

Tracing the growth of Global Community : A Population Forecasting Analysis

Introduction:

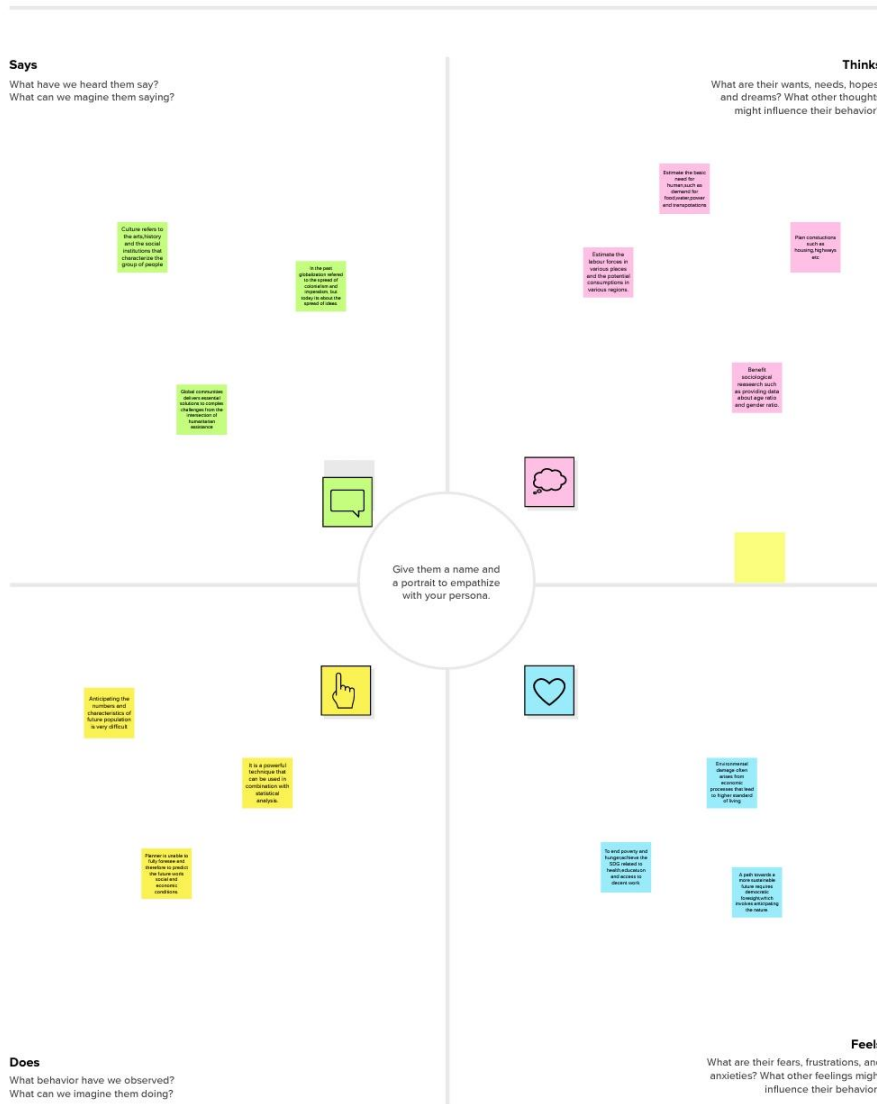
The world's population is more than three times larger than it was in the mid-twentieth century. The global human population reached 8.0 billion in mid-November 2022 from an estimated 2.5 billion people in 1950, adding 1 billion people since 2010 and 2 billion since 1998. The world's population is expected to increase by nearly 2 billion people in the next 30 years from the current 8 billion to 9.7 billion in 2050 and could peak at nearly 10.4 billion in the mid-2080s.

The dramatic growth has been driven largely by increasing numbers of people surviving to reproductive age, the gradual increase in human lifespan, increasing urbanization, and accelerating migration. Major changes in fertility rate have accompanied this growth. These trends will have far-reaching implications for generations to come.

Purpose:

The future trend of a population is an outcome of the interactive dynamics between its existing age structure and its future trends in fertility, mortality and migration. An abundance of scientific evidence shows the population growth in country is connected to socioeconomic growth, environmental protection, health promotion, quality of life, and social stability. Understanding the growth dynamics and future trends of population around the world is crucial to achieving the 2030 **Agenda for Sustainable Development Goals** and other long-term development goals. The article reviews the main features of recent and future trends in population growth for the world, major, region, and selected countries, we mainly rely on the estimated and projection of the 2019 Revision of the world **Population Prospects** produced by the **United Nations Population Division** to focus on 201 countries and areas with 90,000 inhabitants or more in mind.

Empathy Map



Ideation and Brainstorming

Person 1

| | | |
|--|---|--|
| Population dramatic growth has been driven largely by increasing numbers of people. | The gradual increase in human life span, increasing urbanization, and accelerating migration. | Today more digital form of globalization is changing who is participating, how business is done in the border. |
| The resulting report, global flows in digital age how trade values in economic growth. | we even find stronger evidence of the economic value of participating. | both inflow and outflow matters n growth. |
| Recent reports have been assessed by global flows. | current research forces are the economic impact of technology. | Building on that earlier work is important. |

Person 2

| | | |
|--|---|--|
| The primary objective of this is to describe and summarize the evidence. | independent researchers to arbitrate conflict | our secondary objective is to describe the use of cases. |
| A comprehensive platform was built to capture the data. | | |
| | | |

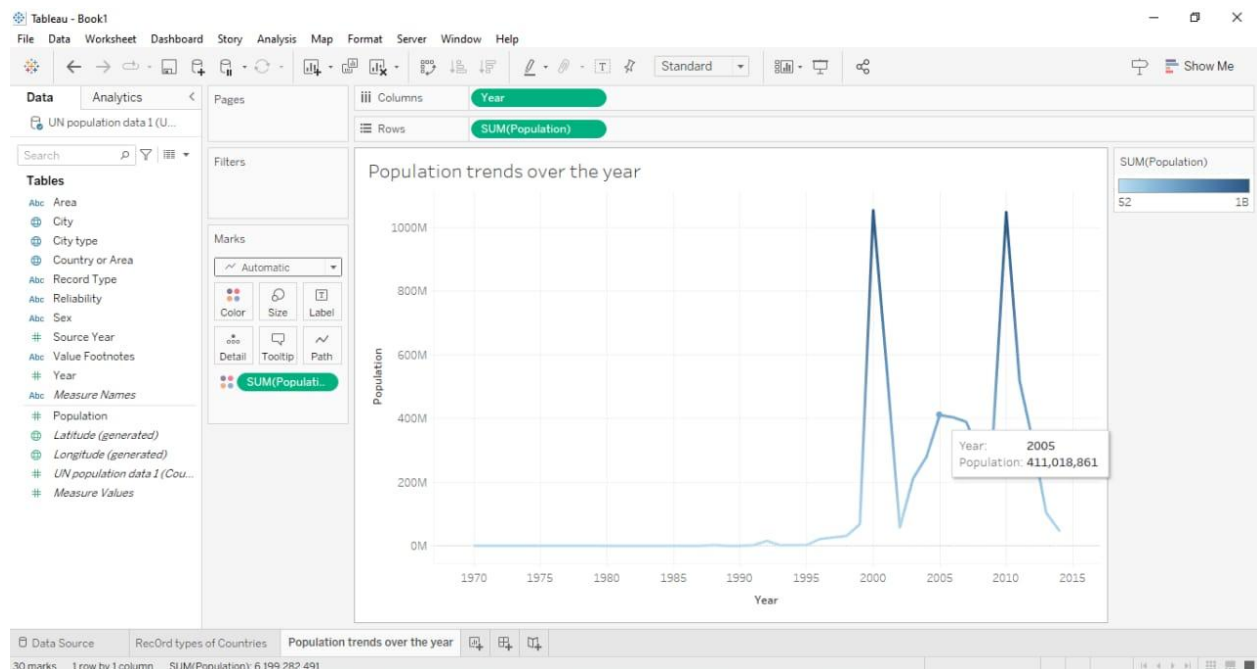
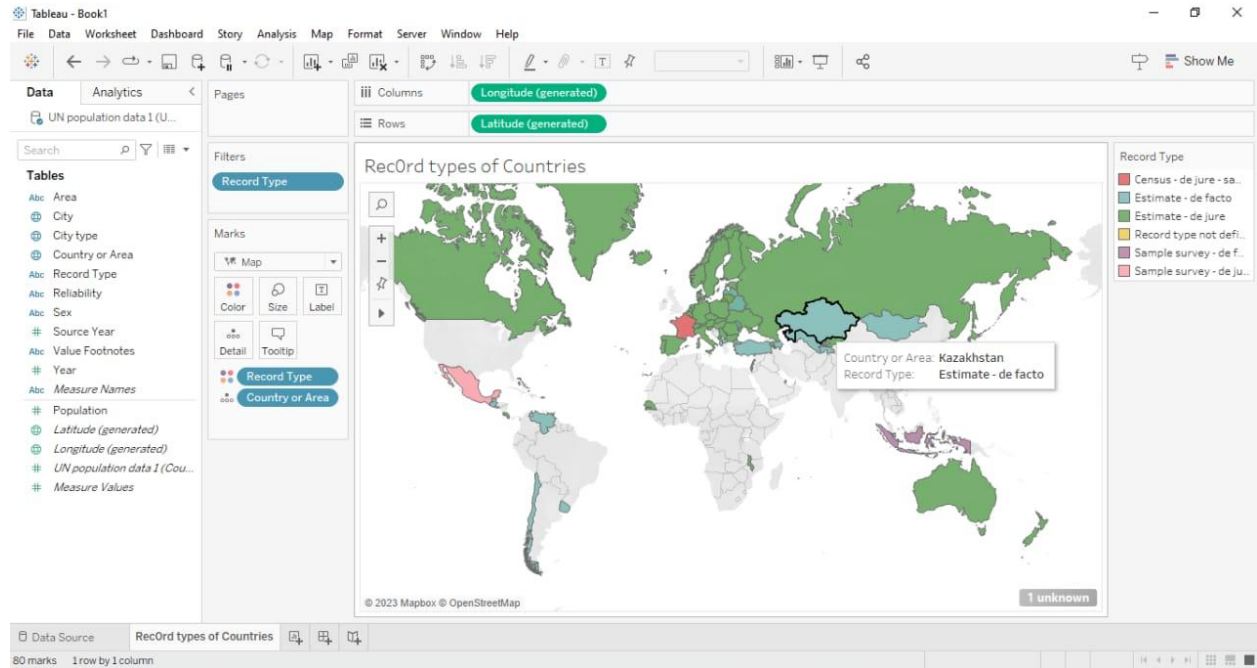
Person 3

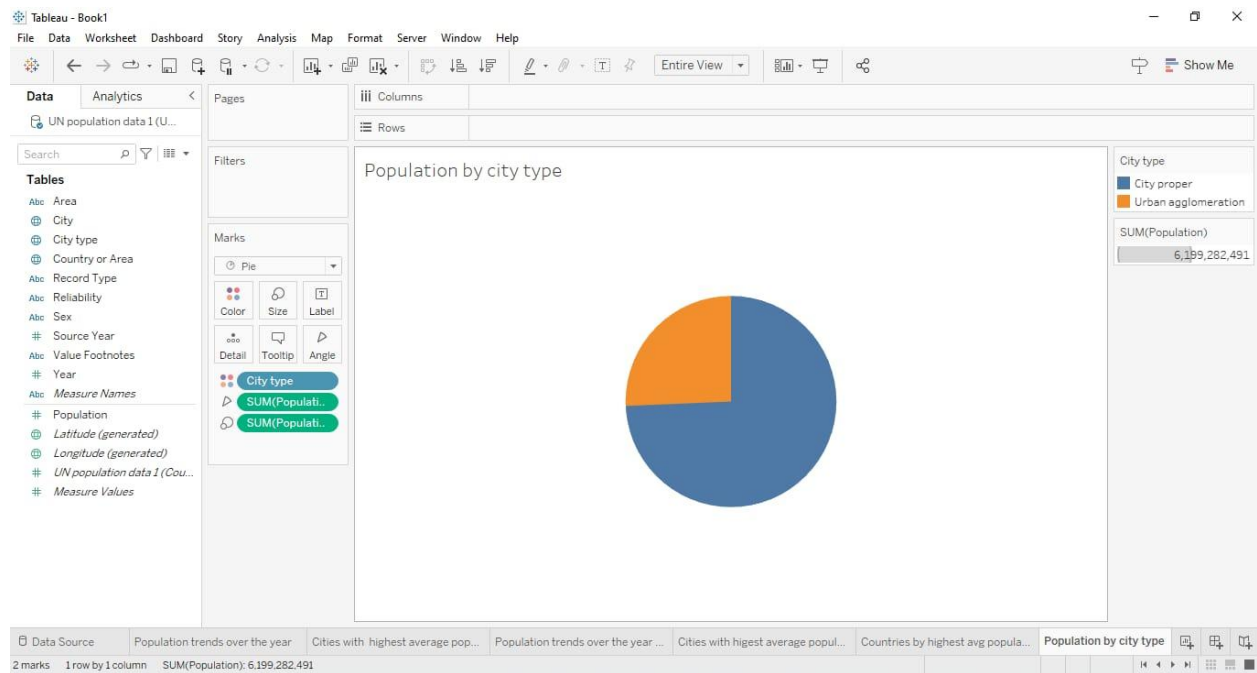
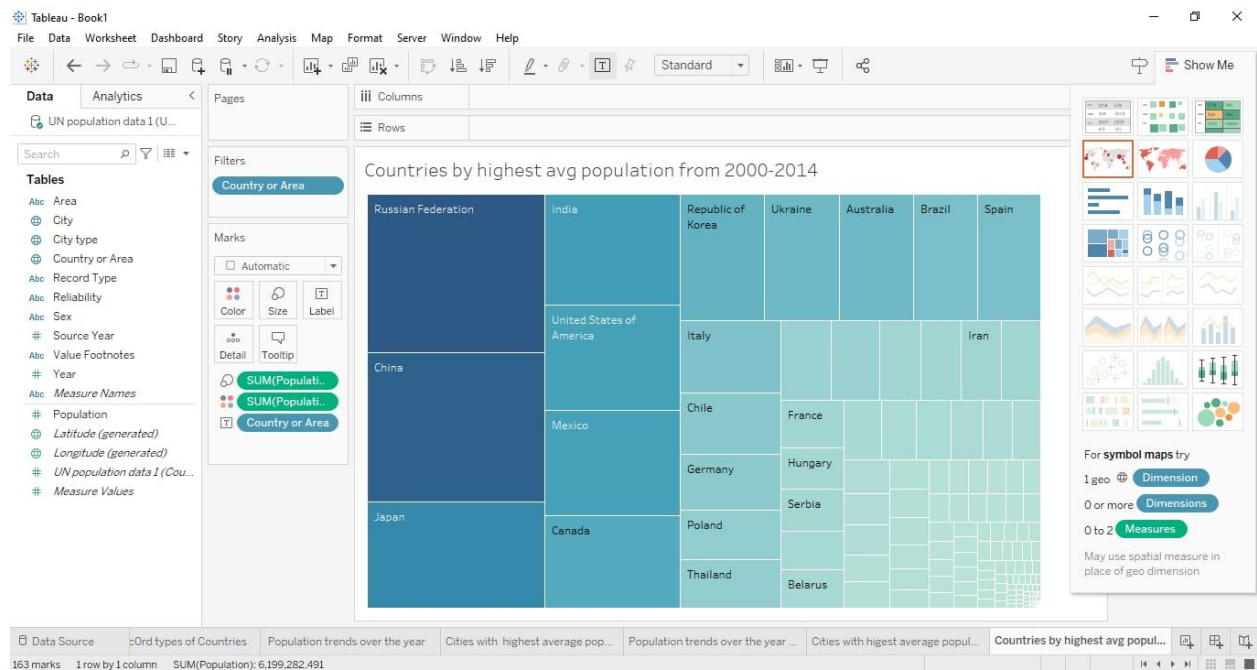
| | | |
|--|---|--|
| Christian have made up between 2% and 3% of India population in census since 1951 | Although there are concerns that christian may be encountered | It is the difficult to determine the extent of such an undercount and how it may be changing over time |
| The analysis shows that as a group, developing countries have become increasingly active participants in global society. | The world today lacks with critically global public goods. | |
| | | |

Person 4

| | | |
|---|---|--|
| More and more policy challenges are global | Due to the mitigation of climate change and communicable disease control. | Global policy responds based on effective world cooperation. |
| The End of Oil within the next couple of decades implies developing alternative energy. | | |
| | | |

Results





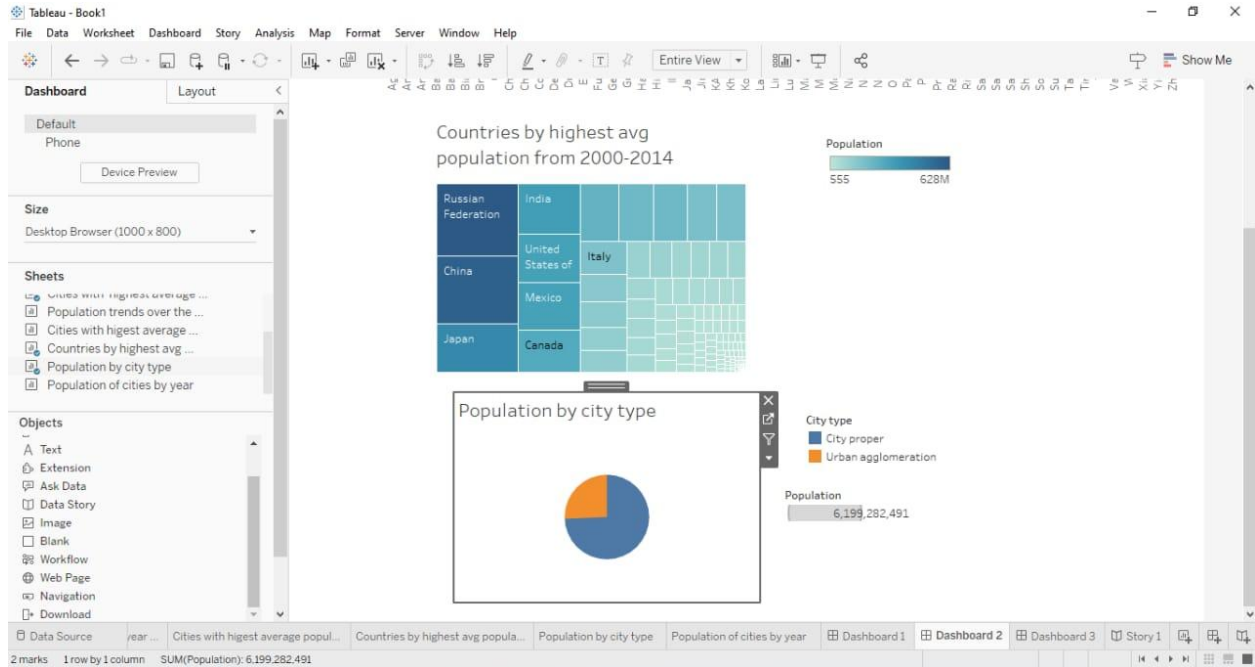


Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Dashboard Layout

Default Phone Device Preview

Size Desktop Browser (1000 x 800)

Sheets

- Population trends over the ...
- Cities with highest average ...
- Countries by highest avg ...
- Population by city type
- Population of cities by year

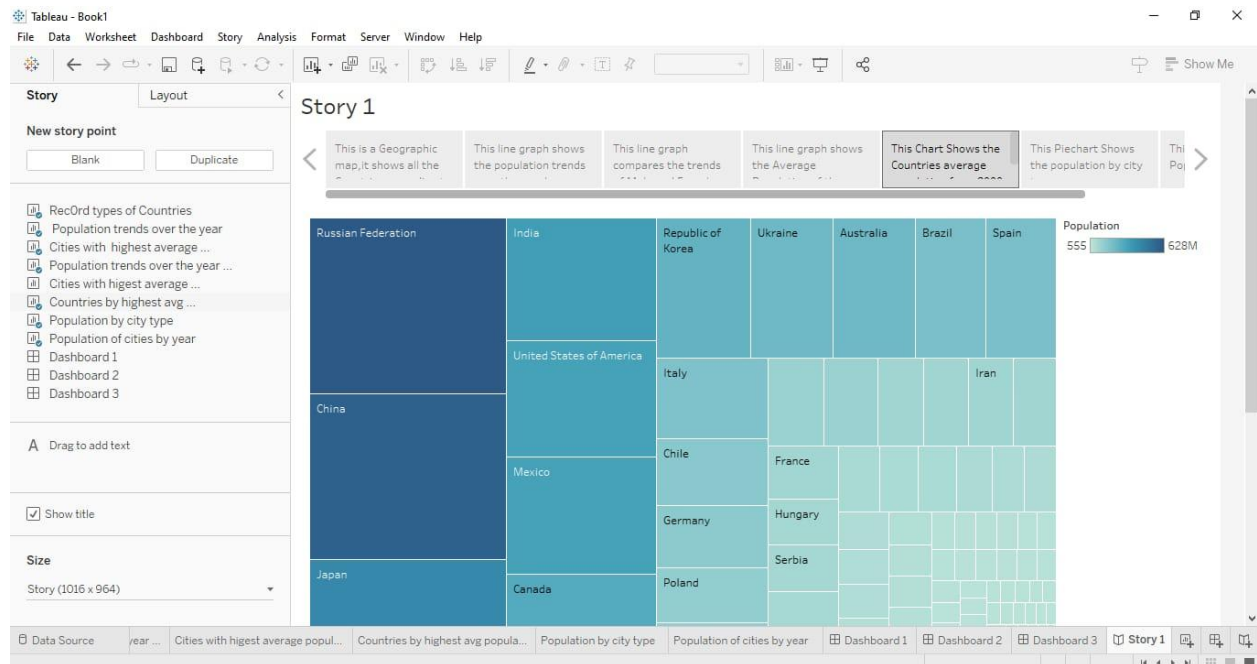
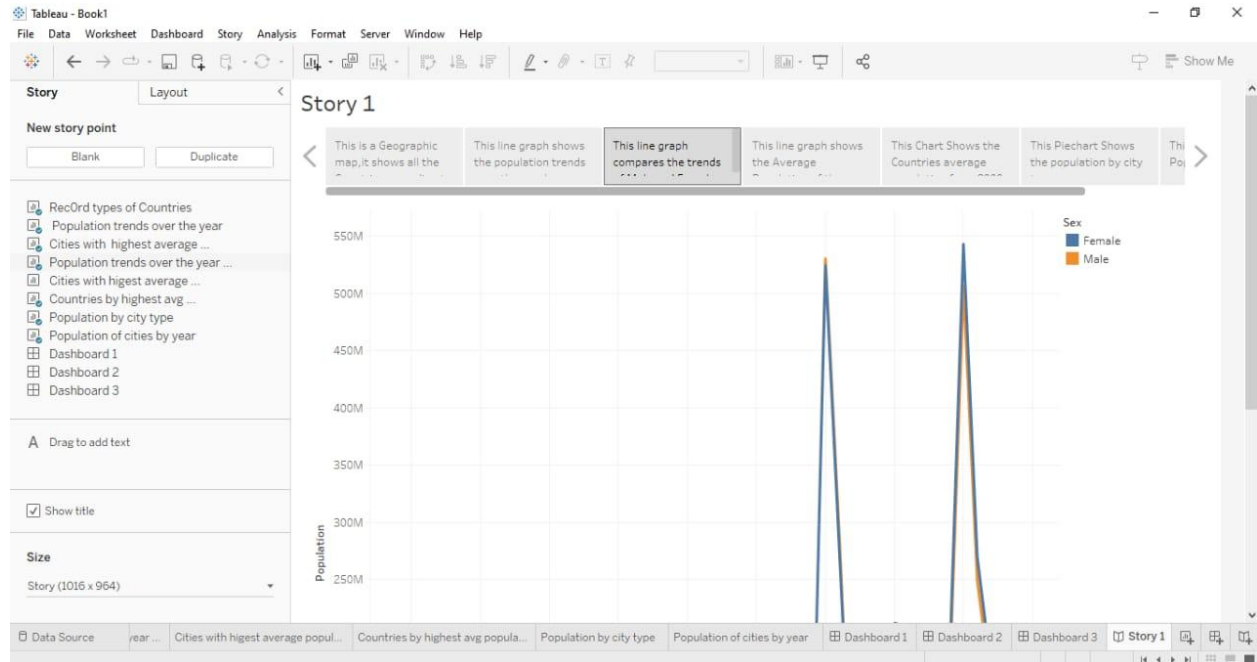
Objects

- Text
- Extension
- Ask Data
- Data Story
- Image
- Blank
- Workflow
- Web Page
- Navigation
- Download

| Country or region | City | Population |
|-------------------|------------------------|------------|
| Åland Islands | MARIEHAMN | Abc |
| Albania | Durrës | Abc |
| | TIRANA | Abc |
| American Samoa | PAGO PAGO | Abc |
| Andorra | ANDORRA LA VELLA | Abc |
| Armenia | Gyumri (Leninakan) | Abc |
| | Vanadzor (Kirovakan) | Abc |
| | YEREVAN | Abc |
| Aruba | ORANJESTAD | Abc |
| Australia | Adelaide | Abc |
| | Albury-Wodonga | Abc |
| | Brisbane | Abc |
| | Cairns | Abc |
| | CANBERRA | Abc |
| | Canberra-Oceanbayan | Abc |
| | Central Coast | Abc |
| | Darwin | Abc |
| | Geelong | Abc |
| | Gold Coast | Abc |
| | Gold Coast-Tweed Heads | Abc |
| | Greater Adelaide | Abc |
| | Greater Brisbane | Abc |
| | Greater Darwin | Abc |
| | Greater Hobart | Abc |
| | Greater Melbourne | Abc |
| | Greater Perth | Abc |
| | Greater Sydney | Abc |
| | Greater Wollongong | Abc |
| | Hobart | Abc |

2 marks 1 row by 1 column SUM(Population): 6,199,282,491

Story



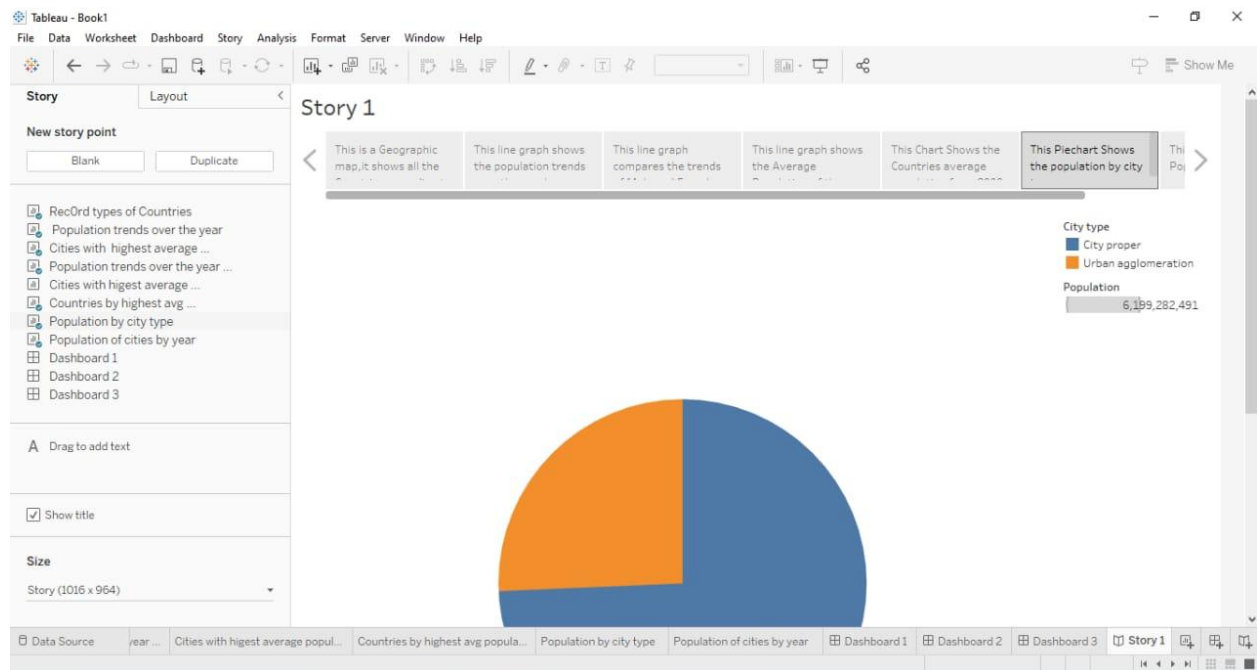


Tableau - Book1

File Data Worksheet Dashboard Story Analysis Format Server Window Help

Story 1

New story point

Blank Duplicate

RecOrd types of Countries
Population trends over the year
Cities with highest average ...
Population trends over the year ...
Cities with highest average ...
Countries by highest avg ...
Population by city type
Population of cities by year
Dashboard 1
Dashboard 2
Dashboard 3

Drag to add text

Show title

Size
Story (1016 x 964)

This line graph shows the population trends ...
This line graph compares the trends ...
This line graph shows the Average ...
This Chart Shows the Countries average ...
This Piechart Shows the population by city ...
This Table shows the Population of Cities bu ...

| Country or Area | City | |
|-----------------|------------------------|-----|
| Åland Islands | MARIEHAMN | Abc |
| Albania | Durrës | Abc |
| | TIRANA | Abc |
| American Samoa | PAGO PAGO | Abc |
| Andorra | ANDORRA LA VELLA | Abc |
| Armenia | Gyumri (Leninakan) | Abc |
| | Vanadzor (Kirovakan) | Abc |
| | YEREVAN | Abc |
| Aruba | ORANJESTAD | Abc |
| Australia | Adelaide | Abc |
| | Albury-Wodonga | Abc |
| | Brisbane | Abc |
| | Cairns | Abc |
| | CANBERRA | Abc |
| | Canberra-Queanbeyan | Abc |
| | Central Coast | Abc |
| | Darwin | Abc |
| | Geelong | Abc |
| | Gold Coast | Abc |
| | Gold Coast-Tweed Heads | Abc |
| | Greater Adelaide | Abc |
| | Greater Brisbane | Abc |

Data Source year ... Cities with highest average popul... Countries by highest avg popula... Population by city type Population of cities by year Dashboard 1 Dashboard 2 Dashboard 3 Story 1

Advantages and Disadvantages

Advantages

In this solution of any planning problem, the planner either makes an explicit forecast, or makes some implicit assumption about the population for which he is planning. "Population" includes much more than mere numbers of people. The planner must know what kind of people live in his planning area, what types of lives they lead, and would like to lead, how long they will live, and how long they will reside in the particular area; and who will replace them when they move out or die; how many children they will have whether these children will live in area and many other factors

Disadvantages

For the practising planner today there is another obstacle. The population analyst has generally been concerned with forecasting the future populations of whole countries and diverse national trends to cancel out each other in the largeness of the figures. However, projection of population in small areas; such as a country or city is a more difficult task, because an error in projection may not be balanced by another unforeseen event or influential factor and because an error in projection may result in a variation important when compared to the small local total. In addition, in-and out- true for population of large cities where the major element of population change has been migration.

Applications

The study of population, tries to find the answers to the questions of what types and numbers of persons can be expected to reside in an area at a future data. Population, analysts have found most important to the planner, are related to other social and economic changes. Is the process of making prediction about the Economy. Undertake to project the distribution and intensity of trip generating activities in the urban area.

Conclusion

It helps to trace the growth of the Global Community. The analysis of population forecasting can be applied to estimate the demand of land for residents. It can provide important information for Urban planning. Map shows the Countries and their population records and highest average population by year. Th graph compares the trends of Male and Female. Chart varies the countries which the population

Future scope

The planner in forecasting future population for his area may seek the aid of a demographer especially trained in the technical study of population. The planner must work closely with the demographer to constantly relate planning considerations to statistical manipulations. The planner, with the knowledge of the area and study of its economic potentialities and his proposals for future densities has insights into the developmental pattern of a community, which the demographer lacks.

Appendix

Dashboard link: <http://public.tableau.com/views/dasl>

Story link : <http://public.tableau.com/views/boo>