PROJECT REPORT
(TRACING THE GROWTH OF THE GLOBAL COMMUNITY : A POPULATION FORECASTING ANALYSIS)

1 INTRODUCTION

1.1 Overview

Population projections are intended to identify and chart the possible effects of influences and contingencies that determine future population size. This paper considers three critical ingredients for future-oriented demographic analysis applied to small areas. Familiarity with the logic and limitations of each projection method. The logic of trend extrapolation, component analysis, and labor market forecasting models is described, and new evidence is presented on the comparative performance of the first and last of these approaches. Informed judgment about the assumptions on which a projection or forecast has been based.

Forecasting is least effective when it is conducted as an exclusively mechanical process. Continual reappraisal of those assumptions and revision when necessary. The fact that precise forecasts of population growth and structure are made should not obscure the uncertainty which surrounds these assumptions. All such assumptions have a limited life expectancy, and the judgments on which they rest must be reexamined continually.

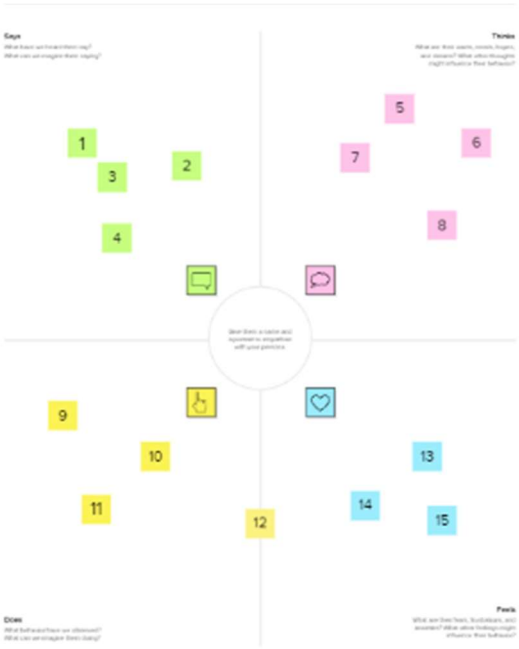
1.2 Purpose

A population forecasting gives a picture of what the future size and structure of the population by sex and age might look like. It is based on knowledge of the past trends, and, for the future, on assumptions made for three components: fertility, mortality and migration.

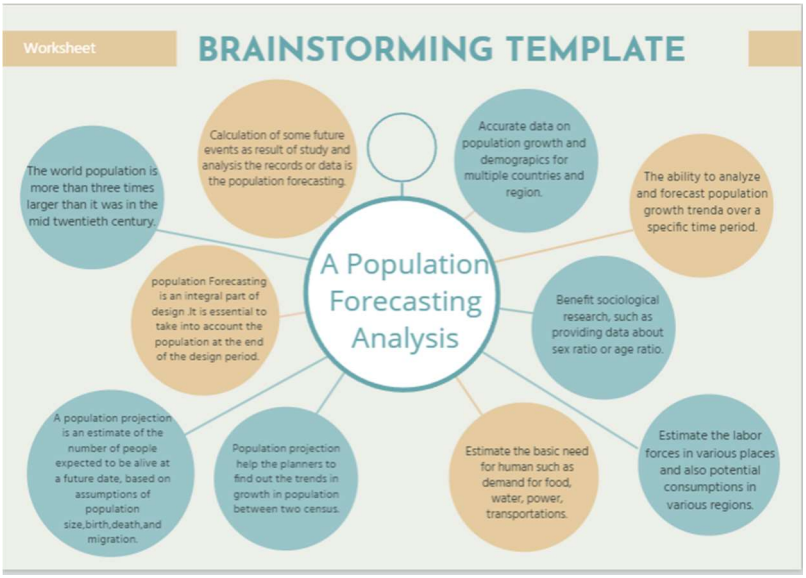
A population forecast provides estimates of the most likely future trends in population size and in demographic indicators such as population distribution by age and sex. A forecast is based on the current understanding of the roles played by various factors affecting population growth and on an appropriate, accepted methodology for calculating the effects of future changes in these factors.

2 PROBLEM DEFINITION AND DECISION MAKING

2.1 Empathy Map



2.2 Ideation & Brainstorming map



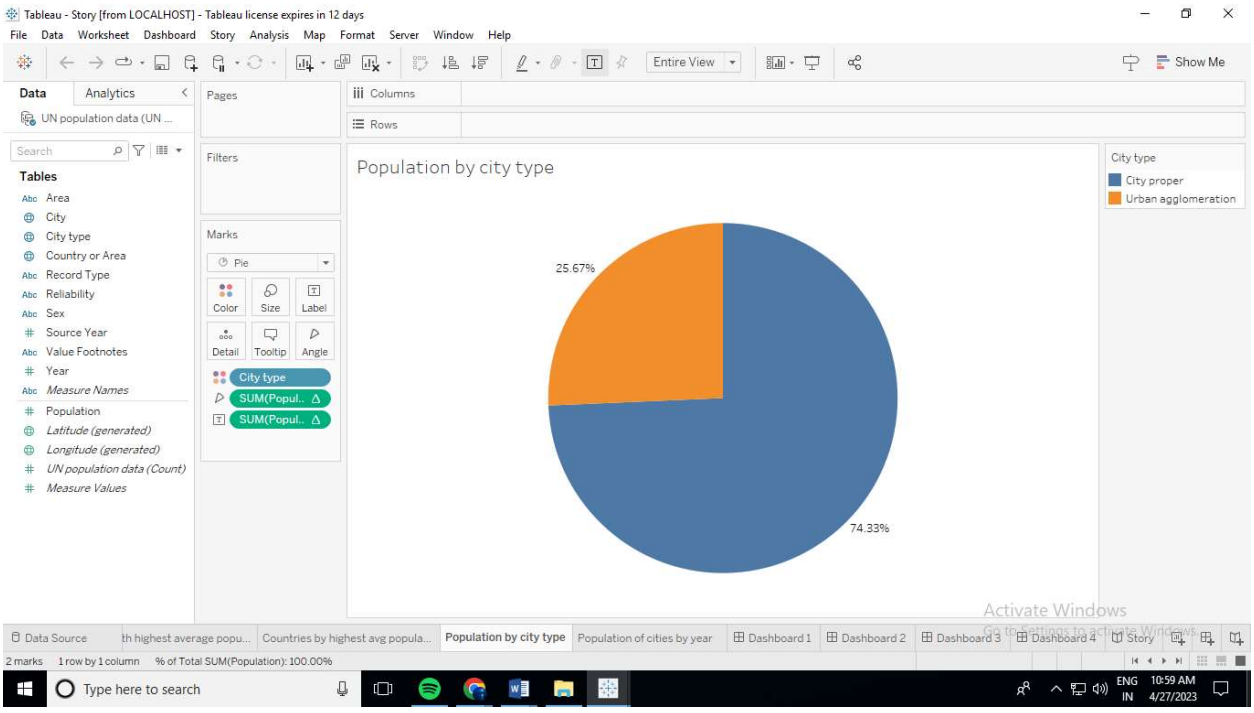
3 RESULT

3.1 Social Impact: Improve the infrastructure and strategies through which the cities could manage the population. Growing population brings changes in social values and beliefs, cultural behaviors, traditions and customs of the society.

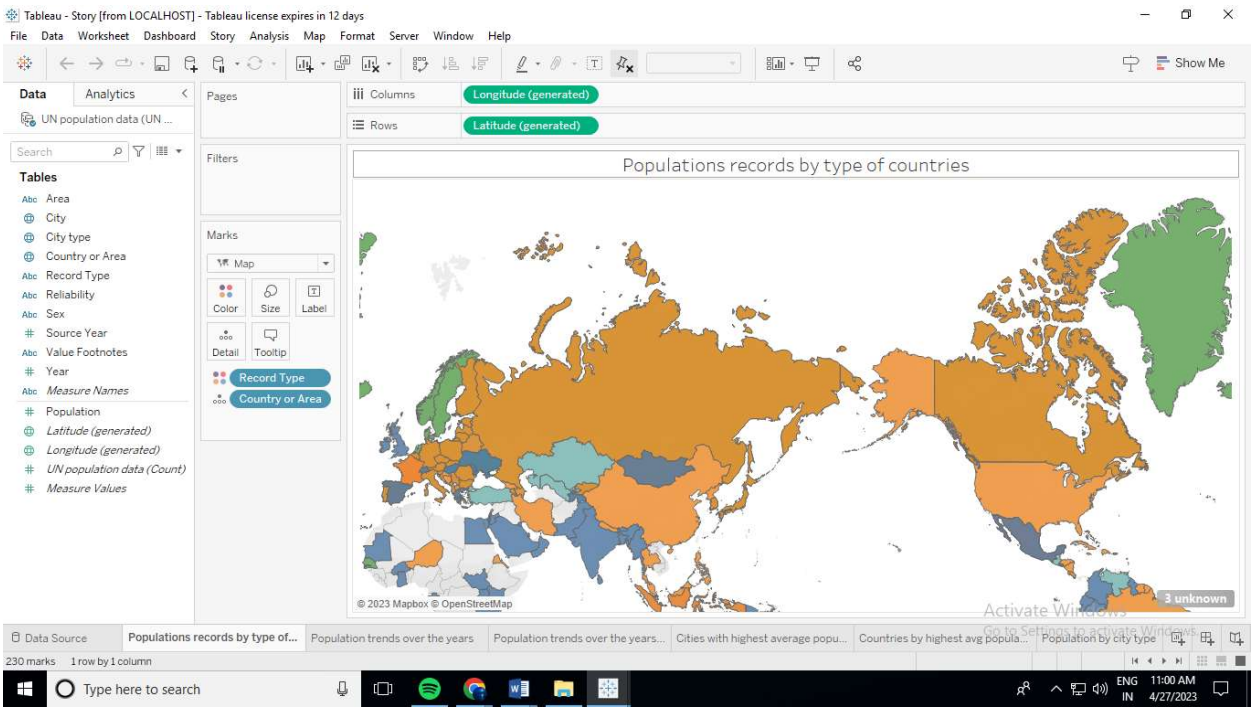
Business model / impact: By understanding population growth trends and demographics, a business can make more informed decisions about where to invest resources and expand operations.

3.2 Activity & Screenshot

Sheet -6



Sheet -1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Populations records by type of countries
© 2023 Mapbox © OpenStreetMap
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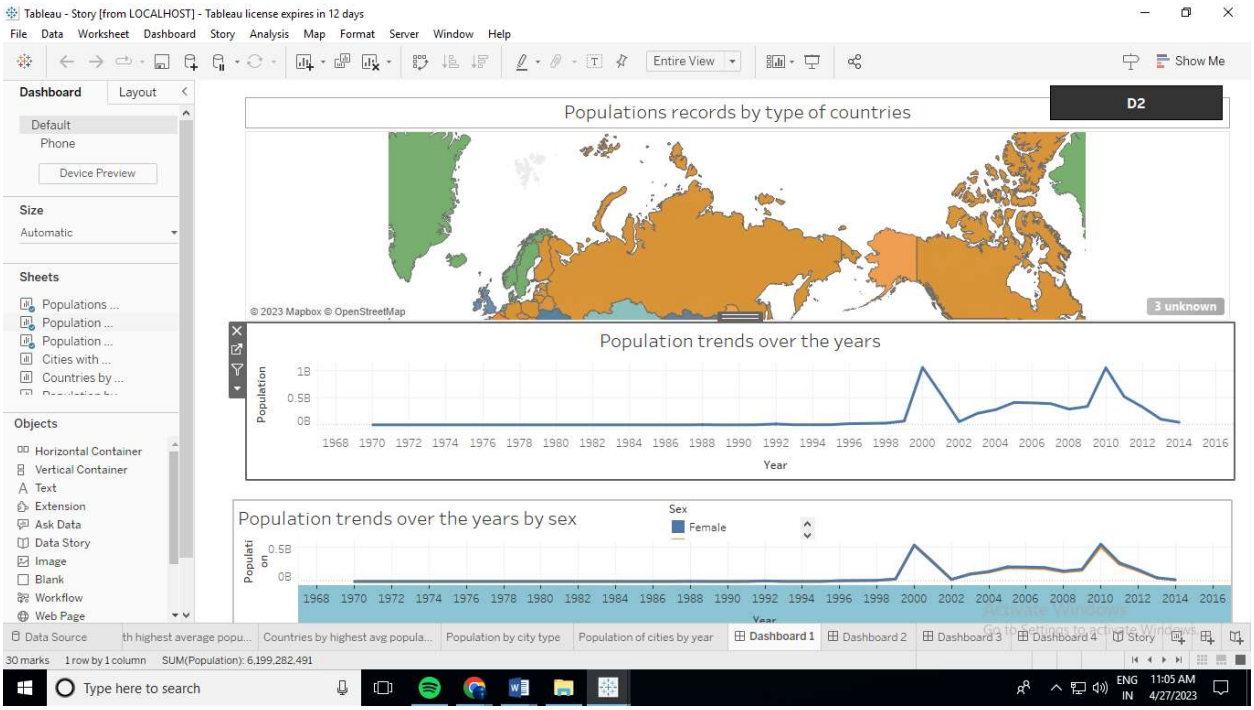
Dashboard -1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© 2023 Mapbox © OpenStreetMap
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4 TEAM DETAILS

Team Lead- Ribana Aasmi. S

Team Member 1- Annes Harriot. A

Team Member 2- Rilvana Aboori. M

Team Member 3- Usha Rani. S

5 ADVANTAGES & DISADVANTAGES

Advantages

- Estimate the basic need for human, such as demand for food, water, power, transportations.
- Plan constructions such as housing, highways etc.
- Estimate the labor forces in various places.
- Estimate the potential consumptions in various regions.
- Benefit sociological research, such as providing data about sex ratio or age ratio.

Disadvantages

- Forecasts are never 100% accurate..
- It can be time -consuming and resource –internship.
- The reliability of projections decreases over time,and projections tend to be less reliable in period of rapid change.

6 APPLICATIONS

- Tourism
- Community life
- Unforeseen factors

7 CONCLUSION

The population analysis is needed to identify problems and community needs, establish goals and objectives, assess alternative courses of action, allocate resources

for plan implementation, and evaluate the ability of the plan to achieve goals and objectives.

8 FUTURE SCOPE

- Constant Enrollment Numbers
- Constant Enrollment Rates
- Fast Track
- Global Education Trend

APPENDIX

Source code - Dashboard

https://public.tableau.com/views/Apopulationforecastinganalysis/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link

Source Code - Story

https://public.tableau.com/views/Story_16824900885470/Story?:language=en-US&:display_count=n&:origin=viz_share_link