TRACING THE GROWTH OF THE GLOBAL COMMUNITY: A POPULATION FOAECASTING ANALYSIS

Group Leader:

- M.Sabarinathan

Team Id:

*NM2023TMID25694

Group Members:

- S.Gokulkrishna
- G.Ramakrishnan

Team Size:

* 4

- M.Moorthi

Introduction :

The world population is more than three times larger than it was the mid twentieth century. The human population reached 8 billion now .In 1950 the population is less then 2.5 billion people. The population growth after 1950 ‘s is very High it is reached 7.5 billion in 2015.It will reach the 10 billion people in the year of 2050. We predict the population growth of future in this project.

Activity:1

- The first task we completed is **Empathymap** and **brainstorm** and **idea prioritization.** It contains many ideas and what we do for the solution and what does we feel anything we written in that maps. **Empathymap** shows the what we says , think and what you feel about this and what does we do for it. Idea prioritization and brainstorm map shows what the solution for this problem and ideas for the solution of this problem.

Empathy map:

Says

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

population increasing is one of the way to world destruction

it will affect the animal foodchain and animal livelihood

Thinks

What are their wants, needs, hopes, and dreams? What other thoughts might influence their behavior?

It will show the tremendous developmet of medical field

I think there are pros and cons

pros is our medical and science field is development

corn is it creat the food ,water and living place scarcity

we need to creat awarness among people about the caused by population growth

we should create awarness the people to adopt and raise orphaned children instead of resorting to medical centers for child birth so that the orphaned children who are contolled by population growth will also get adopts

one child per family should be forced to prvent population growth

Does

What behavior have we observed?
What can we imagine them doing?

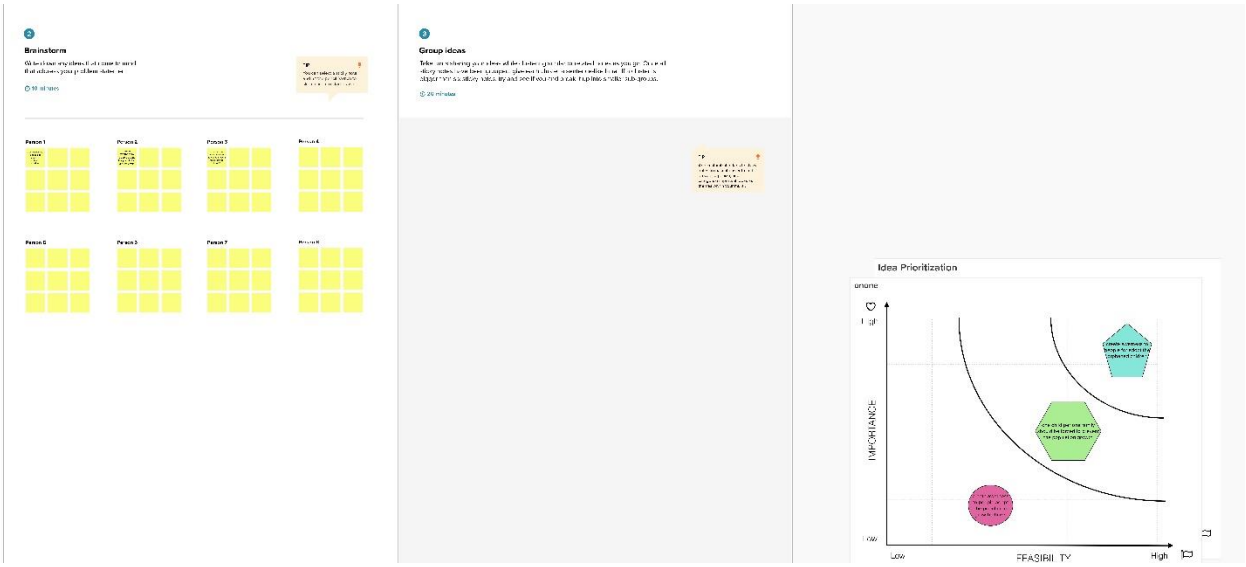
I feel fertility centres is the reason for this population growth and it has scam too

This scam main reason is money and baby desire

Feels

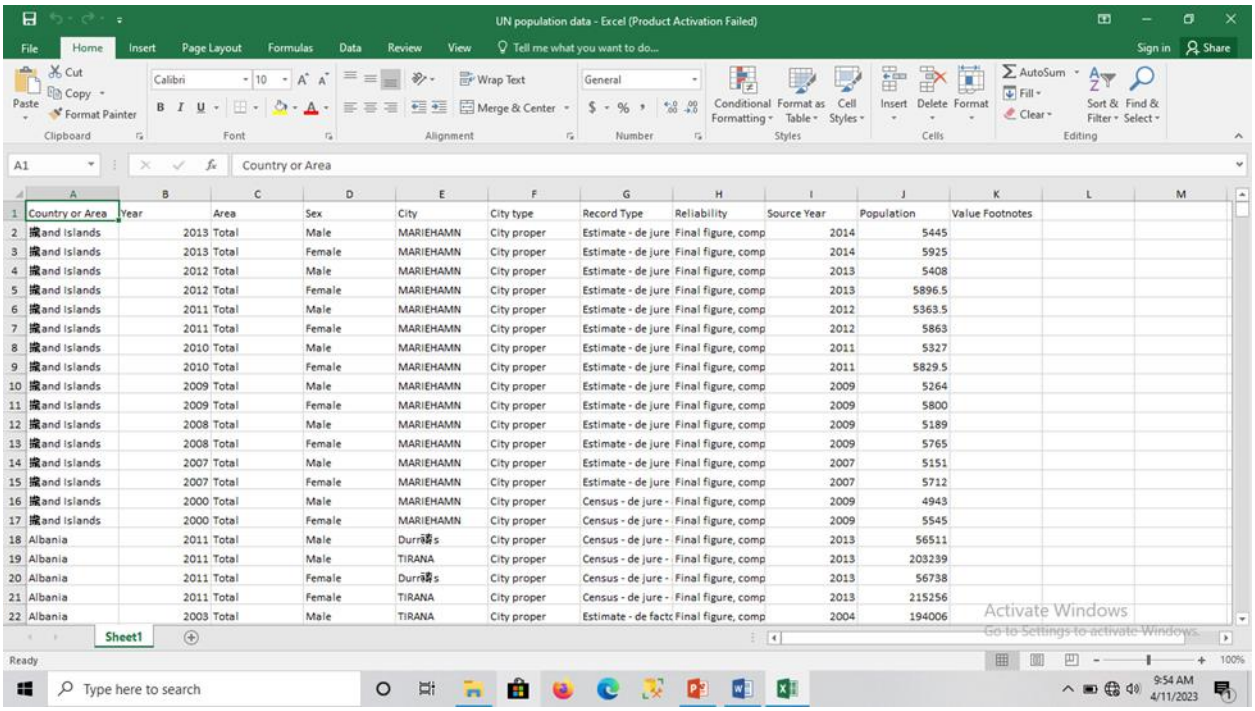
What are their fears, frustrations, and anxieties? What other feelings might influence their behavior?

Brainstorm and idea prioritization :



Activity:2

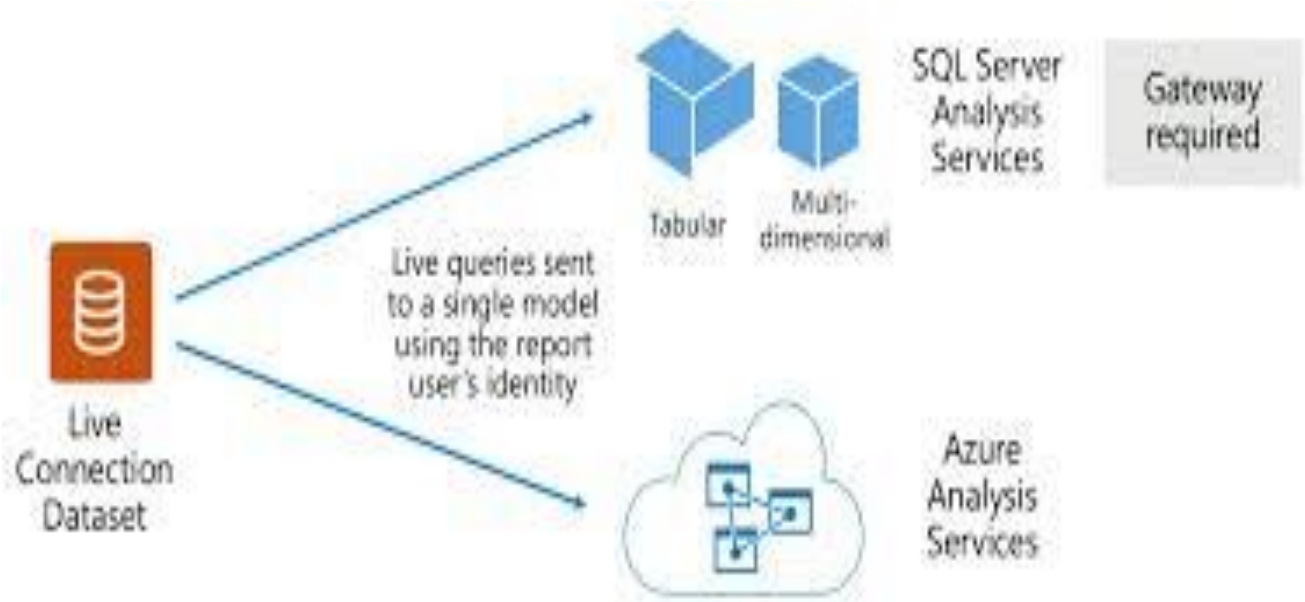
- The activity 2 is **data collection** from the data base.



Country or Area	Year	Area	Sex	City	City type	Record Type	Reliability	Source Year	Population	Value Footnotes
[illegible]and Islands	2013	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2014	5445	
[illegible]and Islands	2013	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2014	5925	
[illegible]and Islands	2012	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2013	5408	
[illegible]and Islands	2012	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2013	5896.5	
[illegible]and Islands	2011	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2012	5363.5	
[illegible]and Islands	2011	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2012	5863	
[illegible]and Islands	2010	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2011	5327	
[illegible]and Islands	2010	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2011	5829.5	
[illegible]and Islands	2009	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2009	5264	
[illegible]and Islands	2009	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2009	5800	
[illegible]and Islands	2008	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2009	5189	
[illegible]and Islands	2008	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2009	5765	
[illegible]and Islands	2007	Total	Male	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2007	5151	
[illegible]and Islands	2007	Total	Female	MARIEHAMN	City proper	Estimate - de jure	Final figure, comp	2007	5712	
[illegible]and Islands	2000	Total	Male	MARIEHAMN	City proper	Census - de jure -	Final figure, comp	2009	4943	
[illegible]and Islands	2000	Total	Female	MARIEHAMN	City proper	Census - de jure -	Final figure, comp	2009	5545	
Albania	2011	Total	Male	Durr[illegible]s	City proper	Census - de jure -	Final figure, comp	2013	56511	
Albania	2011	Total	Male	TIRANA	City proper	Census - de jure -	Final figure, comp	2013	203239	
Albania	2011	Total	Female	Durr[illegible]s	City proper	Census - de jure -	Final figure, comp	2013	56738	
Albania	2011	Total	Female	TIRANA	City proper	Census - de jure -	Final figure, comp	2013	215256	
Albania	2003	Total	Male	TIRANA	City proper	Estimate - de facto	Final figure, comp	2004	194006	

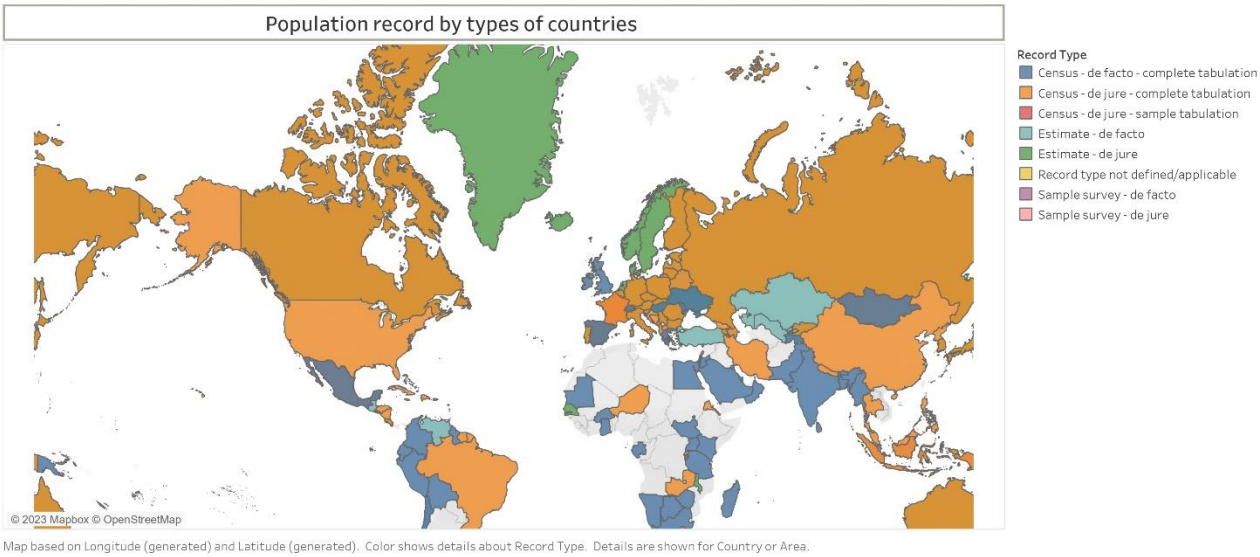
Activity:3

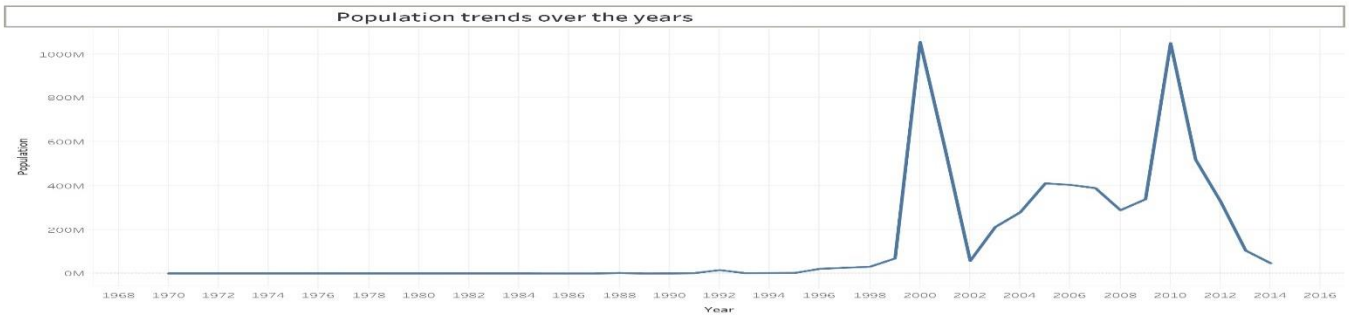
- **Prepare the data for a visualization. Clean the data and patterns in the data set. It is useful to create easly the visualization graphs in the tableau.**



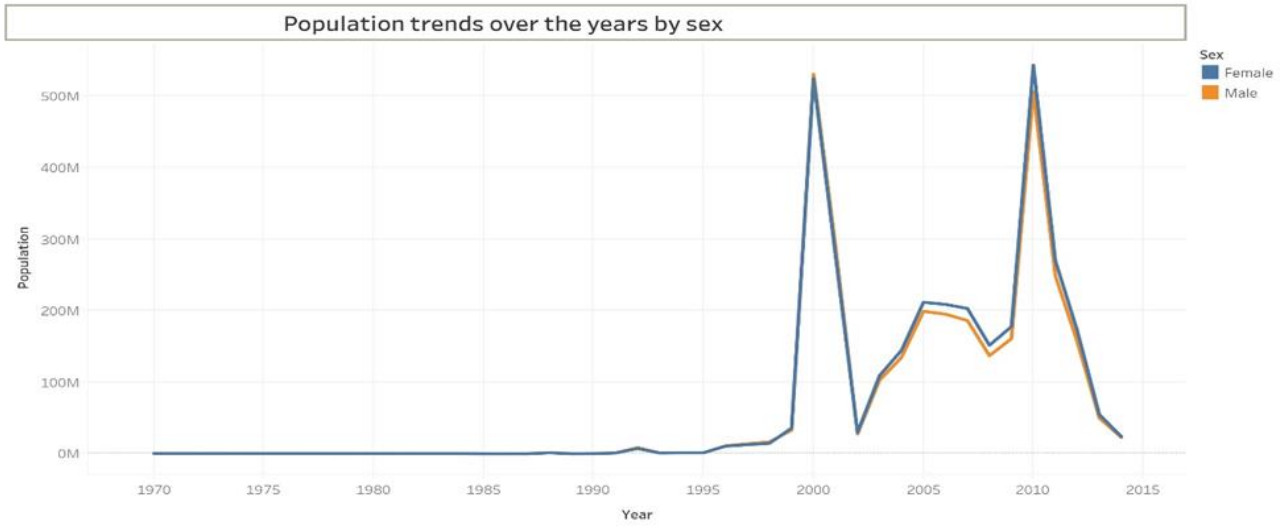
Activity:4

- Data visualization is the 4th task of this project.
- No of visualization is created by us to understand the data easily and find the solution for the problem.



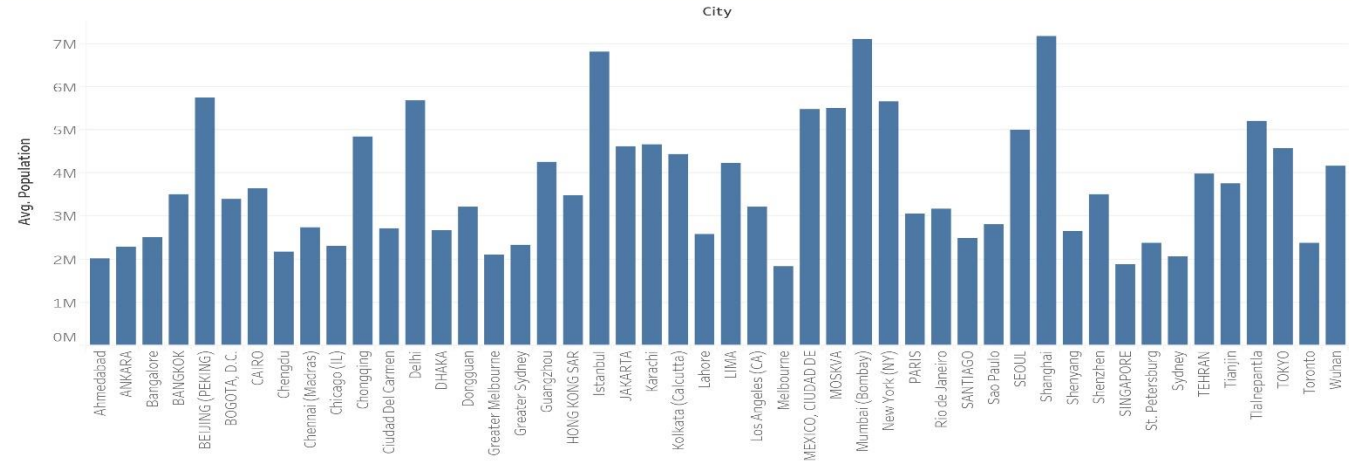


The trend of sum of Population for Year.



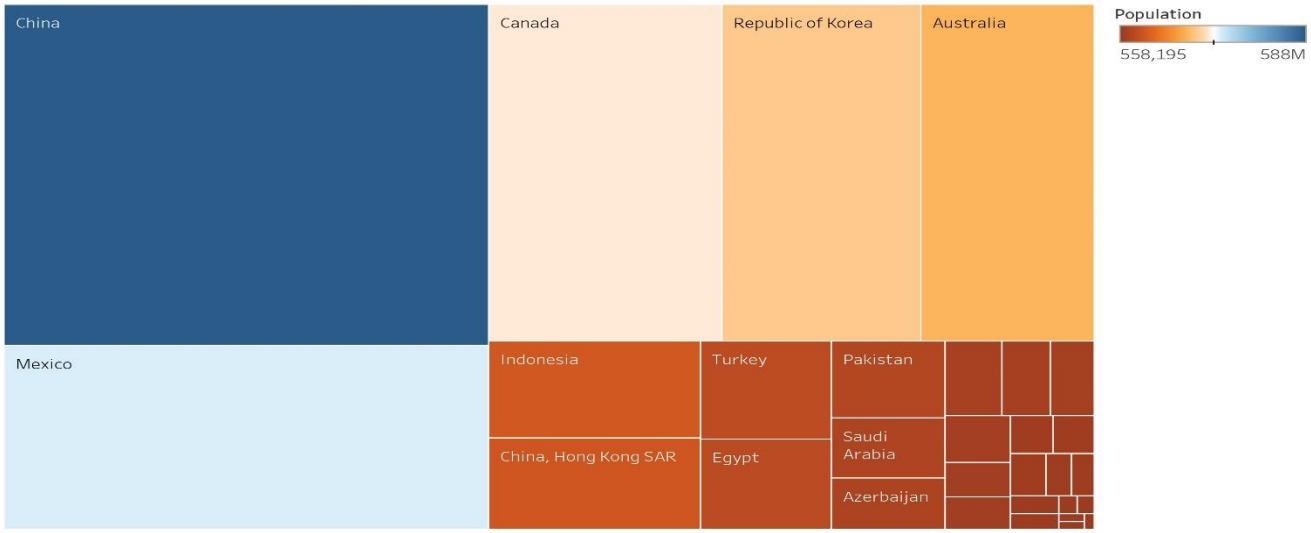
The trend of sum of Population for Year. Color shows details about Sex.

Cities with highest avg populations



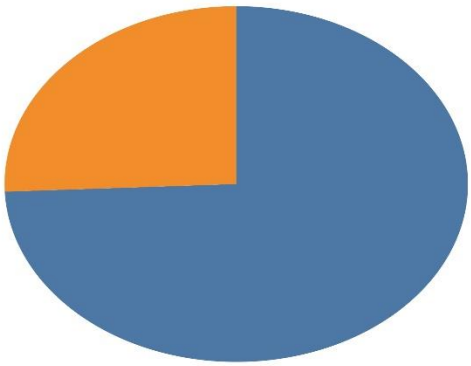
Average of Population for each City. The view is filtered on City, which keeps 50 of 4,213 members.

Countries with highest avg population from 2000-2014



Country or Area. Color shows sum of Population. Size shows sum of Population. The marks are labeled by Country or Area. The view is filtered on Country or Area, which has multiple members selected.

Population by city type



City type (color) and sum of Population (size).

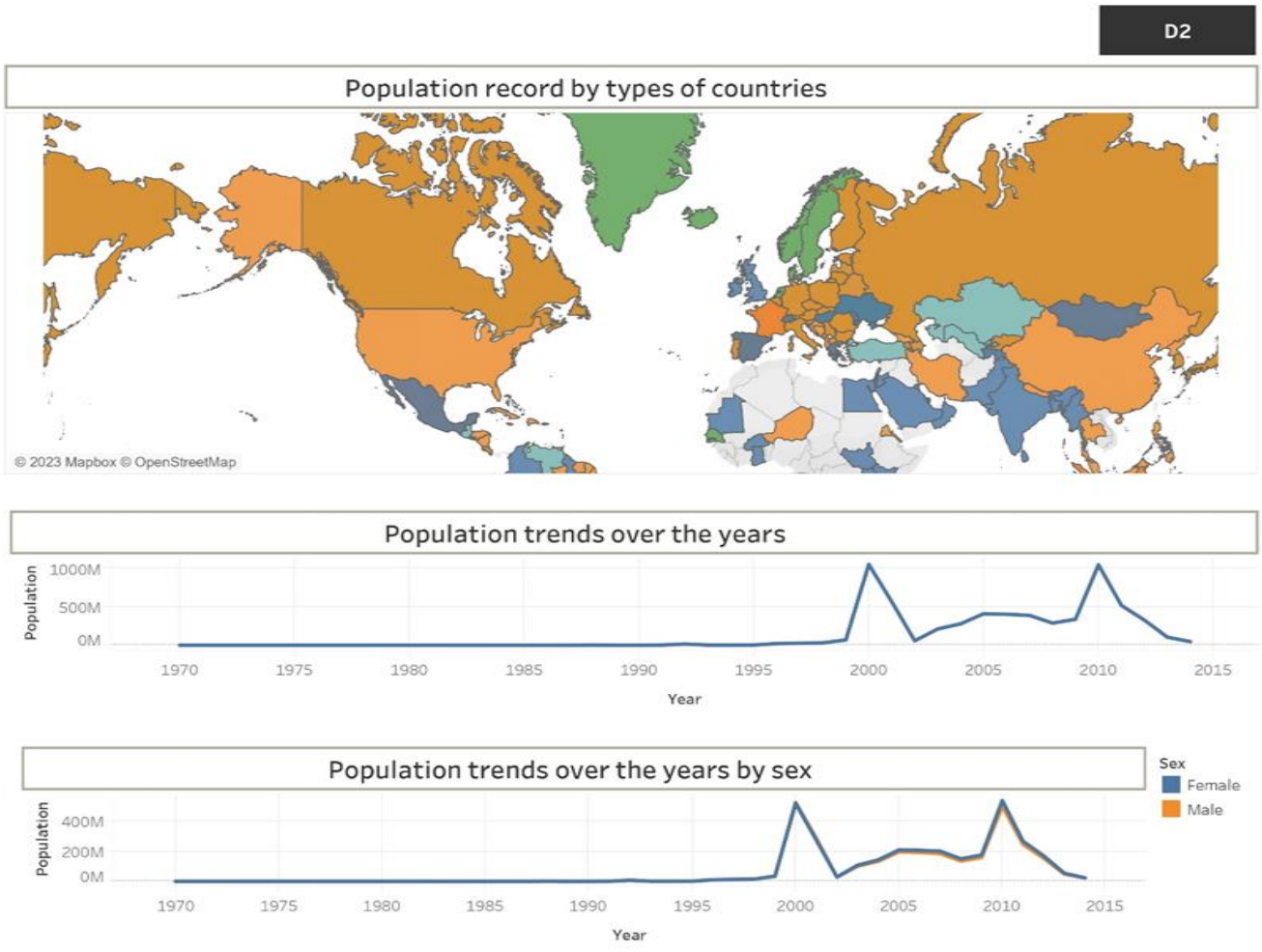
Population of citied by year

	Country or Area							
City	Australia	Brazil	China	India	Singapore	South Africa	United King..	United Stat..
Abaeteluba		163,802						
Aberdeen							212,125	
Aberdeenshire							226,871	
Abilene (TX)								232,993
Abohar				124,339				
Achalpur				107,316				
Acheng			638,894					
Adelaide	13,645,206							
Adilabad				238,932				
Adityapur				119,233				
Adoni				319,763				
Agartala				189,998				
Agra				2,606,473				
Aguas Lindas de Goi嶲s		318,276						
Ahmedabad				8,045,098				
Ahmednagar				655,164				
Aizawl				228,280				
Ajmer				976,095				
Akeshu			561,822					
Akola				400,520				
Akron (OH)								986,399
Alagoinhas		246,366						
Alandur				146,287				
Alappuzha				459,704				
Albuquerque (NM)								1,592,650
Albury-Wodonga	586,088							
Aldershot							243,344	
Aletai			178,510					

Sum of Population broken down by Country or Area vs. City. The data is filtered on Year, which ranges from 1978 to 2014. The view is filtered on Country or Area, which keeps 8 members.

Activity:5

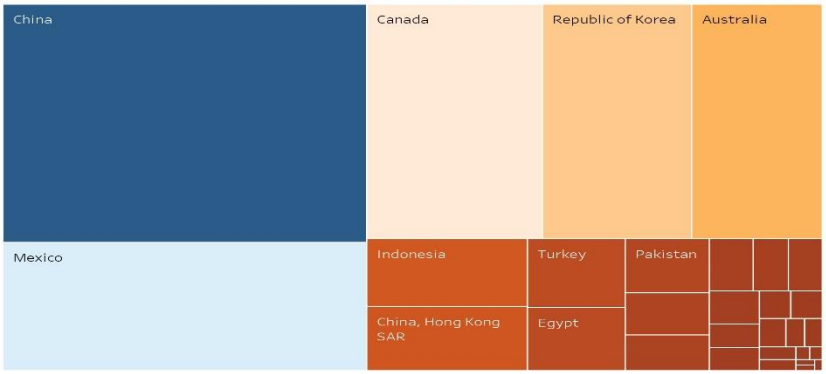
- Create the **Dashboard** and put into the visualization graphs. The dashboard is a group of visualization graphs. Dashboard is help to understand quickly the visualizations.



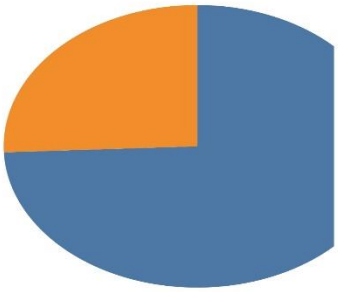
D3

Cities with highest avg populations

Countries with highest avg population from 2000-2014



Population by city type



D1

Population of citied by year

	Country or Area							
City	Australia	Brazil	China	India	Singapore	South Africa	United King..	United Stat..
Abaeteluba		163,802						
Aberdeen							212,125	
Aberdeenshire							226,871	
Abilene (TX)								232,993
Abohar				124,339				
Achalpur				107,316				
Acheng			638,894					
Adelaide	13,645,206							
Adilabad				238,932				
Adityapur				119,233				
Adoni				319,763				
Agartala				189,998				
Agra				2,606,473				
Aguas Lindas de Goi獺s		318,276						
Ahmedabad				8,045,098				
Ahmednagar				655,164				
Aizawl				228,280				
Ajmer				976,095				
Akeshu			561,822					
Akola				400,520				
Akron (OH)								986,399
Alagoinhas		246,366						
Alandur				146,287				
Alappuzha				459,704				
Albuquerque (NM)								1,592,650
Albury-Wodonga	586,088							

Activity:6

- Story writing is the 6 task of our project. The story portion is very important . The each graphical representation have separate meanings. We are written a story for these graphs it is easy to understand it for audience.

Story 1

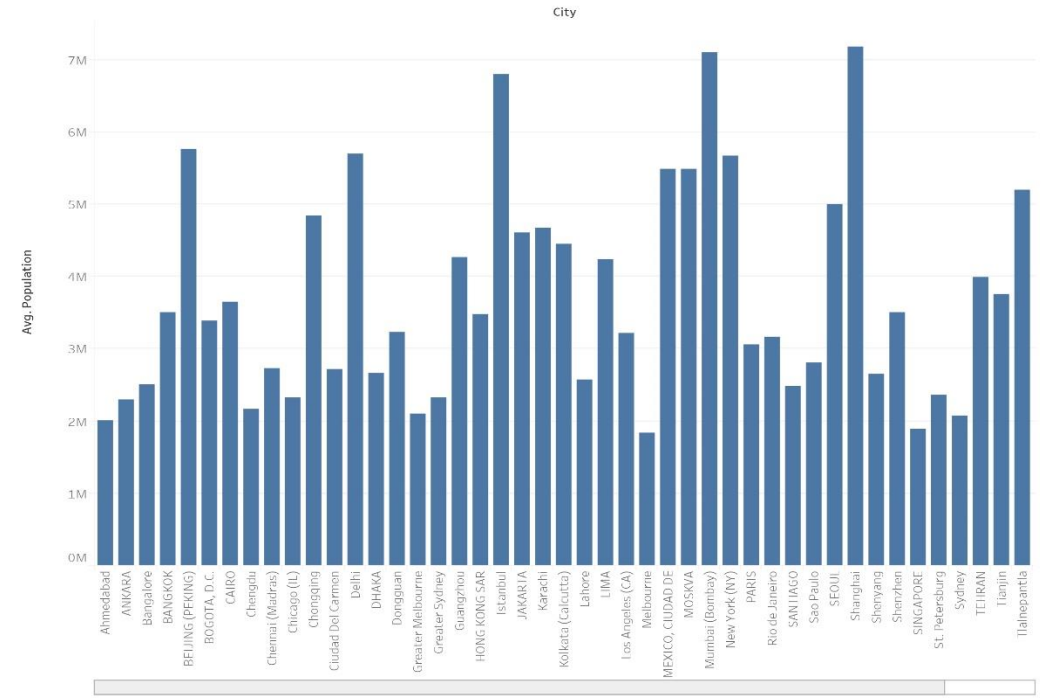
This bar chat shows the highest average population of cities. The most population city is shanghai with a population of 7 million followed by mumbai with a population of 7 million.

This tree map shows the highest average population of countires of year 2000 to 2014.China has highest population of 588M.

This pie chart shows the population by city type. It shows the urban avg populatin and city avg population .City has a 4.6 bilion population and urban has a 1.5 billion population.

This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.

This geog raphic ma p shows p o..



Story 1

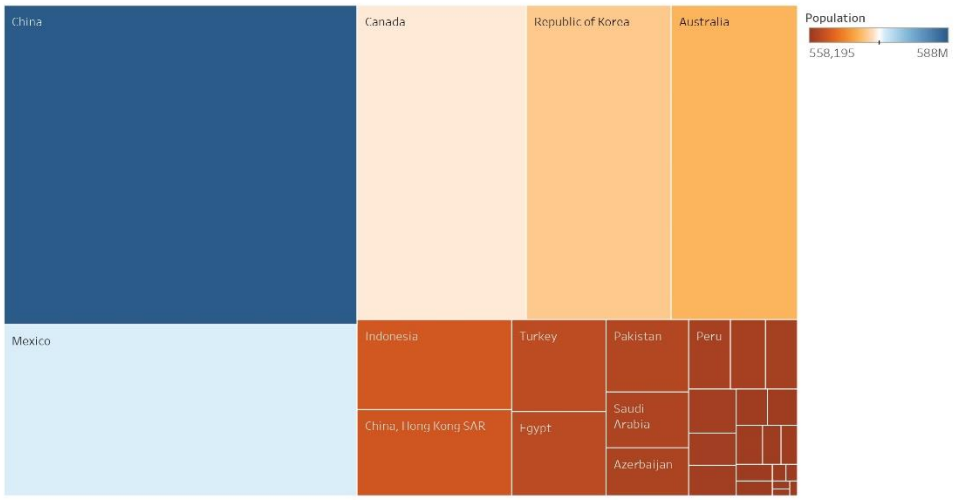
This bar chat shows the highest average population of cities. The most population city is shanghai with a population of 7 million followed by mumbai with a population of 7 million.

This tree map shows the highest average population of countires of year 2000 to 2014.China has highest population of 588M.

This pie chart shows the population by city type. It shows the urban avg populatin and city avg population .City has a 4.6 bilion population and urban has a 1.5 billion population.

This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.

This geog raphic ma p shows p o...



Story 1

This tree map shows the highest average population of countires of year 2000 to 2014.China has highest population of 588M.

This pie chart shows the population by city type. It shows the urban avg populatin and city avg population .City has a 4.6 billion population and urban has a 1.5 billion population.

This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.

This geographic map shows population record by type of countires.

This line chat shows the population trends over the years.It shows the ups and downs of population year by year suddenly high in 2000 and 2010 neraly 1billion populatio..

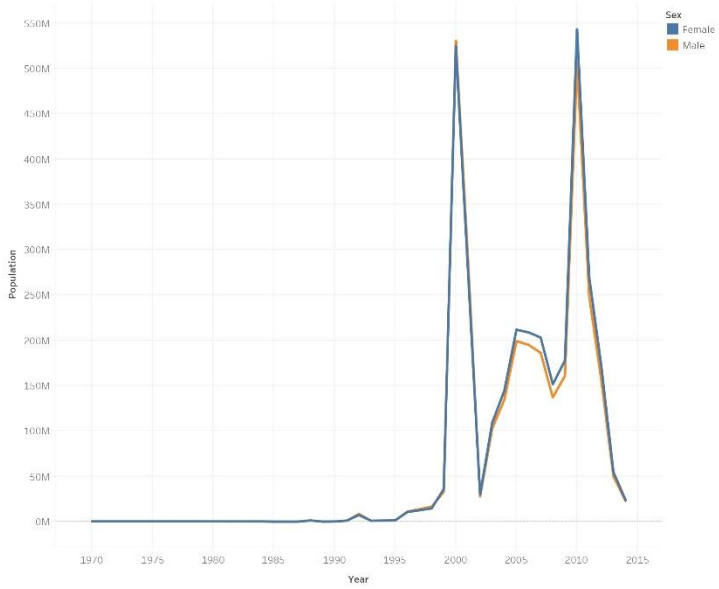
Country or Area

City	Australia	Brazil	China	India	Singapore	South Africa	United King..	United Stat..
Abaeteluba		163,802						
Aberdeen							212,125	
Aberdeenshire							226,871	
Abilene (TX)								232,993
Abohar				124,339				
Achalpur				107,316				
Acheng			638,894					
Adelaide	13,645,206							
Adilabad				238,932				
Adityapur				119,233				
Adoni				319,763				
Agartala				189,998				
Agra				2,606,473				
Aguas Lindas de Goi第s		318,276						
Ahmedabad				8,045,098				
Ahmednagar				655,164				
Aizawl				228,280				
Ajmer				976,095				
Akeshu			561,822					
Akola				400,520				
Akron (OH)								986,399
Alagoinhas		246,366						
Alandur				146,287				
Alappuzha				459,704				
Albuquerque (NM)								1,592,650
Albury-Wodonga	586,088							
Aldershot							243,344	
Aletai			178,510					
Alexandria (VA)								268,249
Aligarh				669,087				
Alipurduar				114,035				
Allahabad				2,017,622				
Allentown (PA)								801,072
Almirante Tamandar瞳		197,784						
Alvorada		231,248						

Year
1978 to 2014

Story 1

This pie chart shows the populatio.	This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.	This geographic map shows population record by type of countries.	This line chat shows the population trends over the years.It shows the ups and downs of population year by year suddenly high in 2000 and 2010 noraly 1billion population growth in these years.	This line chart shows the population trends over the year by sex . Before 2000 male population is higher then female.After 2000 the female populaion is higher then male,this is the popultion trend.



Story 1

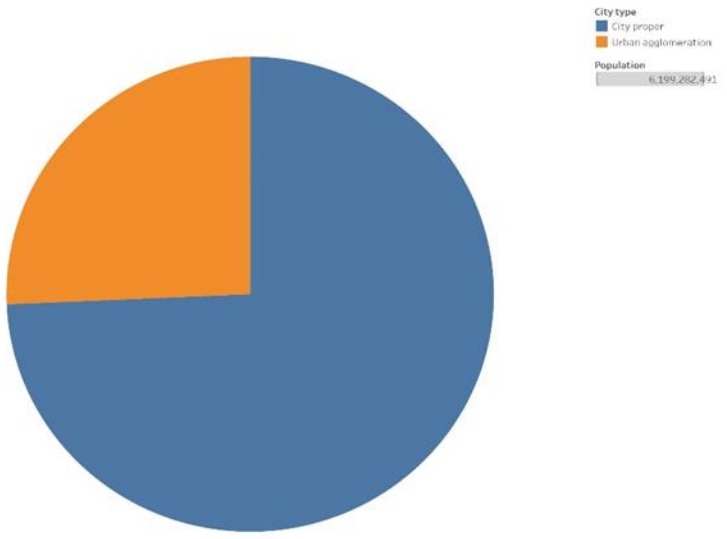
This bar chat shows the highest average population of cities. The most population city is shanghai with a population of 7 million followed by mumbai ..

This tree map shows the highest average population of countires of year 2000 to 2014. China has highest population of 588M.

This pie chart shows the population by city type. It shows the urban avg populatin and city avg population .City has a 4.6 billion population and urban has a 1.5 billion population.

This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.

This geographic map shows population record by type of countries.



Story 1

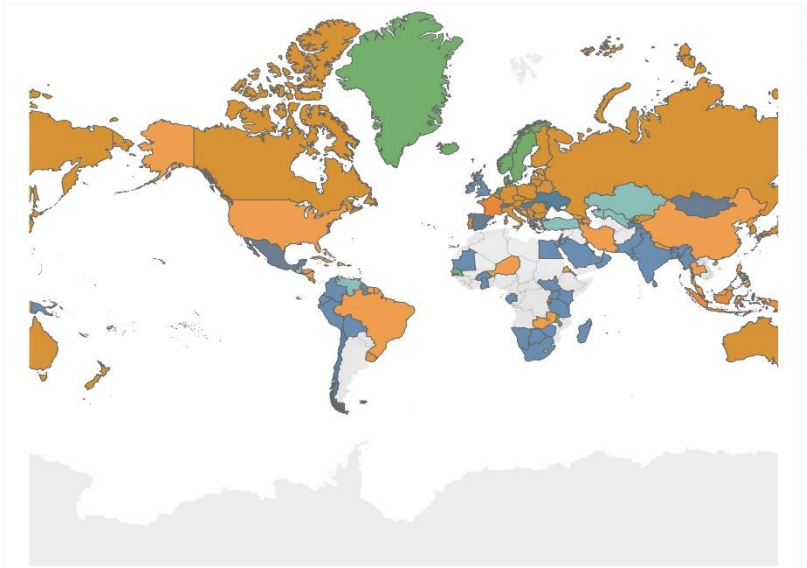
This pie chart shows the population by city type. It shows the urban avg populatin and city avg population .City has a 4.6 bilion population and urban ..

This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.

This geographic map shows population record by type of countires.

This line chat shows the population trends over the years.It shows the ups and downs of population year by year suddenly high in 2000 and 2010 neraly 1billion population growth in these years.

This line chart shows the population trends over the year by sex . Before 2000 male population is higher then female.After 2000 the female populaion is higher then ..



Story 1

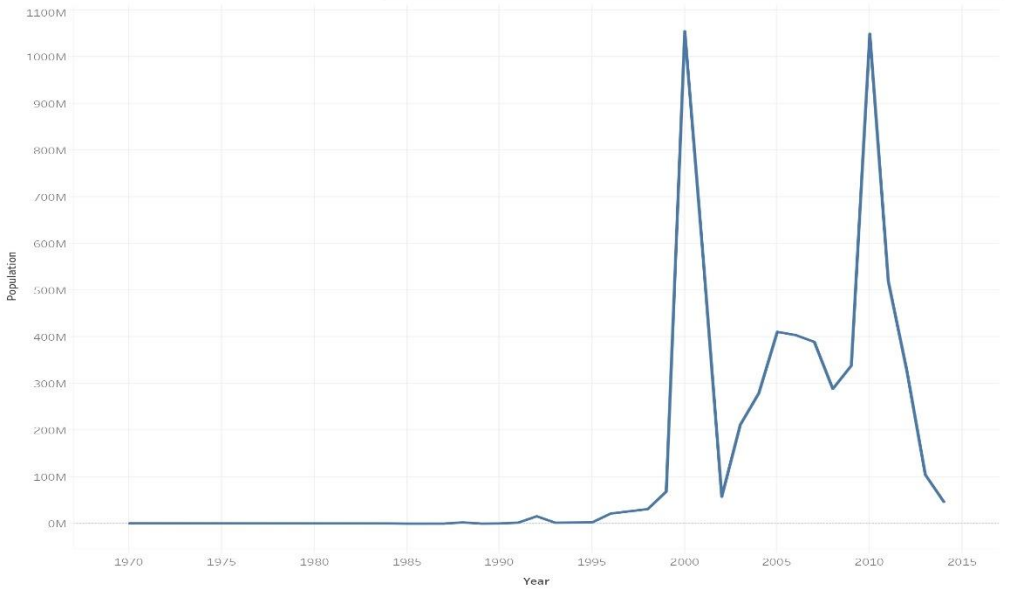
This pie chart shows the populatio. .

This text table shows the countries population citied by year.China and India has so many cities and having a 50% of population in the world.

This geographic map shows population record by type of countires.

This line chat shows the population trends over the years.It shows the ups and downs of population year by year suddenly high in 2000 and 2010 neraly 1billion population growth in these years.

This line chart shows the population trends over the year by sex . Before 2000 male population is higher then female.After 2000 the female populaion is higher then male,this is the popultion trend.



Advantages:

- One of this advantage is **people support**.
- The birth percentage is increase because of the **Medical field Evaluation.**
- So many kinds of scientific inventions are made by humans because of these population increases.

Disadvantages:

- Main disadvantage is this population growth is **scarcity of water, food, living place, livelihood products etc….**
- War between the countries for livelihood scarcity.
- Global warming , joblessness , poverty etc……

Conclusion:

- The solution for this problem is reduce the child birth.
- Country governments are forcing the family to have one child is enough.
- Create awareness to the people about the caused by the population growth.

Thank you