



Tracing the Growth of the Global community : A population forecasting analysis

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Tracing the Growth of the Community : A Population Forcecasting Analysis

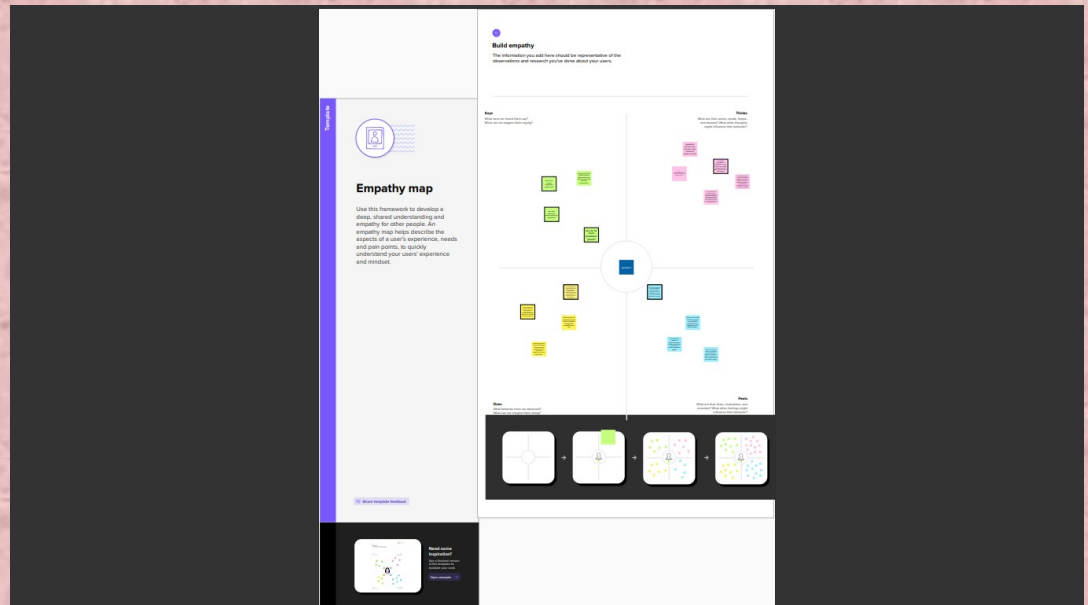
- Indroductoin
- Problem definition and design thinking
- Advantages and disadvantages
- Applications
- Future scope
- Step in tableau,dashboard,story
- conclusion

Problem definition

- An **empathy map** is a collaborative visualization used to articulate what we know about a particular type of user.
- It externalizes knowledge about users in order to
- create a shared understanding of user needs
- Aid in decision making

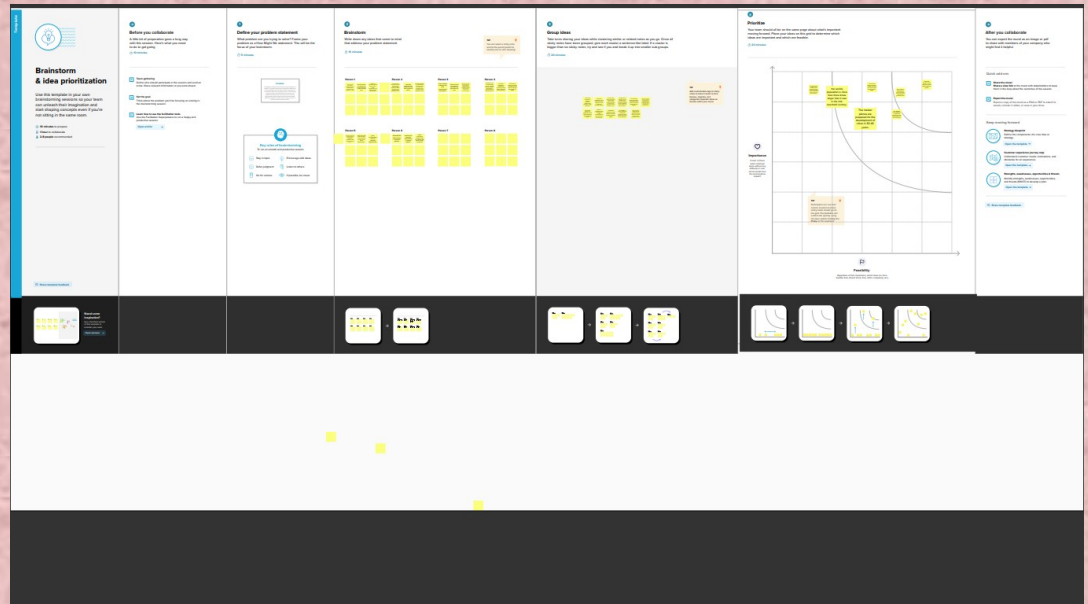
Empathy map

Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset

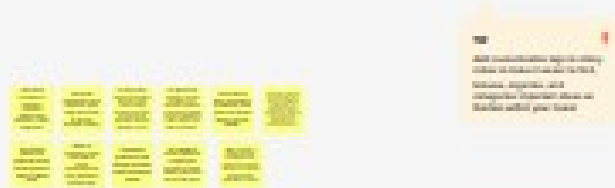
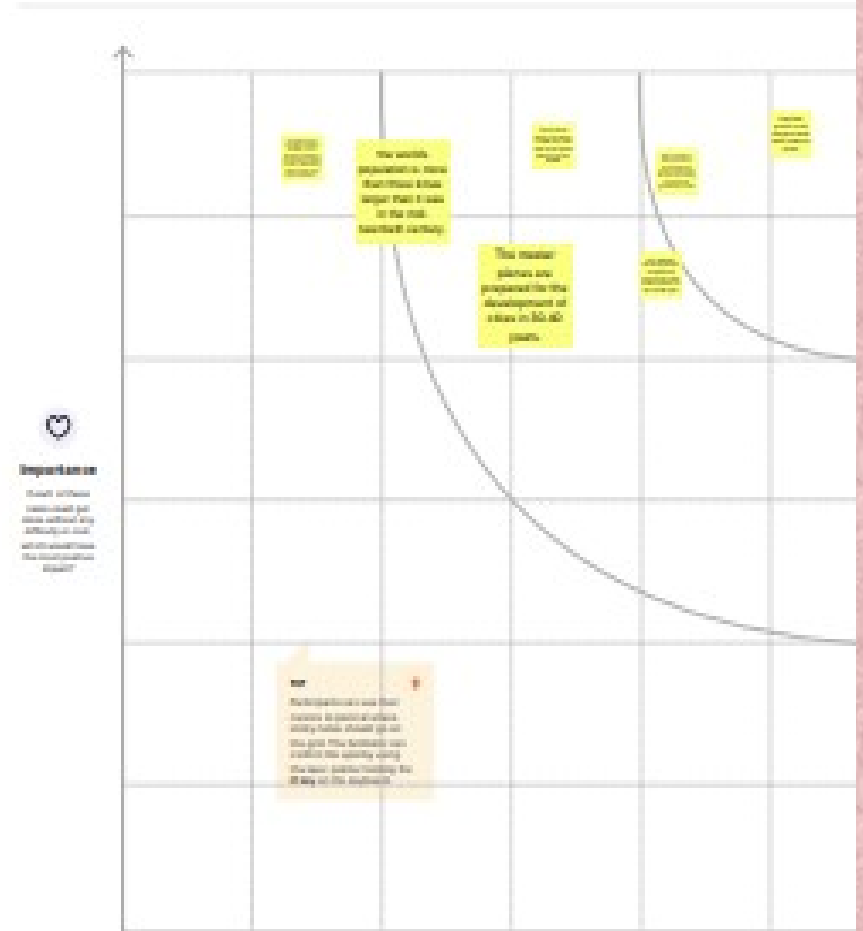


Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room



► [Download the full report](#)

 Springer

A population forecasting analysis

Advantages of population growth

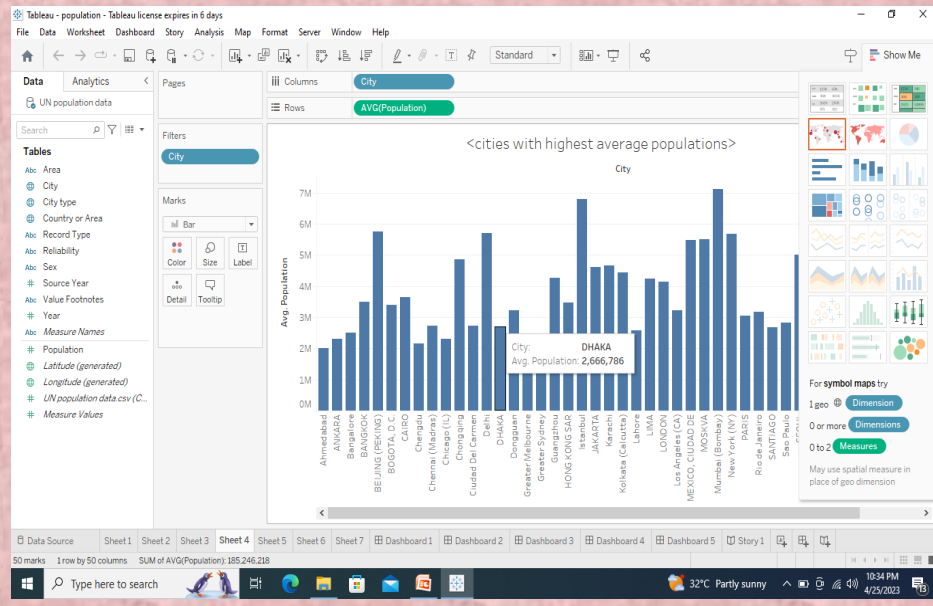
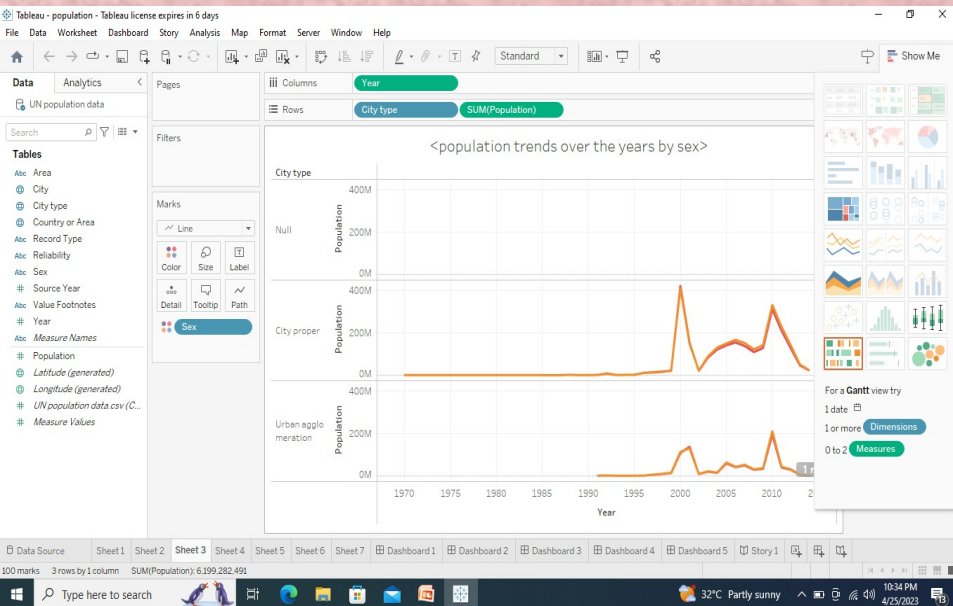
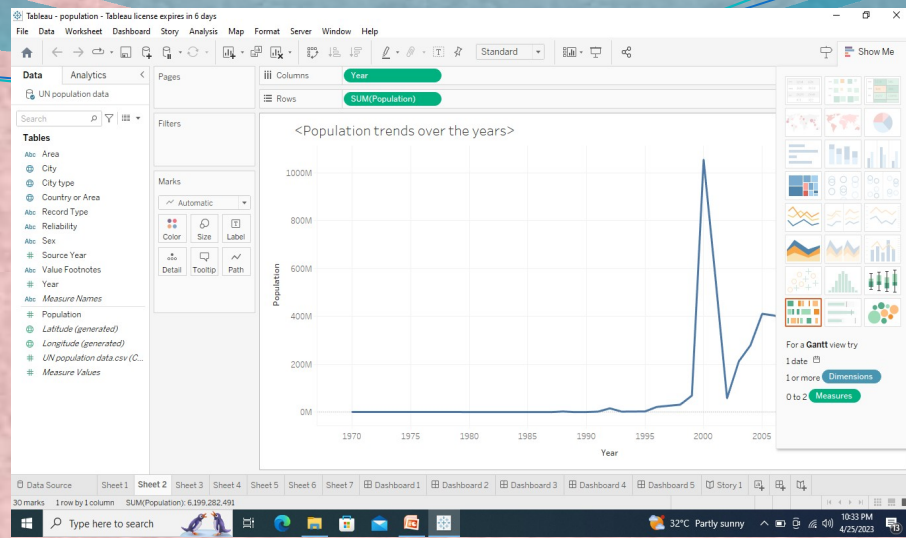
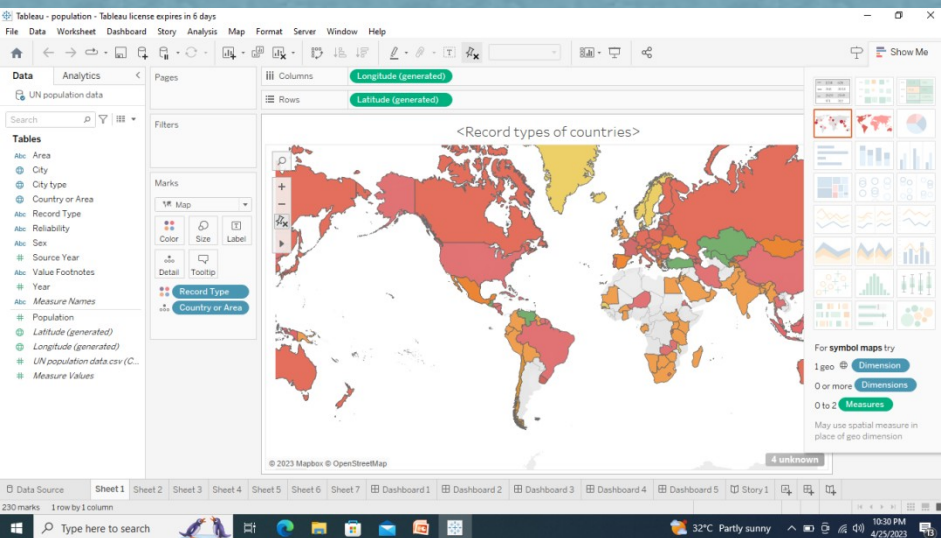
- If there are more people, the probability of finding a genius like Einstein, Marie Curie, Beethoven increase.
- These exceptional people can lead to technological and cultural masterpieces which enrich our lives.
- The past 200 years have shown exponential growth in technical development and innovation

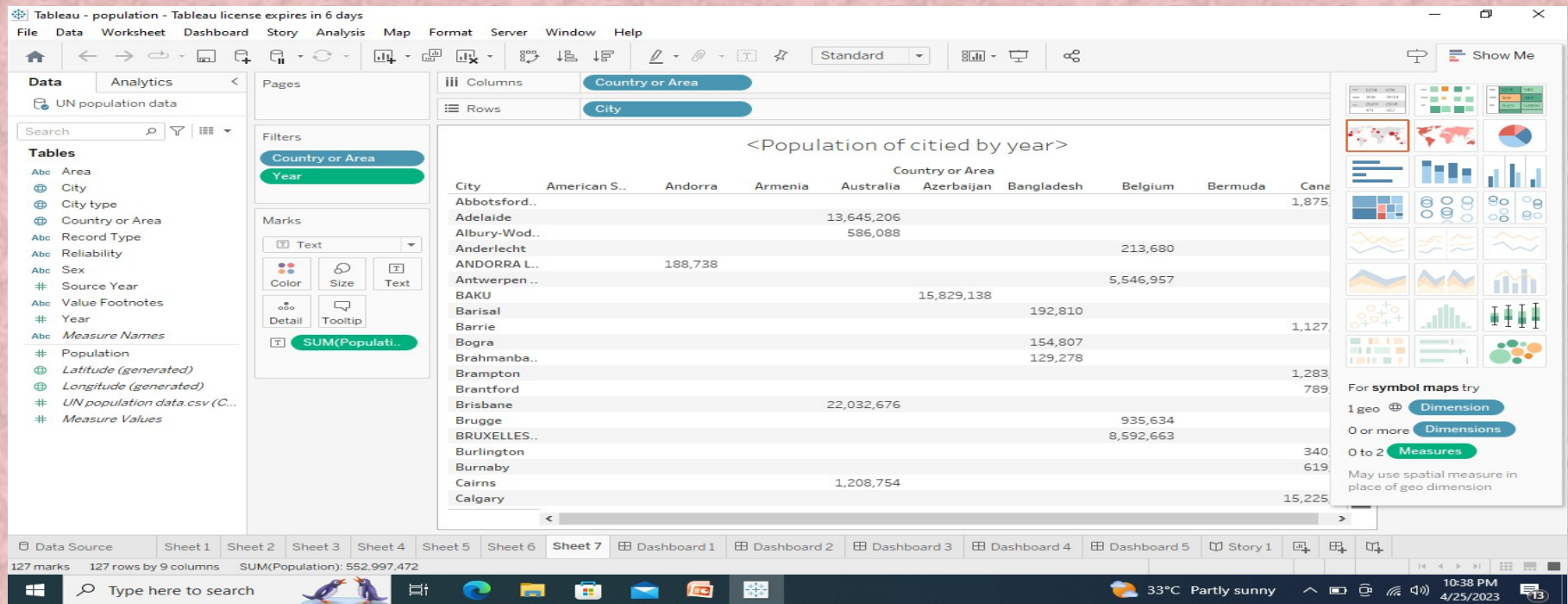
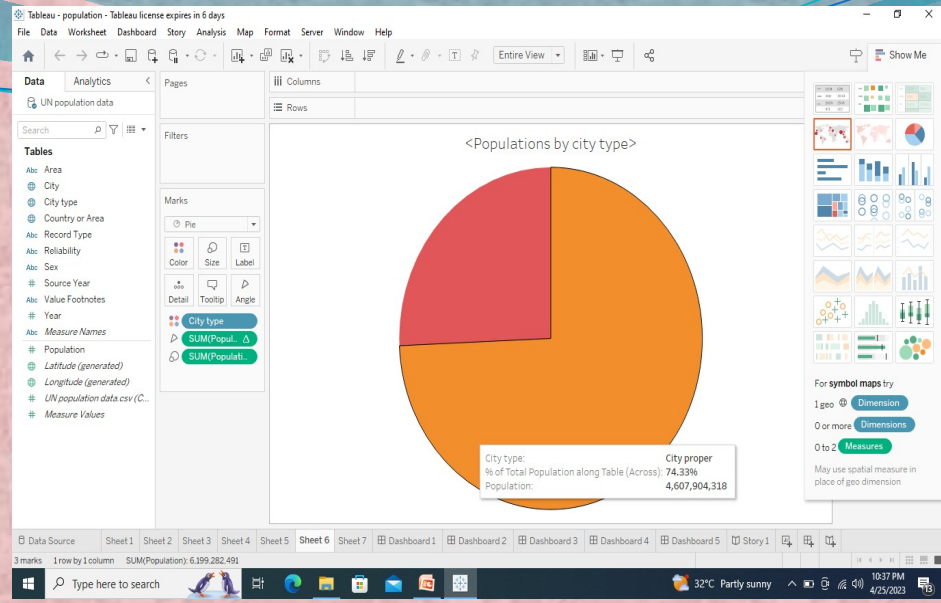
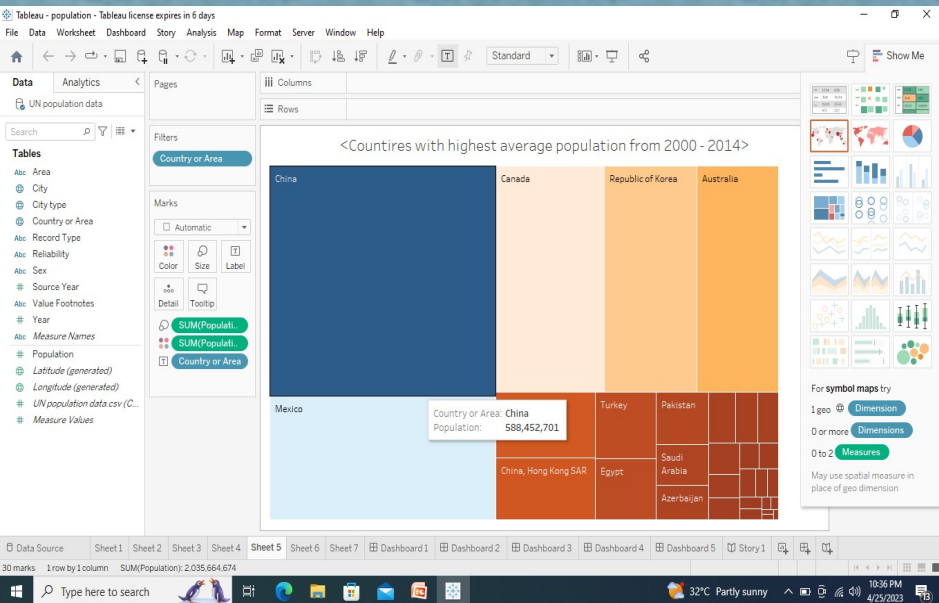
Disadvantages of population growth

- Trying to reduce carbon and methane emissions to reduce global warming is relatively more difficult as the population
- There will be greater threat on natural habitats as a greater population has greater demand for housing and farmland.
- This will increase pressure to cut down forests to make way for farming and housing.

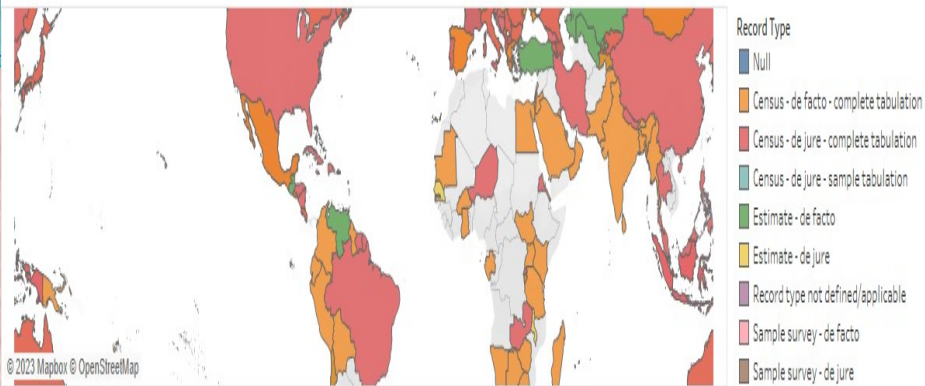
Application and future scope:

- The main purpose of producing population projections is provide an estimate of the future population as a common framework for use in planning, policy formation and decision making in a number of different fields.
- The planner either makes an explicit forecasting, or makes some implicit assumption about the population for which he is planning population includes much more than mere numbers of people.



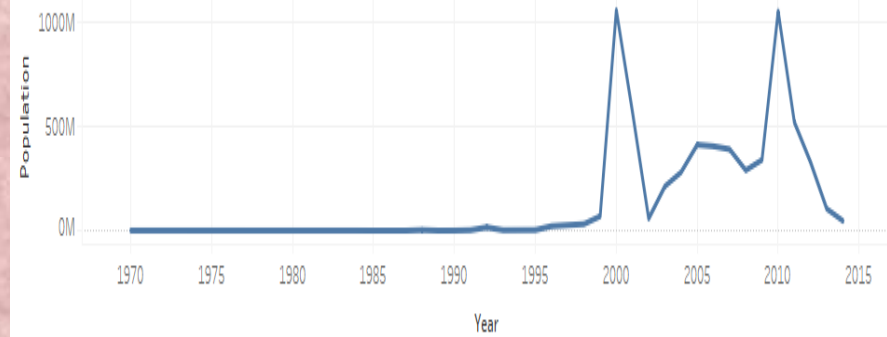


<Record types of countries>



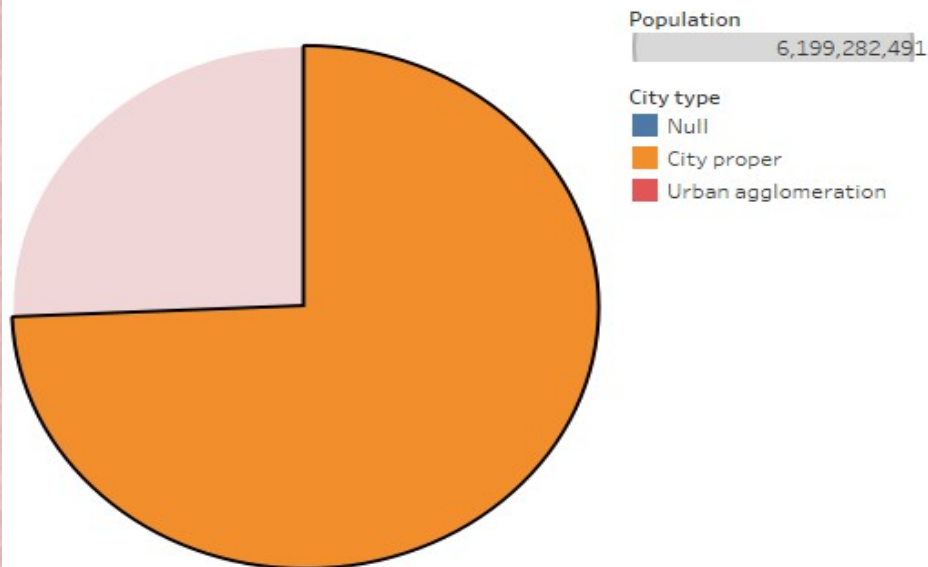
Map based on Longitude (generated) and Latitude (generated). Color shows details about Record Type. Details are shown for Country or Area.

<Population trends over the years>



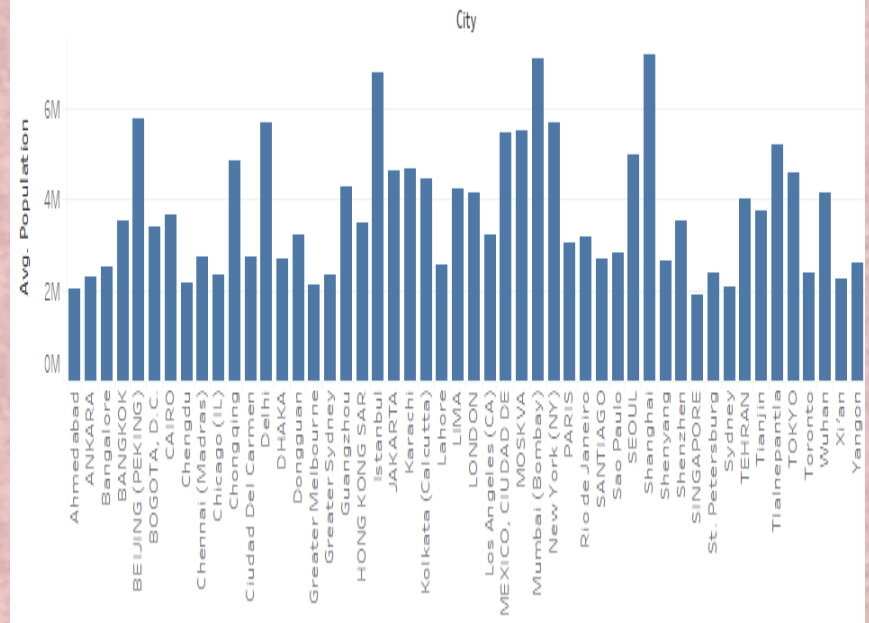
The trend of sum of Population for Year.

<Populations by city type>



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

<cities with highest average populations>



Average of Population for each City. The view is filtered on City, which has multiple members selected.

Story

<Population of cited by year>									
City	American S...	Andorra	Armenia	Australia	Country or Area Azerbaijan	Bangladesh	Belgium	Bermuda	Canada
Abbotsford-Mi...				12,645,206					1,875,961
Adelphi				586,088					
Albury-Wodan...							213,680		
Andersicht									
ANDORRA LA V...		188,732					5,546,957		
Antwerpen (An...					15,829,138				
BAKU						192,810			
Bartsel									1,127,109
Barris						164,807			
Bogra						129,278			
Brahmanbarta									1,283,140
Brampton									789,797
Brantford									
Brisbane				22,032,676					
Bruges							935,634		
BRUXELLES (B...							6,592,663		
Burlington									340,190
Burnaby									619,960
Carine				1,208,754					
Calgary									15,226,170
Cambridge									230,750
CANBERRA				3,721,133					
Canberra-Oque...				1,227,027					
Cape Breton									423,475
Central Coast				1,159,674					
Charlevoix							2,367,872		
Chatham-Kent									431,620
Chittagong						2,023,489			
Comilla						166,619			
Cookstown									227,460
Darwin				1,224,128		5,232,671			
DHAKA						157,914			
Dinajpur									
Edmonton					2,490,150				13,936,682
Ganja									610,375
Gatineau						122,901			
Geelong				1,644,107					
Gent (Gand)							2,486,206		
Gold Coast				1,909,167					
Gold Coast-Tw...				3,708,836					
Greater Adelai...				2,641,372					
Greater Brisb...				4,338,912					
Greater Darwin				261,000					
Greater Hobart				43,257					
Greater Melsb...				8,417,447					
Greater Perth				3,732,113					
Greater Sudbur...									1,939,084
Greater Sydney				9,278,611					
Greater Western...				2,315,676					
Guelph									873,575
Gyumeni (Lenin...			1,010,502						
Halifax									5,346,246
Hamilton								8,115	9,367,099
HAMILTON									
Hobart				2,294,500					
Jamshpur						120,955			
Jassore						128,661			
Kadamtseul									727,119
Kelowna									
Khulna						770,498			
Kingston									1,780,844
Kitchener-Cam...									3,704,761
Launceston				575,592					
Laval									1,113,270
Lévis V									130,000
Lille (Lusk)							3,062,030		
London									6,203,413
Longueuil									460,745
Markham									771,900
Markham				44,226,747					
Melbourne									1,994,530
Moncton									593,938
Montreal									44,799,457
Mymensingh									
Namur						227,204	858,900		
Naogaon						124,046			
Narayanganj						241,393			
Narsingdi						104,204			
Navatganj						162,223			
Newcastle				3,573,186					
Newcastle-Mat...				834,812					
Oakville									348,130
Oshawa									2,238,283
OTTAWA									883,395
Ottawa - Gatineau									14,426,169
Pabna						116,305			
PAGO PAGO	4,278								
Perth				18,142,426					
Peterborough									479,823
Quibec									6,314,954
Rajshahi						388,811			
Rangpur						241,310			
Regina									2,404,239
Richmond Hill									364,933
Richmond Hill									348,245
Sarnia									623,923
Saguenay									1,363,542
Saidpur						112,609			
Saint John									1,202,515
Saskatoon									3,296,434
Sherbrooke							469,917		
Sherbrooke									2,092,133
Sirdaani						128,144			
St Catharines...									3,712,785
St John's									1,764,383
Sumgayit				2,306,256	2,437,450				
Sunshine Coast									
Surrey									1,211,055
Sydney				49,636,931					
Tangail						128,785			
Tangail Bay									1,467,744
Tangai						283,099			
Tatavumbata				1,040,499					
Toronto									66,400,556
Town of St. Ge...									
Townsville				1,526,174				6,703	
Trois-Rivieres									
Vandoeuvre (Kiro...									1,414,514
Vancouver			633,405						
Vaughan									26,159,152
Victoria									3,130,088
Whitby									133,176
Windsor									4,237,673
Winnipeg									3,767,981
Wollongong									
YEREVAN				7,703,062	563,948				

Sum of Population broken down by Country or Area vs. City. The data is filtered on Year, which ranges from 1988 to 2014. The view is filtered on Country or Area, which keeps 3 members.

Conculsion

- The earth current population is almost 7.6 billion people ,and it is expanding . It expected to surpass 8 billion people by 2025, 9 billion by 2040, and 11 billion by 2100. population growth is the increase in the number of humans on earth