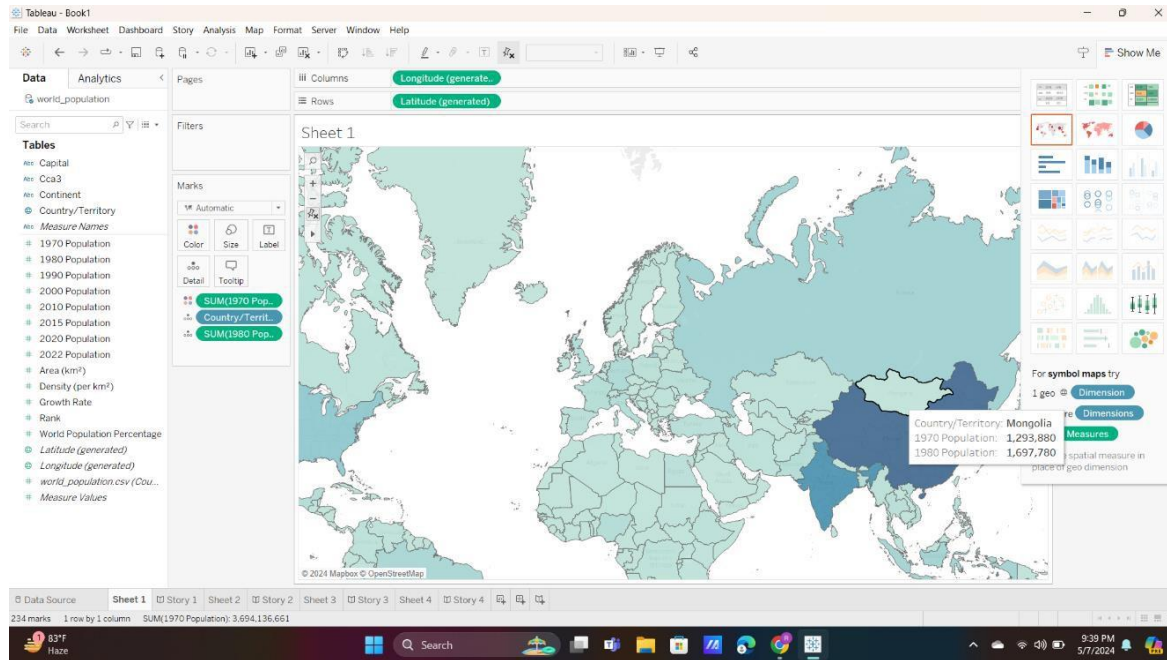
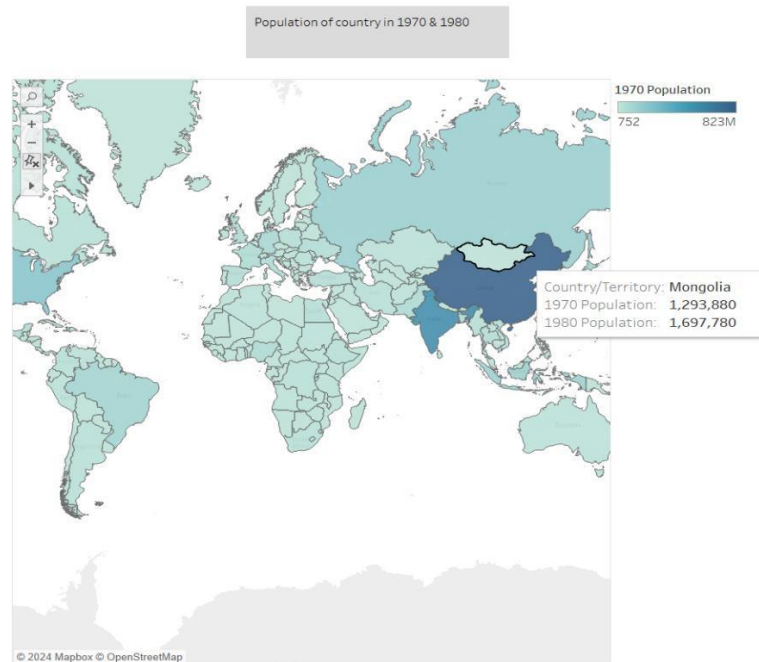


Fig 1.1

### Create Story or Dashboard

- Create story or dashboard to display the charts to end user .
- It helps for an organization to make decision .

#### Story 1



Here I create a story to display the Population of a Country in 1970 & 1980 Using the symbol map .

## Story 2

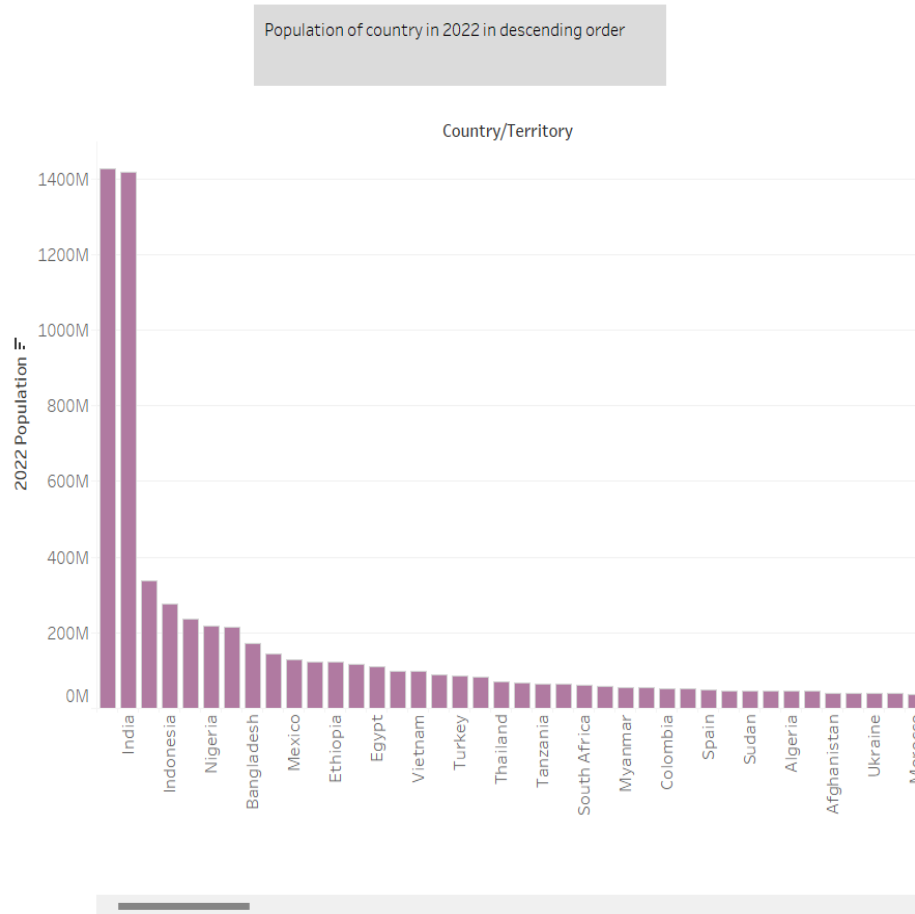


Fig 1.2

Fig 1.2 shows the Distribution of the country population in 2022 .

### Story 3

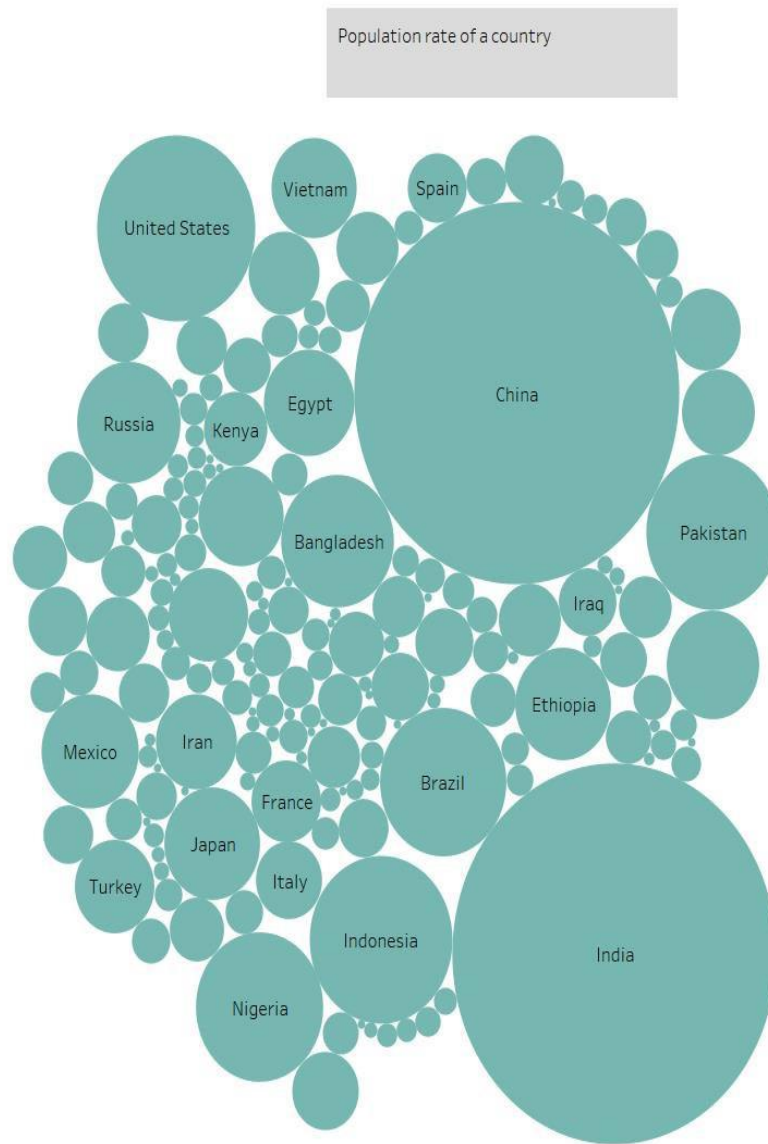


Fig 1.3

Fig 1.3 shows the Population Rate of the country

## Story 4

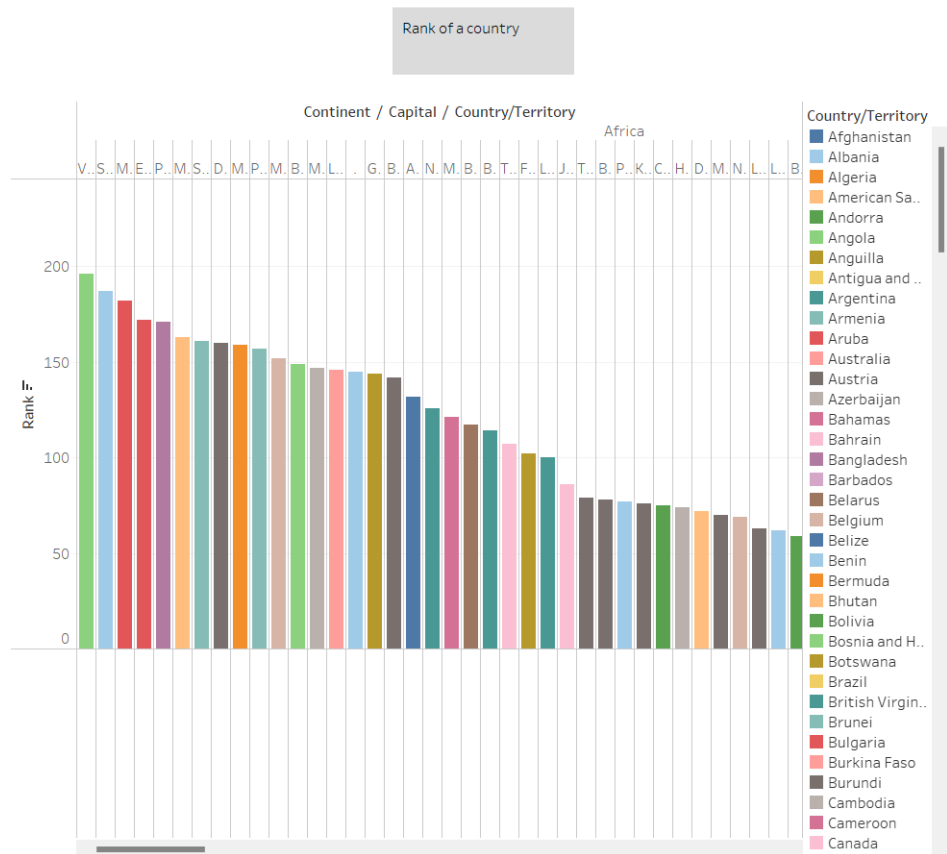


Fig 1.4

Fig 1.4 shows the Capital , Continent of the country based on the Population Rank of the country

### Save the work

Once the work is completed you can save the word if you want you can export it in PDF format