



WHO are we empathizing with?

Who is the person we want to understand?
What is the situation they are in?
What is their role in the situation?



What do they HEAR?

What are they hearing others say?
What are they hearing from friends?
What are they hearing from colleagues?
What are they hearing second-hand?

Researcher's perception of the global community is shaped by what they hear from the global community, which is a mix of direct and indirect communication.

In growth population countries, there is a need to understand such indirect communication.

Society say Climate change is having a significant impact on the global community, with researchers say it affects human health, food systems, and economic stability.

Researchers not only say about social inequality they also induce income inequality.

GOAL

What do they THINK and FEEL?

PAINS

What are their fears, frustrations, and anxieties?



The agriculture revolution, which began around 10,000 BCE, allowed for increased food production. The industrial revolution, which began in the late 18th century, brought about advances in manufacturing and transportation, leading to increased economic growth and urbanization.

Historical events, including wars, pandemics, and economic crises, have led to a decline in population growth and an increase in income inequality. The scientific revolution of the 17th century, including the development of the scientific method, led to a significant increase in population growth in many countries.

What other thoughts and feelings might influence their behavior?

Many people are concerned about the impact of population growth on the environment, resources, and quality of life. People who live in areas with high population growth may be more likely to support policies that restrict growth and to understand the factors that contribute to population growth.

Some people may be more open to new ideas and methods for reducing population growth. People who are more open to new ideas may be more likely to support policies that encourage growth and to understand the factors that contribute to population growth.



GAINS

What are their wants, needs, hopes, and dreams?

By understanding current population trends and projections, governments and organizations can plan for future needs in areas such as healthcare, education, and infrastructure. By understanding population trends, policymakers can develop strategies to address these challenges and work towards a more sustainable future. Understanding population trends can help identify patterns of disease and illness, leading to improved public health policies and practices.

Population growth can lead to increased economic growth, as a larger population can lead to increased demand for goods and services, and a larger labor force. By understanding these changes, researchers can gain insights into how societies evolve over time and how different factors influence social dynamics.

Researchers are interested in understanding the factors that contribute to population growth, such as healthcare, education, and infrastructure.

What do they need to DO?

What do they need to do differently?
What job(s) do they want or need to get done?
What decision(s) do they need to make?
How will we know they were successful?



Researchers and policymakers need to promote equity and sustainability within work and development policies and interventions that promote sustainable and equitable growth.

Researchers closely monitor population size and growth rates to understand the overall trajectory of global population growth.

Researchers and policymakers monitor the effectiveness of these policies and interventions and make adjustments as needed.



What do they SEE?

What do they see in the marketplace?
What do they see in their immediate environment?
What do they see others saying and doing?
What are they watching and reading?



What do they SAY?

What have we heard them say?
What can we imagine them saying?

We need to pay closer attention to demographic trends in developing countries, where population growth is highest.

Technology and innovation can play a key role in promoting sustainable population growth.



What do they DO?

What do they do today?
What behavior have we observed?
What can we imagine them doing?

Tracing the growth of the global community also requires a focus on equity, ensuring that all individuals

Tracing the growth of the global

Tracing the growth of the global community requires a collaborative approach that involves working with partners from around the world,



Brainstorm & idea prioritization

Use the template of your choice
The most used process for your idea
can be used. The more you use, the
easier it gets. The more you use, the
easier it gets. The more you use, the
easier it gets.

- 1. The idea is good.
- 2. The idea is bad.
- 3. The idea is good.

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1

Define your problem or goal
The most used process for your idea
can be used. The more you use, the
easier it gets. The more you use, the
easier it gets. The more you use, the
easier it gets.

2. The idea is good.

3. The idea is bad.

4. The idea is good.

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2

Define your problem or goal
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Define your problem or goal
The most used process for your idea
can be used. The more you use, the
easier it gets. The more you use, the
easier it gets. The more you use, the
easier it gets.

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Use scenarios to
model how
different policy
changes may affect
population size
and structure.

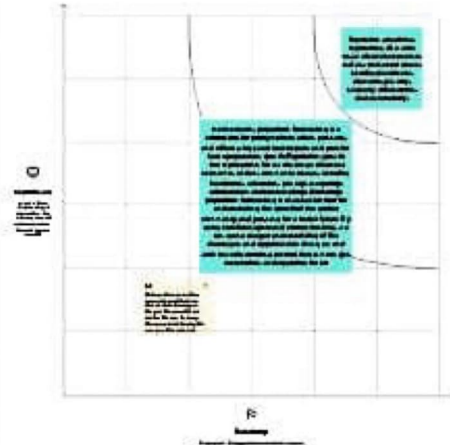
It is possible to gain a
deeper understanding
of the challenges and
opportunities facing
the global community
in the coming years.

Investigate the
potential impact of
population growth on
social systems,
including issues such
as education, poverty,
and inequality

5

Define your problem or goal
The most used process for your idea
can be used. The more you use, the
easier it gets. The more you use, the
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6

Define your problem or goal
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Connections

Add

UN population data

Microsoft Excel

Sheets

☐ Use Data Interpreter

Data Interpreter might be able to clean your Microsoft Excel workbook.

UN population data

New Union

New Table Extension

UN population data (UN population data)

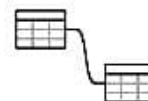
Connection

☒ Live☐ Extract

Filters

0 | Add

UN population data



Need more data?

Drag tables here to relate them. [Learn more](#)

UN population data

11 fields 28364 rows

100

rows



Name

UN population data

Fields

Type	Field Name	Physical Table	Remote ...
	Country or Area	UN population data	Country or...
	..	UN population data	..



UN population data

Country or Area



UN population data

Year



UN population data

Area



UN population data

Sex



UN population data

City

Åland Islands

2013

Total

Male

MARIEHAMN

Åland Islands

2013

Total

Female

MARIEHAMN

Åland Islands

2012

Total

Male

MARIEHAMN

Åland Islands

2012

Total

Female

MARIEHAMN

Åland Islands

2011

Total

Male

MARIEHAMN

Go to Worksheet



Data Source

Sheet 1



Search

ENG
IN07:48 PM
20-04-2023

Data Analytics

UN population data (UN ...)

Search

Tables

Area
City
City type
Country or Area
Record Type
Reliability
Sex
Source Year
Value Footnotes
Year
Measure Names
Population
Latitude (generated)
Longitude (generated)
UN population data (Count)
Measure Values

Pages

Filters

Marks

Map

Color

Size

Label

Detail

Tooltip

Record Type

Country or Area

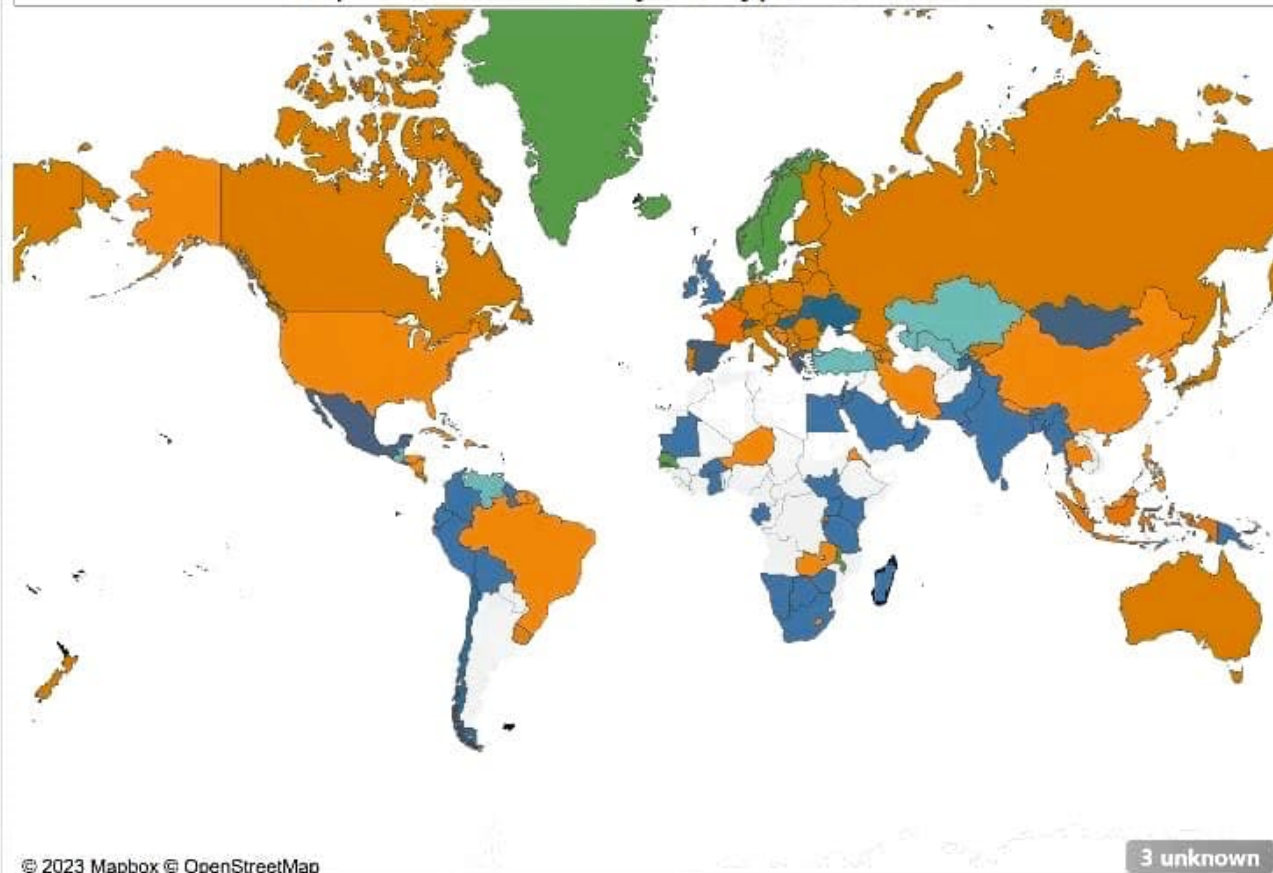
Columns

Longitude (generated)

Rows

Latitude (generated)

Population records by the type of countries



Record Type

Census - de facto - co..
Census - de jure - co..
Census - de jure - sa..
Estimate - de facto
Estimate - de jure
Record type not defi..
Sample survey - de f..
Sample survey - de ju..

Data Source

Sheet 1

Sheet 2

Sheet 3

Sheet 4

Sheet 5

Sheet 6

Sheet 7

Dashboard 1

Dashboard 2

Dashboard 3

Story 1



230 marks 1 row by 1 column

kavin G

Data Analytics

UN population data (UN ...)

Search

Tables

- Area
- City
- City type
- Country or Area
- Record Type
- Reliability
- Sex
- Source Year
- Value Footnotes
- Year
- Measure Names
- Population
- Latitude (generated)
- Longitude (generated)
- UN population data (Count)
- Measure Values

Pages

Filters

Marks

- Line
- Color
- Size
- Label
- Detail
- Tooltip
- Path

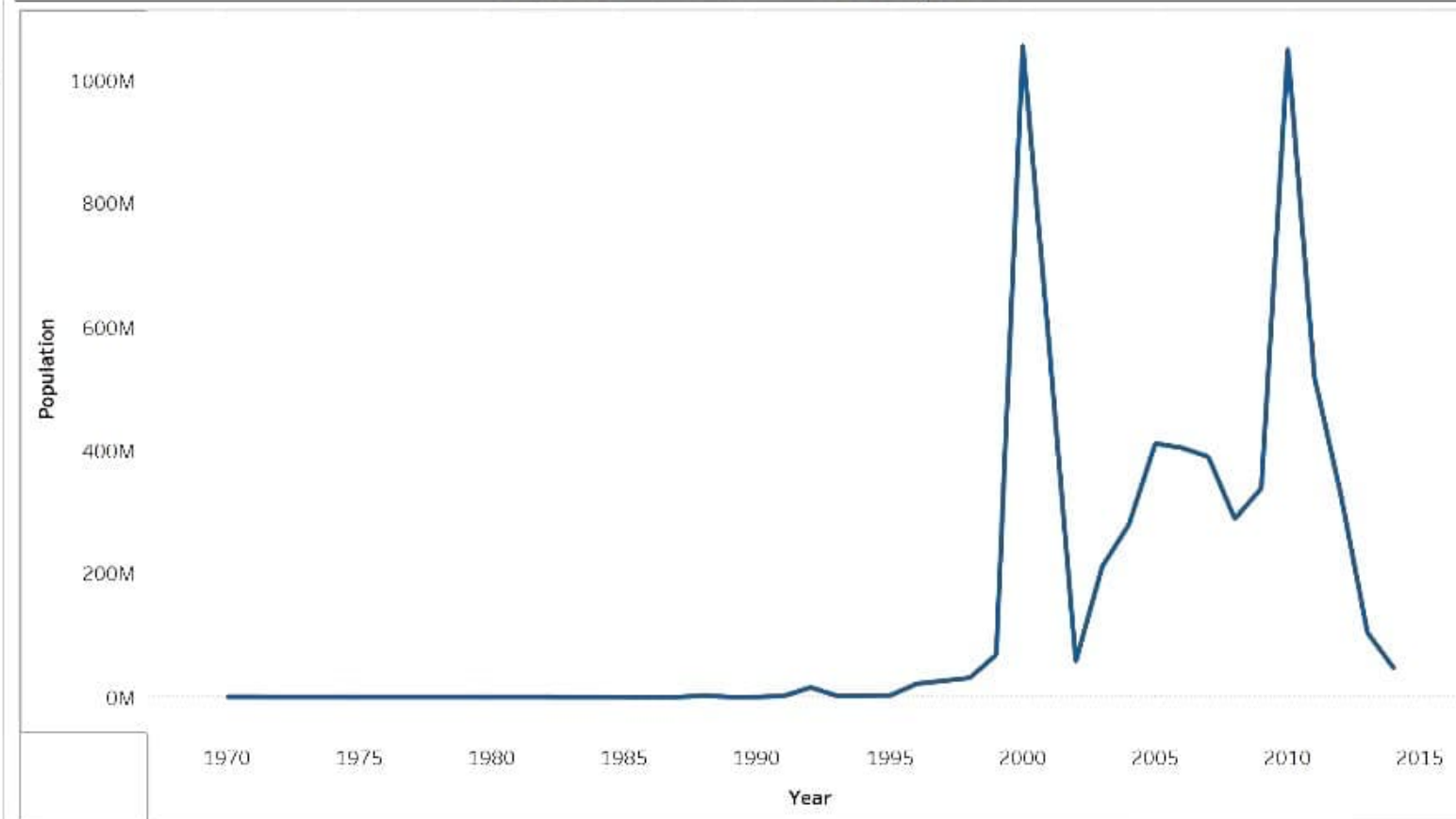
Columns

Year

Rows

SUM(Population)

Population trends over the years



Data Analytics

UN population data (UN ...

Search  

Tables

- Area
- City
- City type
- Country or Area
- Record Type
- Reliability
- Sex
- Source Year
- Value Footnotes
- Year
- Measure Names
- Population
- Latitude (generated)
- Longitude (generated)
- UN population data (Count)
- Measure Values

Pages

Filters

Marks

Line

Color Size Label

Detail Tooltip Path

Sex

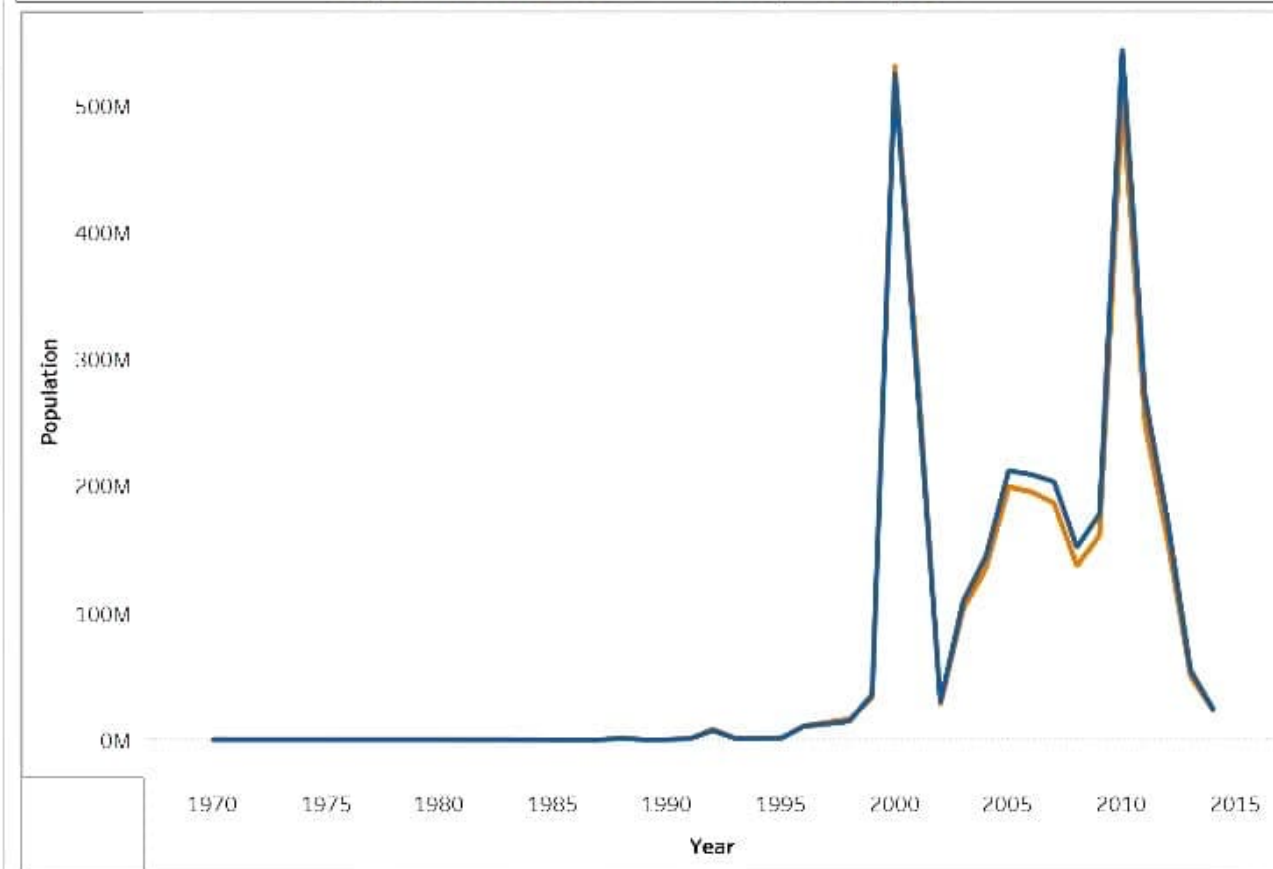
Columns

Year

Rows

SUM(Population)

Population trends over the years by sex



Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Dashboard 1 Dashboard 2 Dashboard 3 Story 1

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

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Data Analytics

UN population data (UN ...)

Search  

Tables

- Area
- City
- City type
- Country or Area
- Record Type
- Reliability
- Sex
- Source Year
- Value Footnotes
- Year
- Measure Names
- Population
- Latitude (generated)
- Longitude (generated)
- UN population data (Count)
- Measure Values

Pages

Filters

City

Marks

Bar

Color Size Label

Detail Tooltip

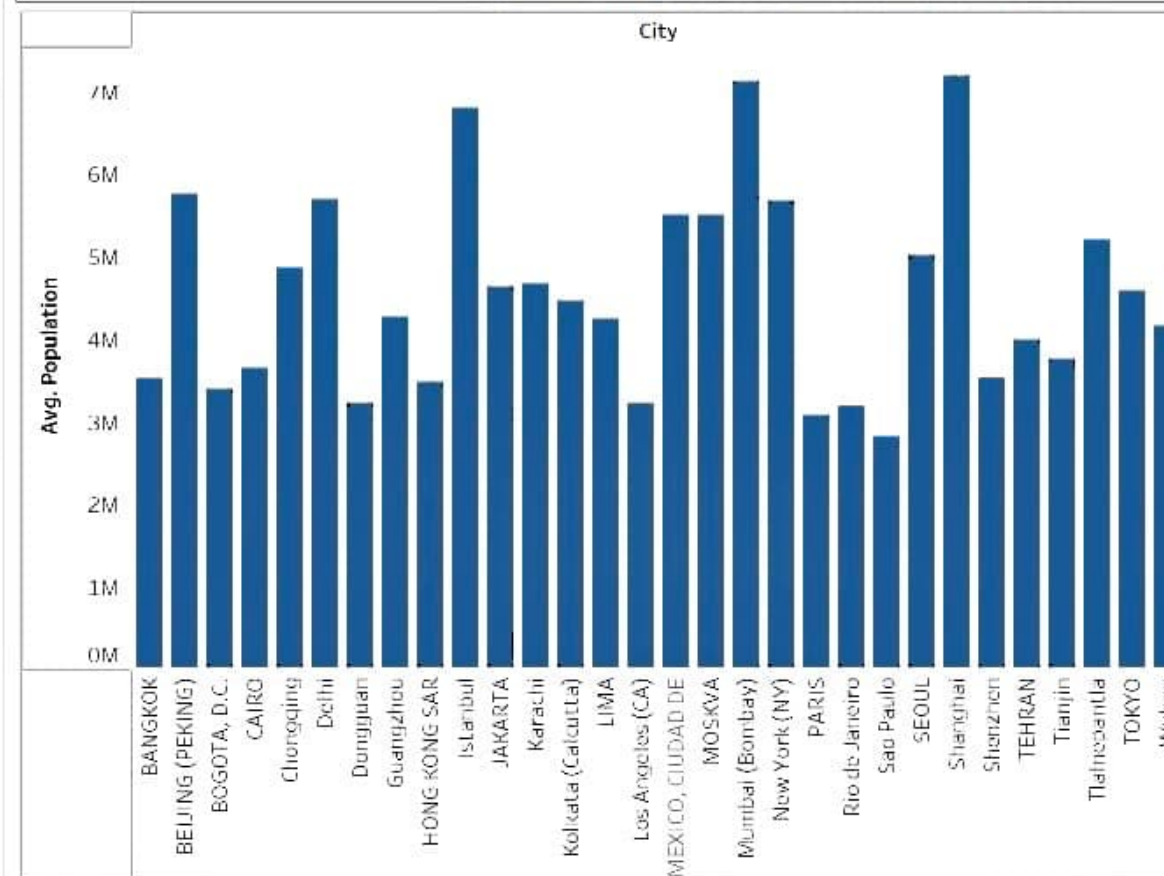
Columns

City

Rows

AVG(Population)

Cities with highest average populations



Data Source

Sheet 1

Sheet 2

Sheet 3

Sheet 4

Sheet 5

Sheet 6

Sheet 7

Dashboard 1

Dashboard 2

Dashboard 3

Story 1



30 marks 1 row by 30 columns SUM of AVG(Population): 135,856,342

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Data Analytics

UN population data (UN ...)

Search  

Tables

- Area
- City
- City type
- Country or Area
- Record Type
- Reliability
- Sex
- Source Year
- Value Footnotes
- Year
- Measure Names
- Population
- Latitude (generated)
- Longitude (generated)
- UN population data (Count)
- Measure Values

Pages

Filters

Country or Area

Marks

☐ Automatic

Color

Size

Label

Detail

Tooltip

SUM(Population)

SUM(Population)

Country or Area

Columns

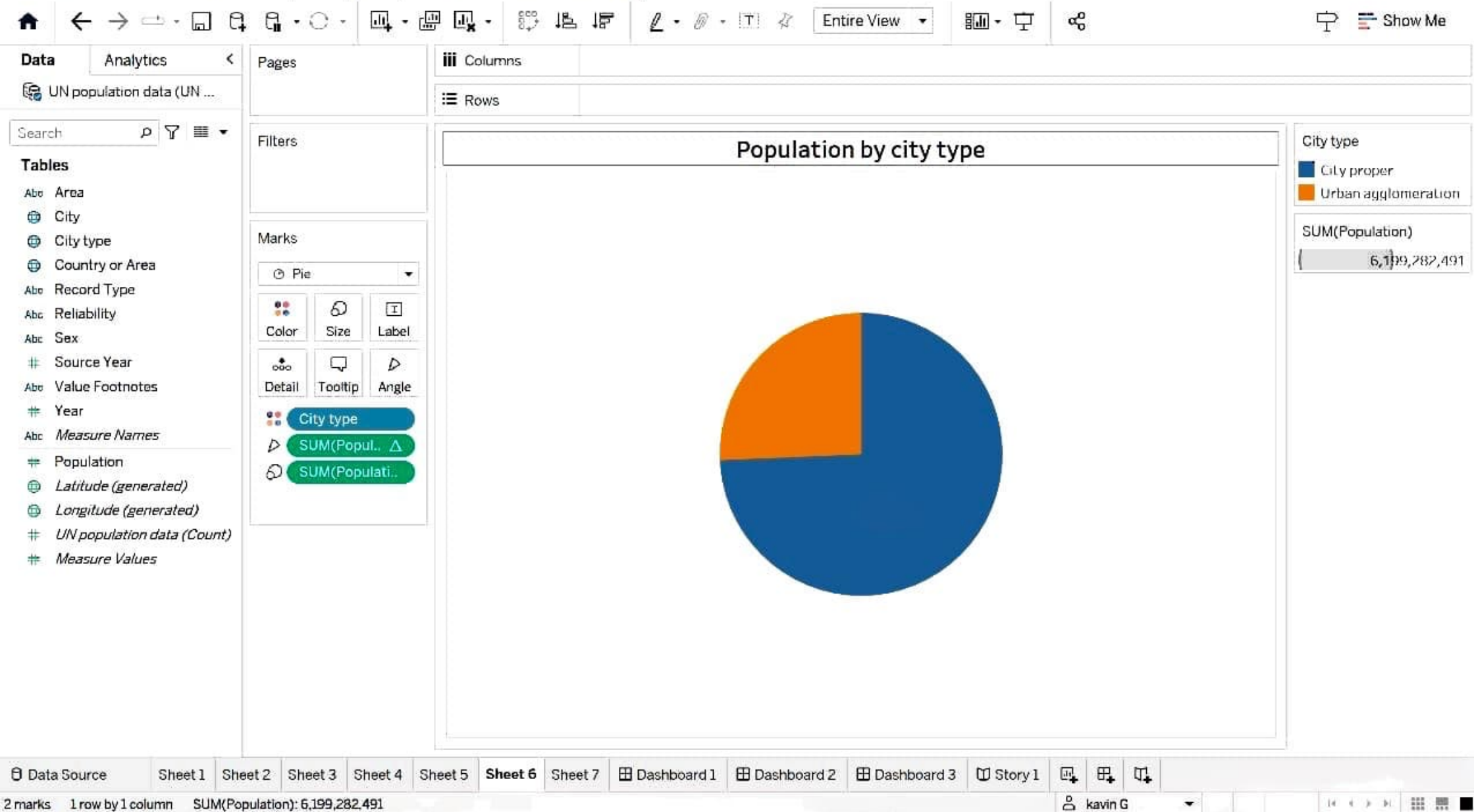
Rows

Countries with highest average population from 2000-2014



SUM(Population)

45,965,185 528M



Default
Phone
Device Preview

Size
Desktop Browser (1000 x 800)

Sheets
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6

Objects
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Navigation
Download
Add Filters
Einstein Discovery

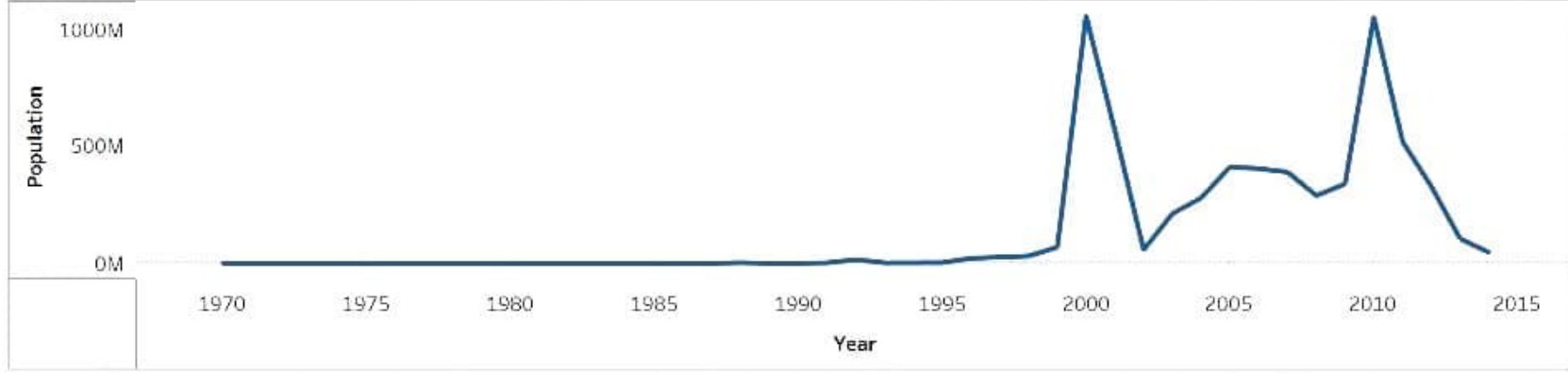
Tiled Floating

Population records by the type of countries



3 unknown

Population trends over the years





Dashboard Layout

Default

Phone

Device Preview

Size

Desktop Browser (1000 x 800)

Sheets

Sheet 1

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Sheet 3

Sheet 4

Sheet 5

Sheet 6

Objects

Ask Data

Data Story

Image

Blank

Workflow

Web Page

Navigation

Download

Add Filters

Einstein Discovery

Tiled

Floating

Data Source

Sheet 1

Sheet 2

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Sheet 4

Sheet 5

Sheet 6

Sheet 7

Dashboard 1

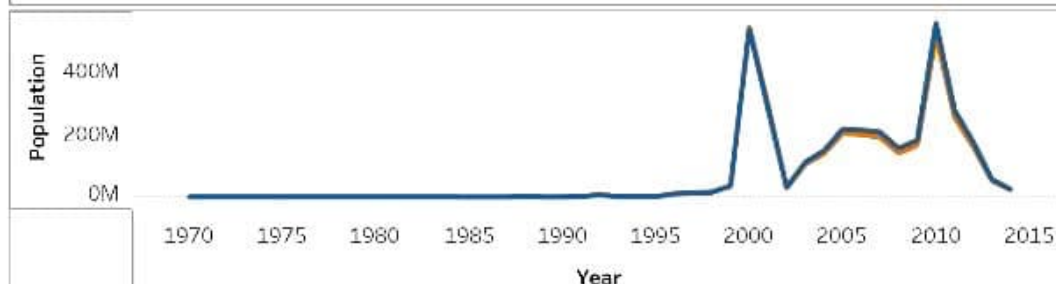
Dashboard 2

Dashboard 3

Story 1

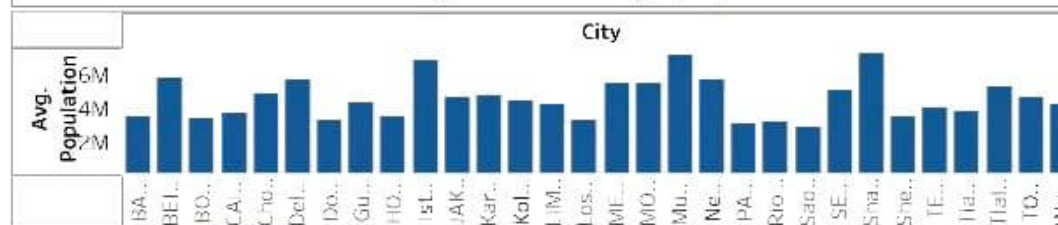
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Population trends over the years by sex



D3

Cities with highest average populations



Countries with highest average population from 2000-2014



Data Source

Sheet 1

Sheet 2

Sheet 3

Sheet 4

Sheet 5

Sheet 6

Sheet 7

Dashboard 1

Dashboard 2

Dashboard 3

Story 1

kavin G

Tableau - story 1 - Tableau license expires in 12 days

FileDataWorksheetDashboardStoryAnalysisMapFormatServerWindowHelp

Home

Back

Forward

Refresh

Print

Export

Fullscreen

Help

Bar

Line

Table

Map

Dashboard

Story

Tablet

Mobile

Print

Fullscreen

Help

Search

Filter

Sort

Table

Map

Dashboard

Story

Tablet

Mobile

Print

Fullscreen

Help

Show Me

DashboardLayout

DefaultPhoneDevice Preview


SizeDesktop Browser (1000 x 800)

SheetsSheet 1Sheet 2Sheet 3Sheet 4Sheet 5Sheet 6

ObjectsAsk DataData StoryImageBlankWorkflowWeb PageNavigationDownloadAdd FiltersEinstein Discovery

TiledFloating

Population by city type



Population of cities by year

City	Country or Area					
	Brazil	China	Egypt	India	Indonesia	Japan
6th of Octo..			154,093			
AAsailAcnd..	156,474					
Abaeteluba	163,802					
Abbotabad						
Aberdeen						
Aberdeensh..						
Abiko						
Abilene (TX)						
Abo Keber			103,175			
Abohar				124,339		
Achalpur				107,316		
Acheng		638,894				
Adilabad				238,932		
Adityapur				119,233		
Adoni				319,763		
Agartala				189,998		
Ageo						1,000,000
Agra				2,606,473		
Aguas Lind..	318,276					
Ahmedabad				8,045,098		
Abmednagar				655,164		

Data SourceSheet 1Sheet 2Sheet 3Sheet 4Sheet 5Sheet 6Sheet 7Dashboard 1Dashboard 2Dashboard 3Story 1

kavin G

12:26 PM21-04-2023

Story Layout

New story point

Blank Duplicate

- Sheet 1
- Sheet 2
- Sheet 3
- Sheet 4
- Sheet 5
- Sheet 6
- Sheet 7
- Dashboard 1
- Dashboard 2
- Dashboard 3

Drag to add text

Show title

Size
Story (1016 x 964)

Story 1

column chart shows the average
ation of the cities.

This tree map shows highest average
population of

This pie chart demonstrates where
does the most of

This table demonstrates the population
of cities

City	Country or Area									Year
	Brazil	China	Egypt	India	Indonesia	Japan	Pakistan	Republic of ..	United King..	
6th of Octo..			154,093							
AÃsailÃend..	156,474									
Abaeteluba	163,802									
Abbotabad							106,101			
Aberdeen									212,125	
Aberdeensh..									226,871	
Abiko						654,213				
Abilene (TX)										
Abo Keber			103,175							
Abohar				124,339						
Achalpur				107,316						
Acheng		638,894								
Adilabad				238,932						
Adityapur				119,233						
Adoni				319,763						
Agartala				189,998						
Ageo						1,093,308				
Agra				2,606,473						
Aguas Lind..	318,276									
Ahmedabad				8,045,098						
Ahmednagar				655,164						



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Naan mudhalvan by [kavin G](#)



D2

Population records by the type of countries



© 2023 Mapbox © OpenStreetMap

Population trends over the years





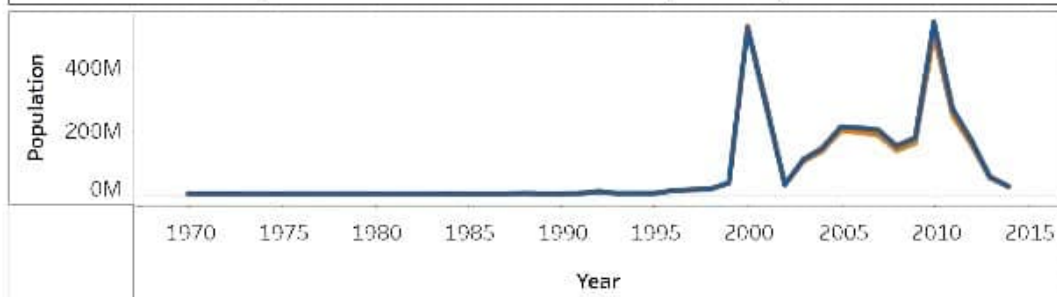
New to Tableau Public? [Read our step-by-step guide](#) to getting started on your own data visualization journey.

Dashboard 2 by [kavin G](#)

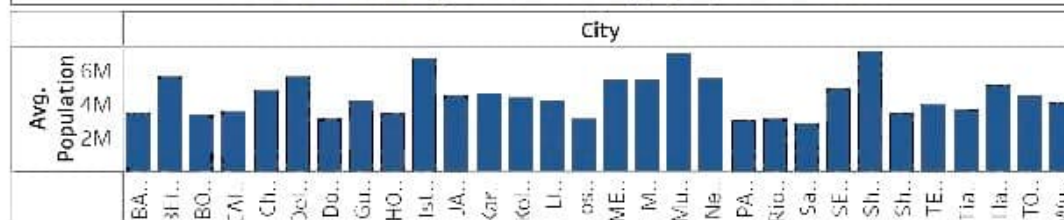


Population trends over the yearsby sex

D3



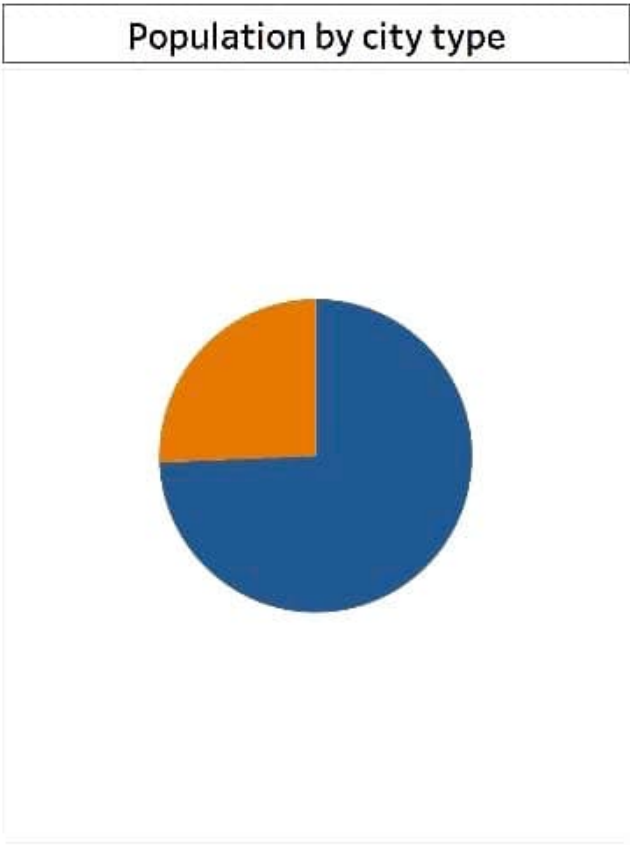
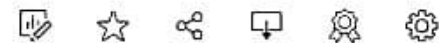
Cities with highest average populations



Countries with highest average population from 200-2014



Dashboard 3 by kavin G



Population of cities by year

City	Country or Area				
	Brazil	China	Egypt	India	Indonesia
6th of October			154,093		
Aashil	156,474				
Abaeteluba	163,802				
Abbotabad					
Aberdeen					
Aberdeenshire					
Abiko					€
Abilene (TX)					
Abo Keber			103,175		
Abohar				124,339	
Achalpur				107,316	
Acheng		638,894			
Adilabad				238,932	
Adityapur				119,233	
Adoni				319,763	
Agartala				189,998	
Ageo					1,0
Agra				2,606,473	
Aguas Lindas	318,276				
Ahmedabad				8,045,098	
Ahmednagar				655,164	

story 1 by kavin G



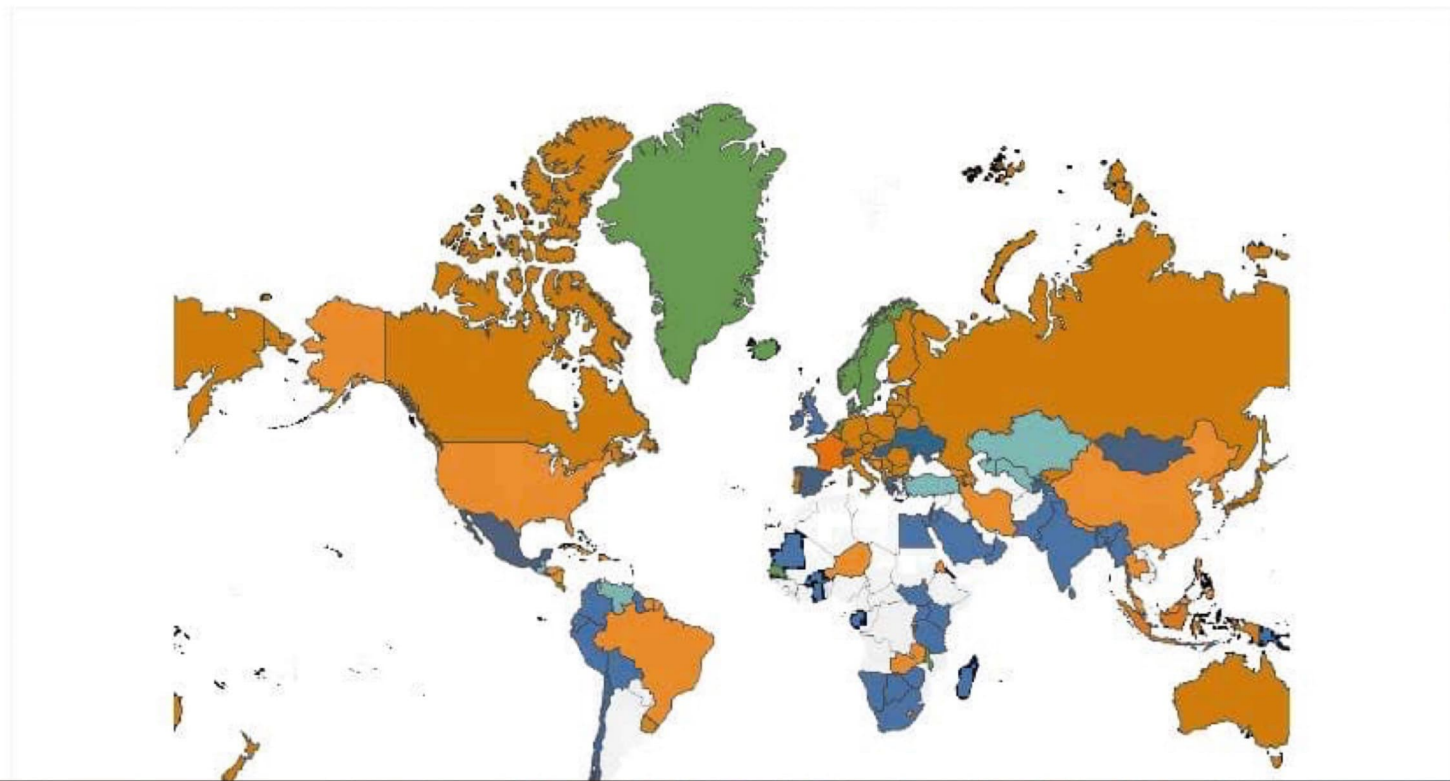
Story 1

This is a geographic map, it shows all the countries according to their population record types.

This line graph shows the population trends over the years.

This line graph compares the trend of male and female.

This column chart shows the average population of the cities.



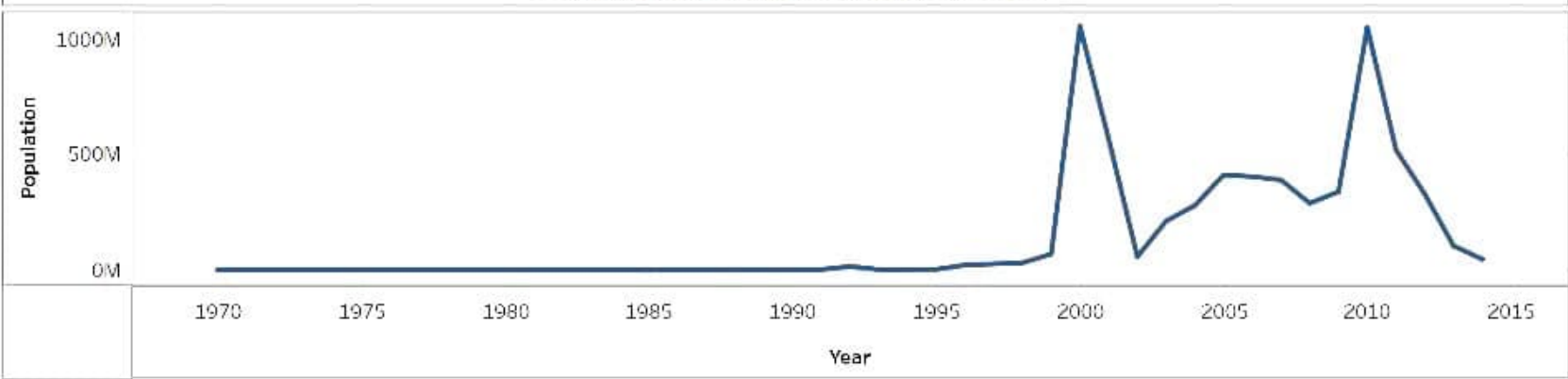
- Record Type
- Census - de facto - co...
 - Census - de jure - co...
 - Census - de jure - sa...
 - Estimate - de facto
 - Estimate - de jure
 - Record type not defi...
 - Sample survey - de f...
 - Sample survey - de ju...

D2

Population records by the type of countries



Population trends over the years



Populati
record

Record Type

- Census de facto co...
- Census de jure co...
- Census de jure sa...
- Estimate de facto
- Estimate de jure

Story 1

- This is a geographic map, it shows all the countries according to their population record types.
- This line graph shows the population trends over the years
- This line graph compares the trend of male and female
- This column chart shows the aver. population of the cities.



