

# **TRACING THE GROWTH OF THE GLOBAL COMMUNITY: A POPULATION FORECASTING ANALYSIS**

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# 1 INTRODUCTION

## 1.1 OVERVIEW

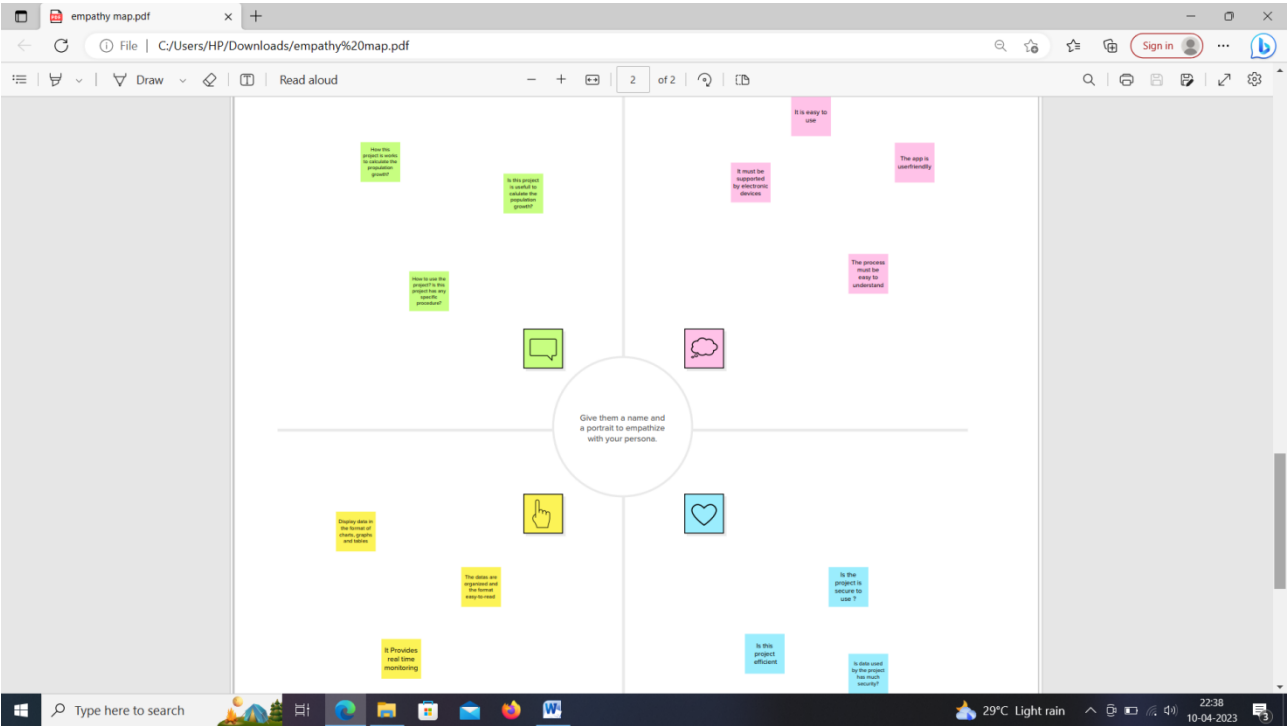
The world's population is more than three times larger than it was in the mid-twentieth century. The global human population reached 8.0 billion in mid-November 2022 from an estimated 2.5 billion people in 1950, adding 1 billion people since 2010 and 2 billion since 1998. The world's population is expected to increase by nearly 2 billion persons 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. This 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

## 1.2 PURPOSE

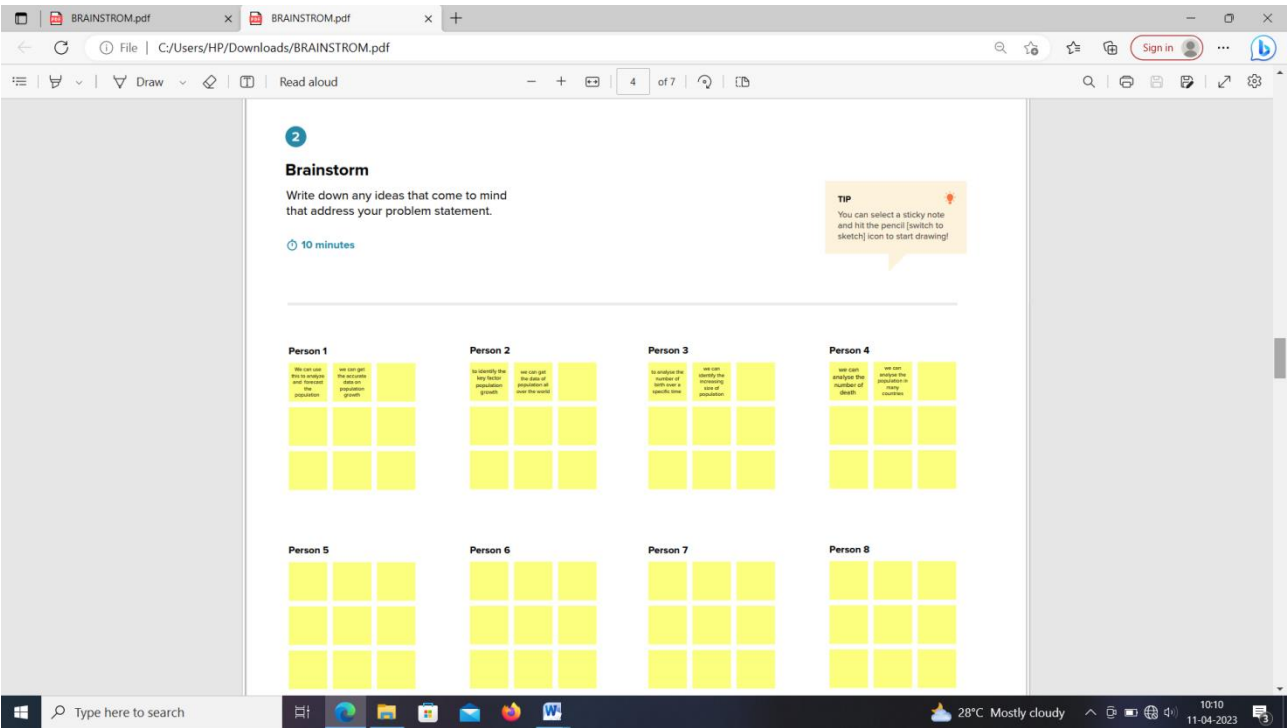
Population counts are important for governments in order to collect taxes and allocate the proper amount of funding to various infrastructure and social programs. Population growth will lead to **economic growth with more people able to produce more goods**. It will lead to higher tax revenues which can be spent on public goods, such as health care and environmental projects. Population growth affects many phenomena such as the age structure of a country's population, international migration, economic inequality, and the size of a country's work force.

# 2 PROBLEM DEFINITION AND DESIGN THINKING

## 2.1 EMPATHY MAP

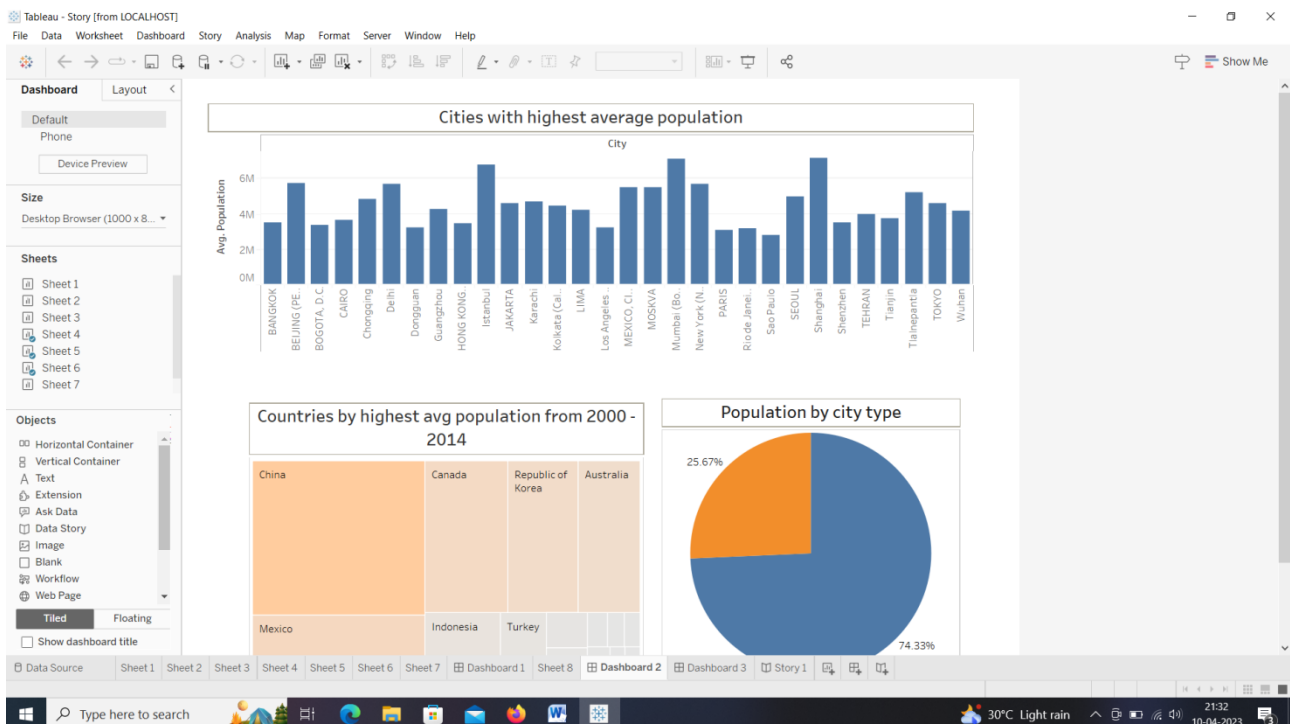
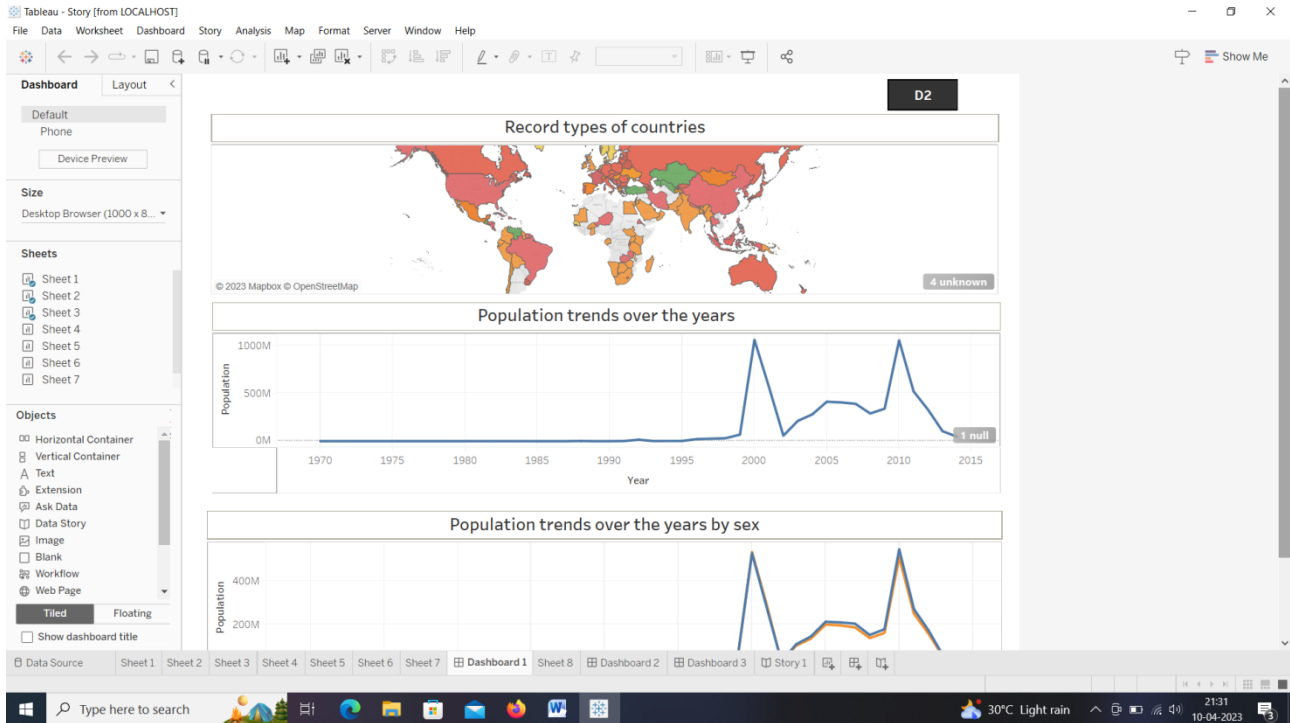


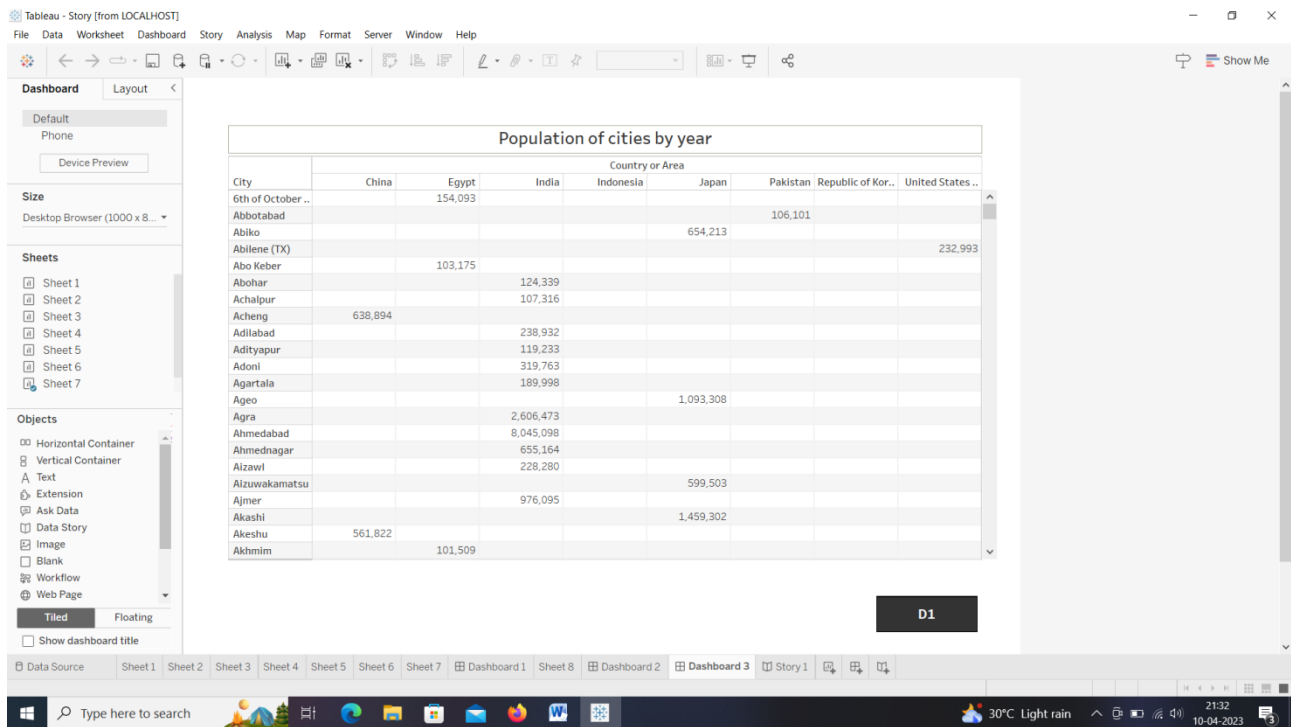
## 2.2 IDEATION AND BRAINSTORMING



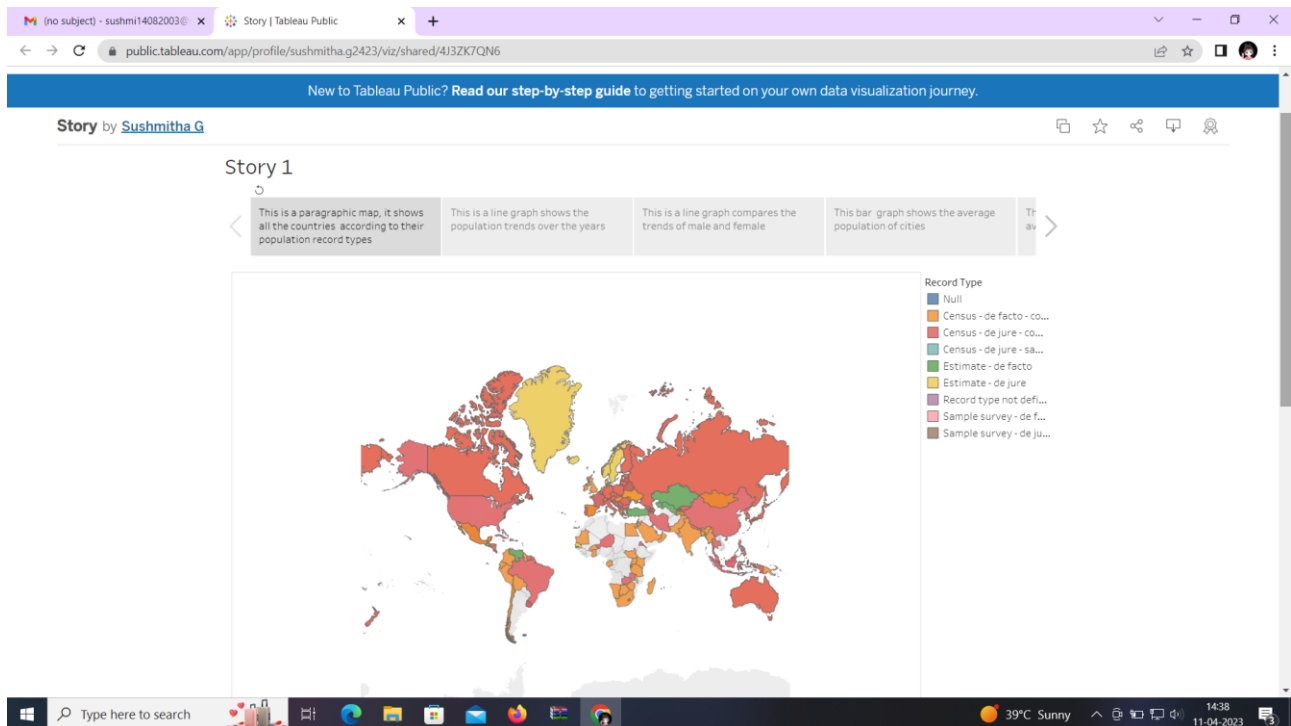
# 3 RESULT

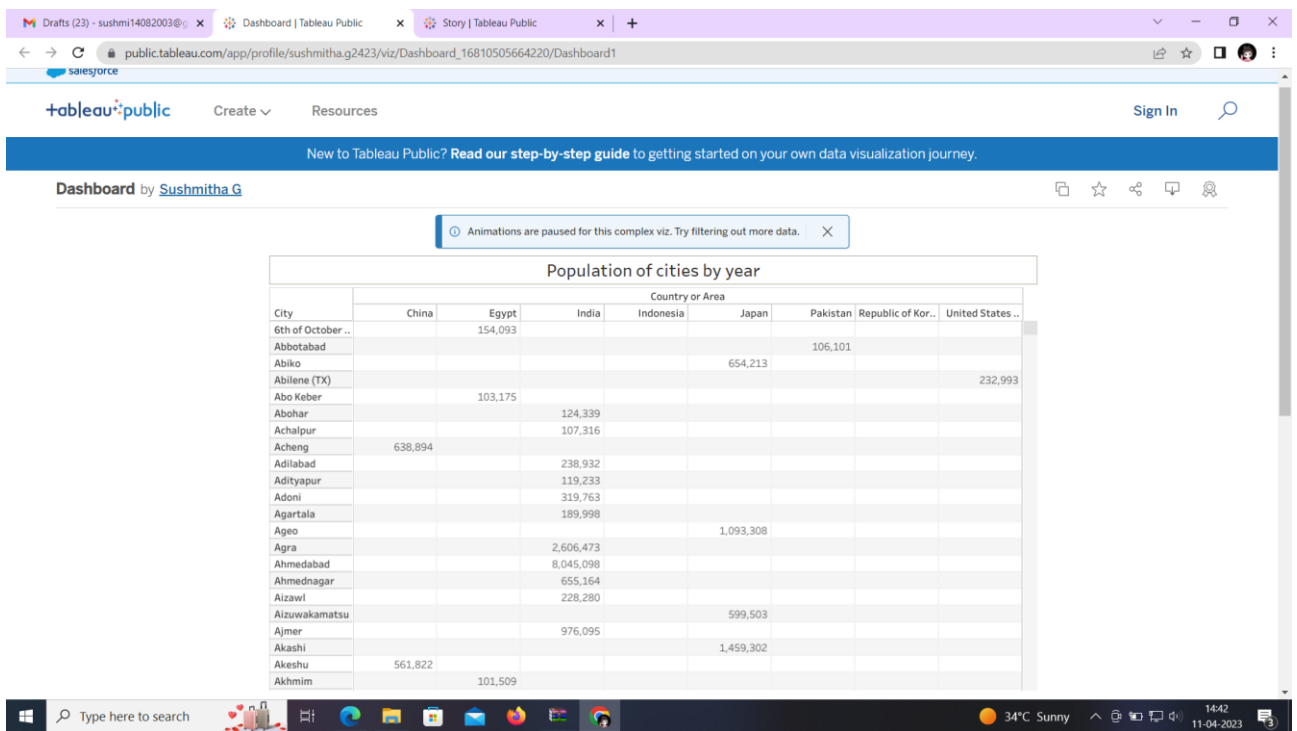
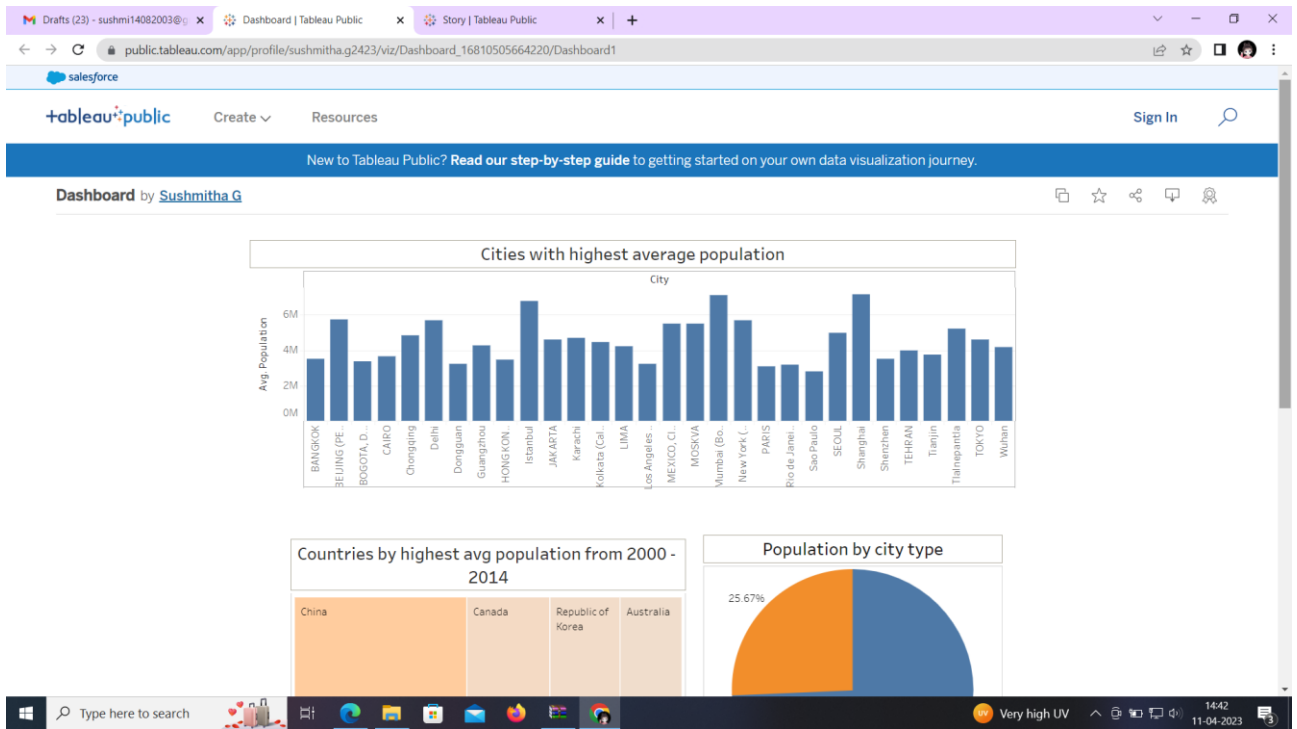
## DASHBOARD



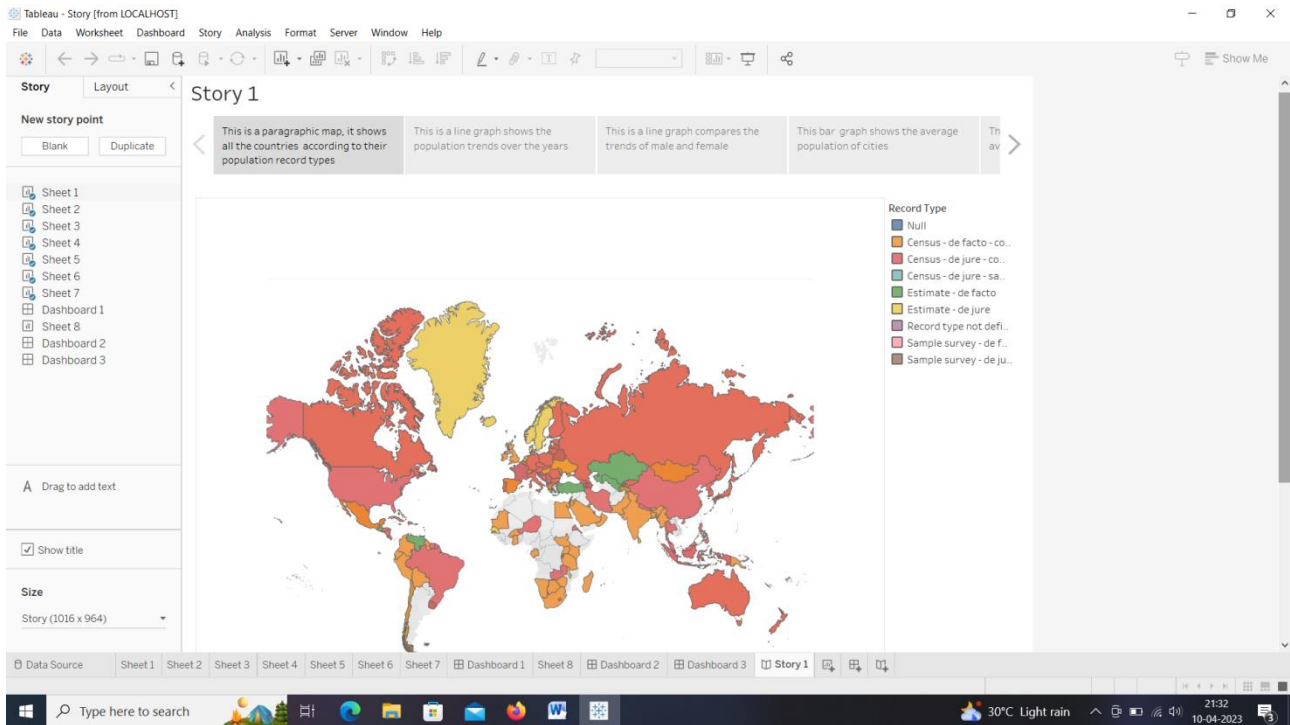


## FINAL DASHBOARD OUTPUT ON TABLEAU PUBLIC

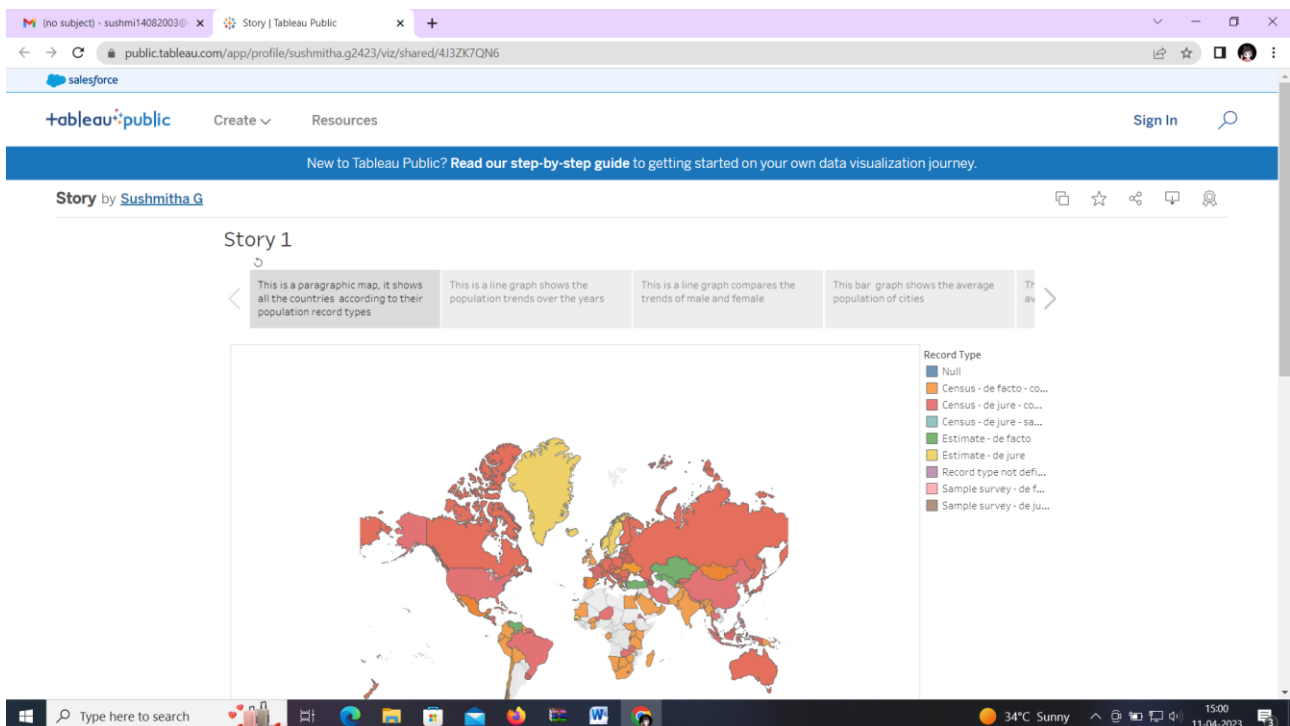




# STORY



# FINAL STORY OUTPUT ON TABLEAU PUBLIC



## **4 ADVANTAGES AND DISADVANTAGES**

### **ADVANTAGES:**

- ❖ Increased human capital
- ❖ More scope for Innovation, invention and creative genius
- ❖ Economics of scale from higher population.
- ❖ Enables specialisation
- ❖ Higher population densities more efficient

### **DISADVANTAGES**

- ❖ Increasing pressures on natural environment
- ❖ Water shortages
- ❖ Increases population Exacerbates global warming
- ❖ More waste creation
- ❖ Congestion
- ❖ Over-use of non-renewable resources

## **5 APPLICATIONS**

- ❖ Accurate data on population growth and demographics for multiple countries and regions.
- ❖ Improve the infrastructure and strategies through which the cities could manage the population
- ❖ The ability to analyse and forecast population growth trends over a specific time period.
- ❖ By understanding population growth trends and demographics, a business can make more informed decisions about where to invest resources and expand operations.



## **6 CONCLUSION**

- ❖ We created population over the years by sex shows that the female population is higher than the male population
- ❖ China has the highest average population over the years 2000-2014

## **7 FUTURE SCOPE**

- ❖ This project is applicable for analyse the specific population increase in cities
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## **8 APPENDIX**

Source code - nill