An internship in

**Data Analytics with Tableau By**

**SmartInternz**

**Project name**:- *Measuring the pulse of prosperity:- An Index of Economic Freedom Analysis*

**Project ID*:- LTVIP2026TMIDS72915***

**Project Mentor**:-*Varoodhini*

**Date:-**

**20 february 2026**

1. **Introduction:-**
2. **Project Overview:-**

*This project focuses on creating a data visualization model to analyze and understand key insights from the dataset. The goal is to present the data in a clear and interactive way using dashboards and stories.*

*The model includes steps like:*

* + *Loading and rendering the data*
  + *Preprocessing the data*
  + *Using filters and calculated fields*
  + *Designing dashboards and stories*

*This performance testing helps ensure the model works well, loads quickly, and shows accurate results. It also checks if the visuals and interactions are smooth for users.*

**1.2 Purpose:-**

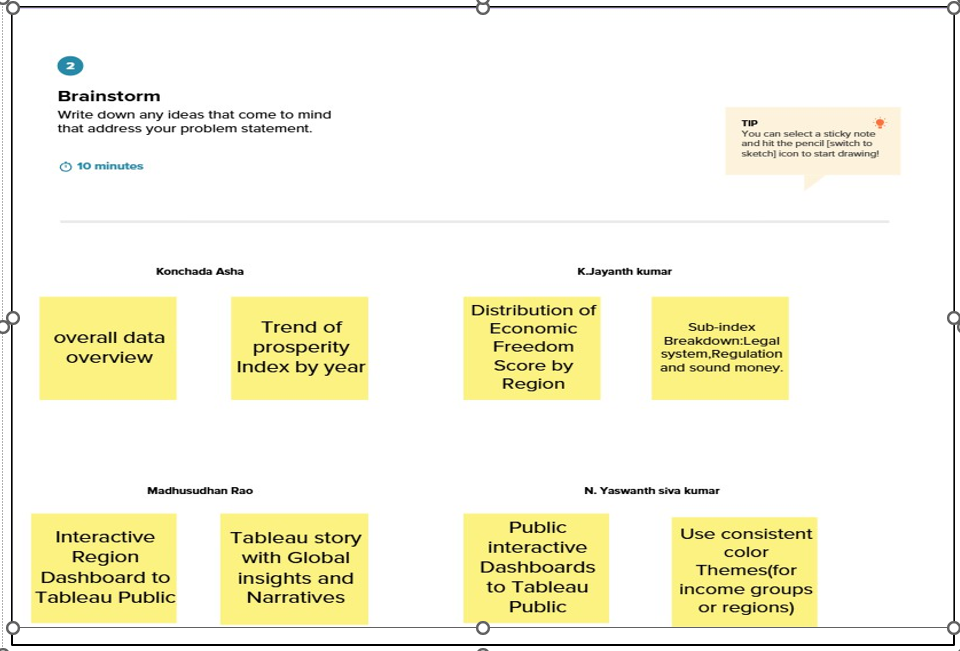
The purpose of this project is to visualize and analyze economic freedom data across countries using Tableau. It helps users understand key indicators like GDP, inflation, unemployment, and financial freedom in an interactive and easy-to-use format.

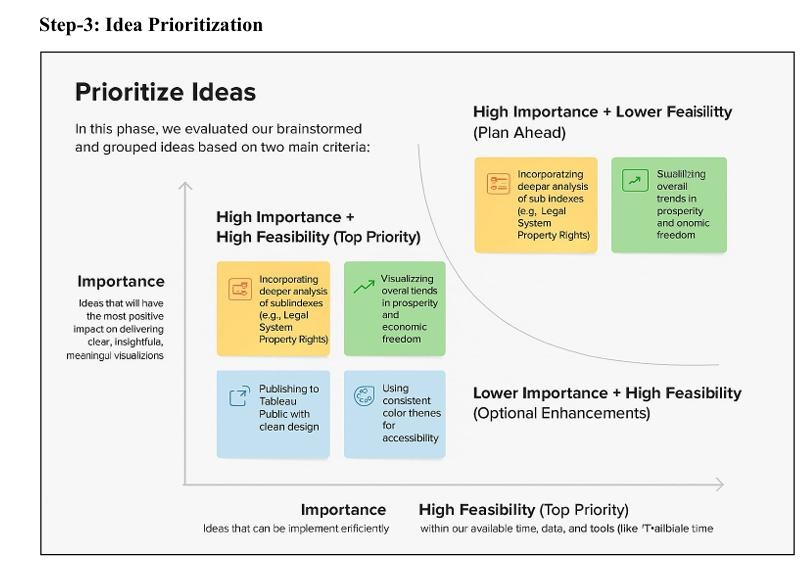
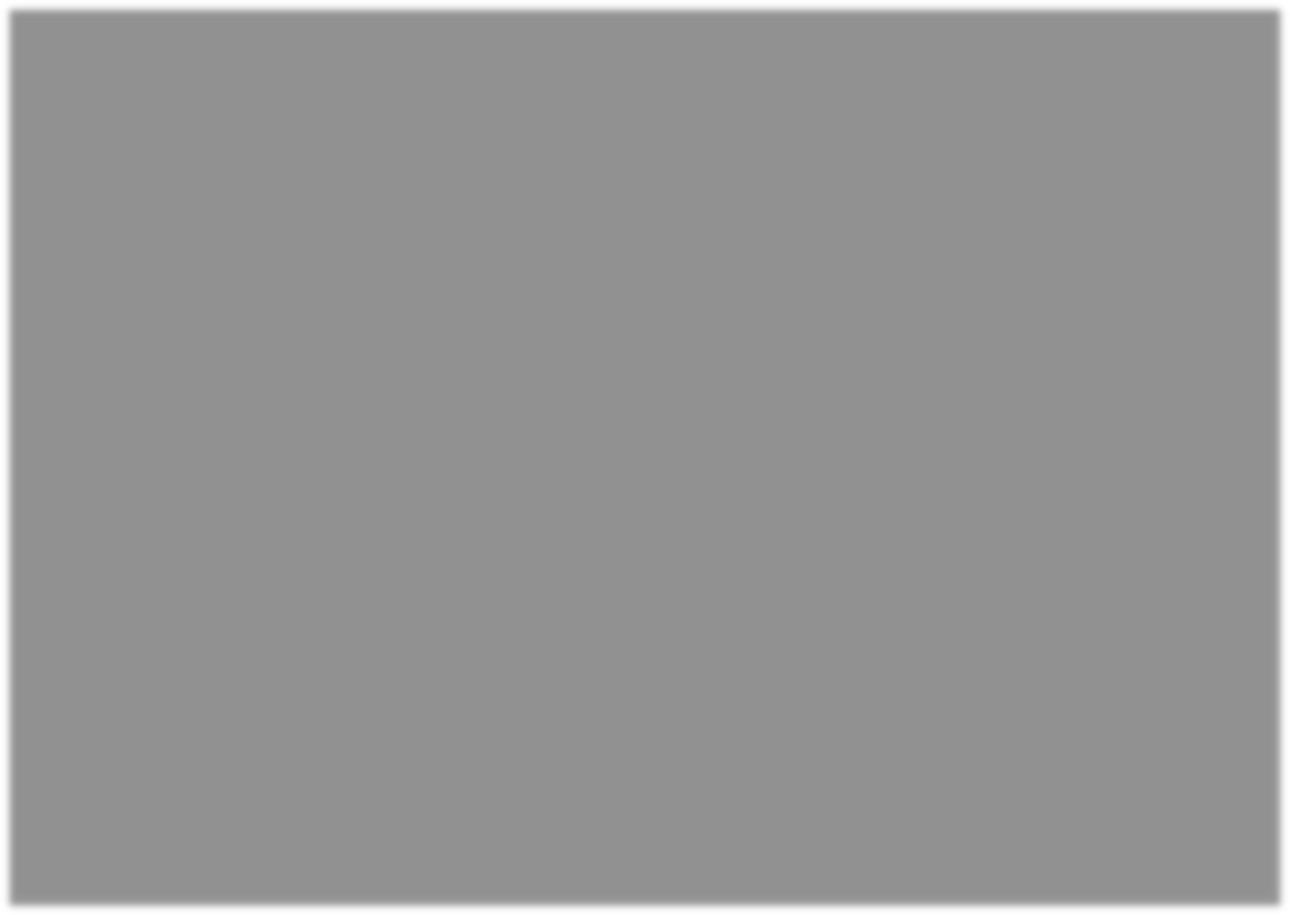
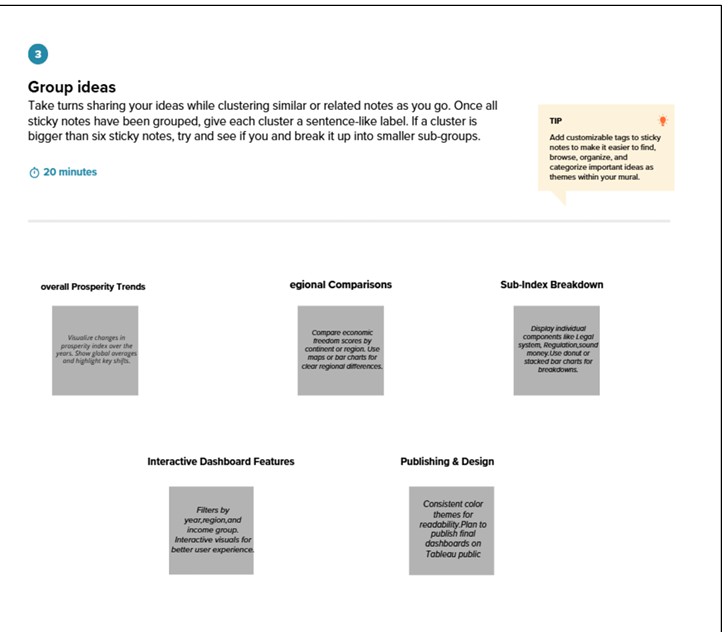
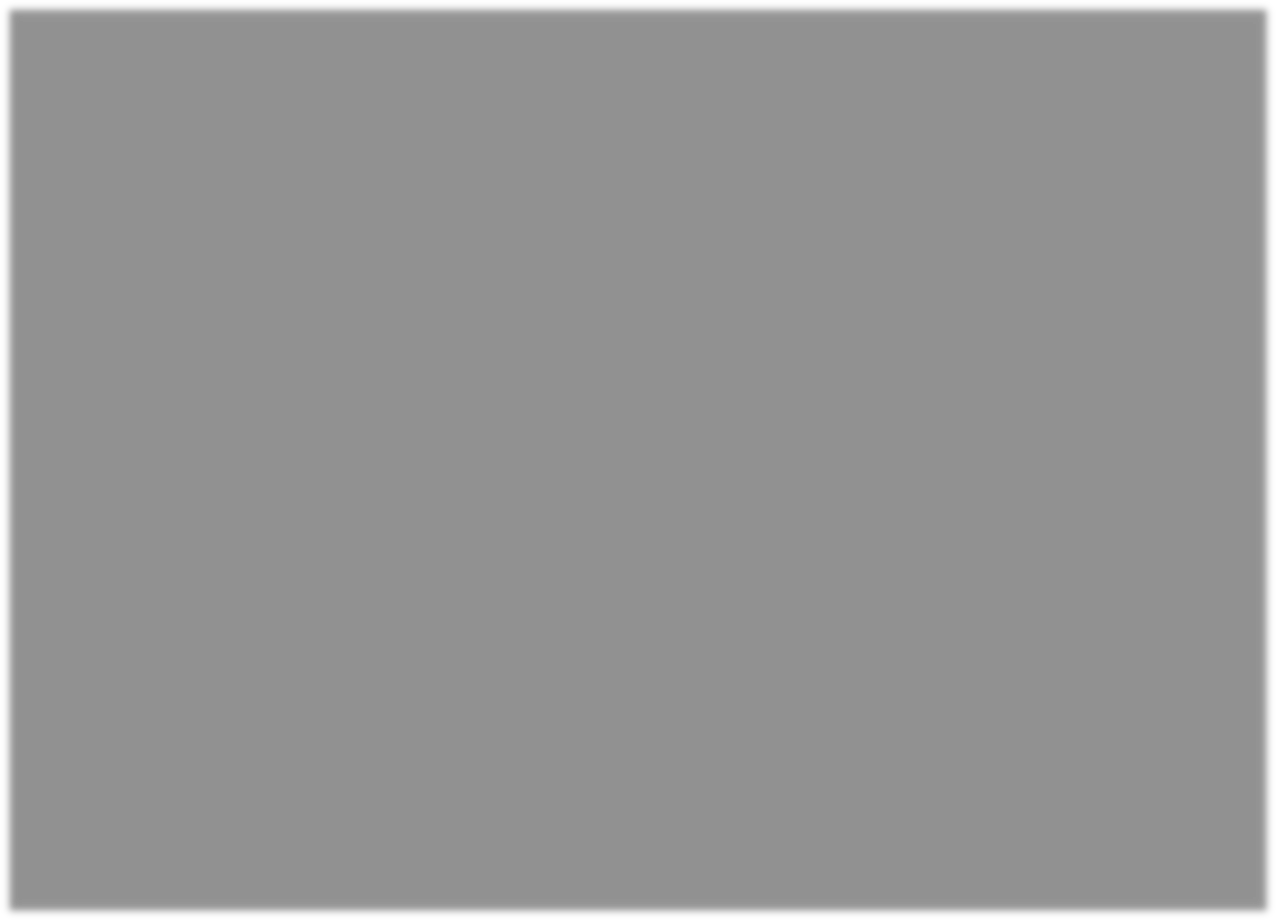
This visualization supports:

* *Better decision-making through clear insights*
* *Comparison of countries based on economic performance*

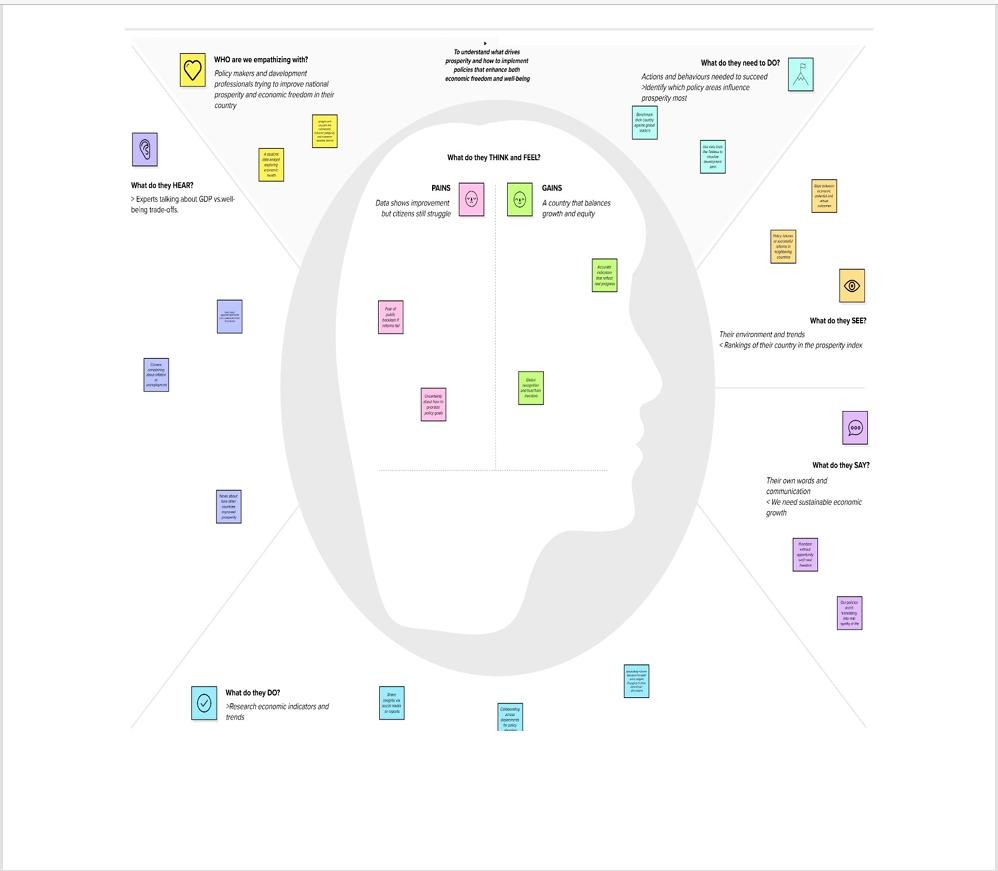
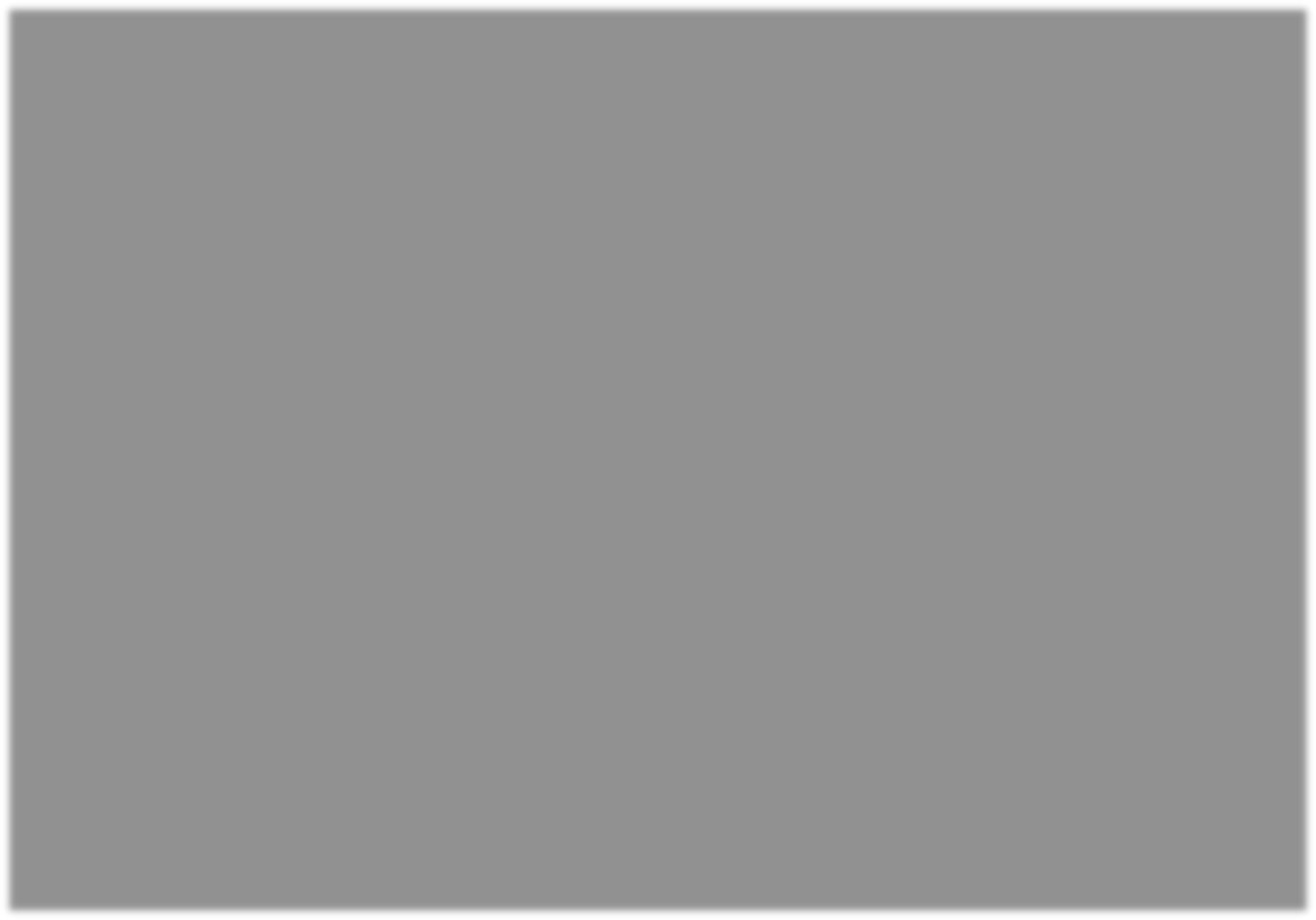
# IDEATION PHASE:-

* 1. **Brainstorming:-**

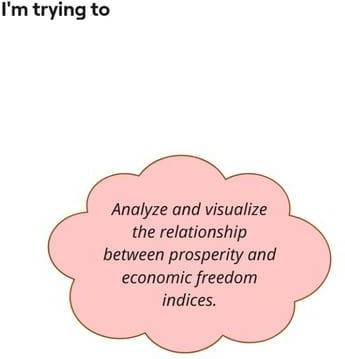
****

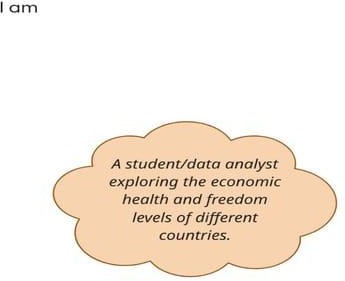
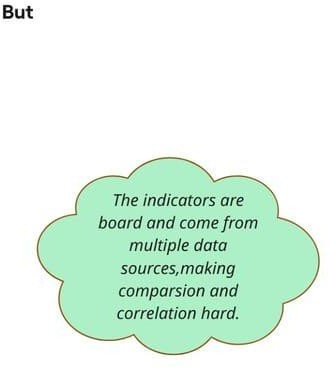


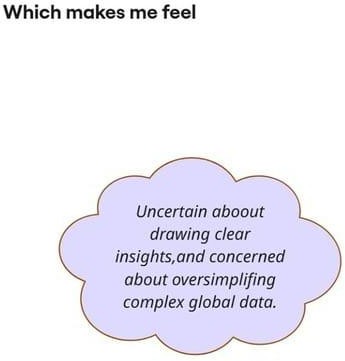
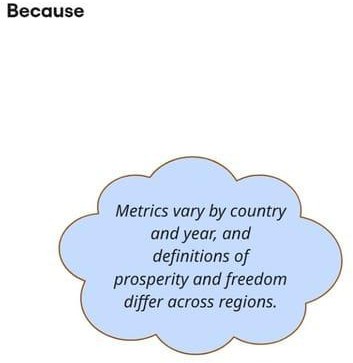
* 1. **Empathy map canvas:-**



* 1. **Problem statement:-**

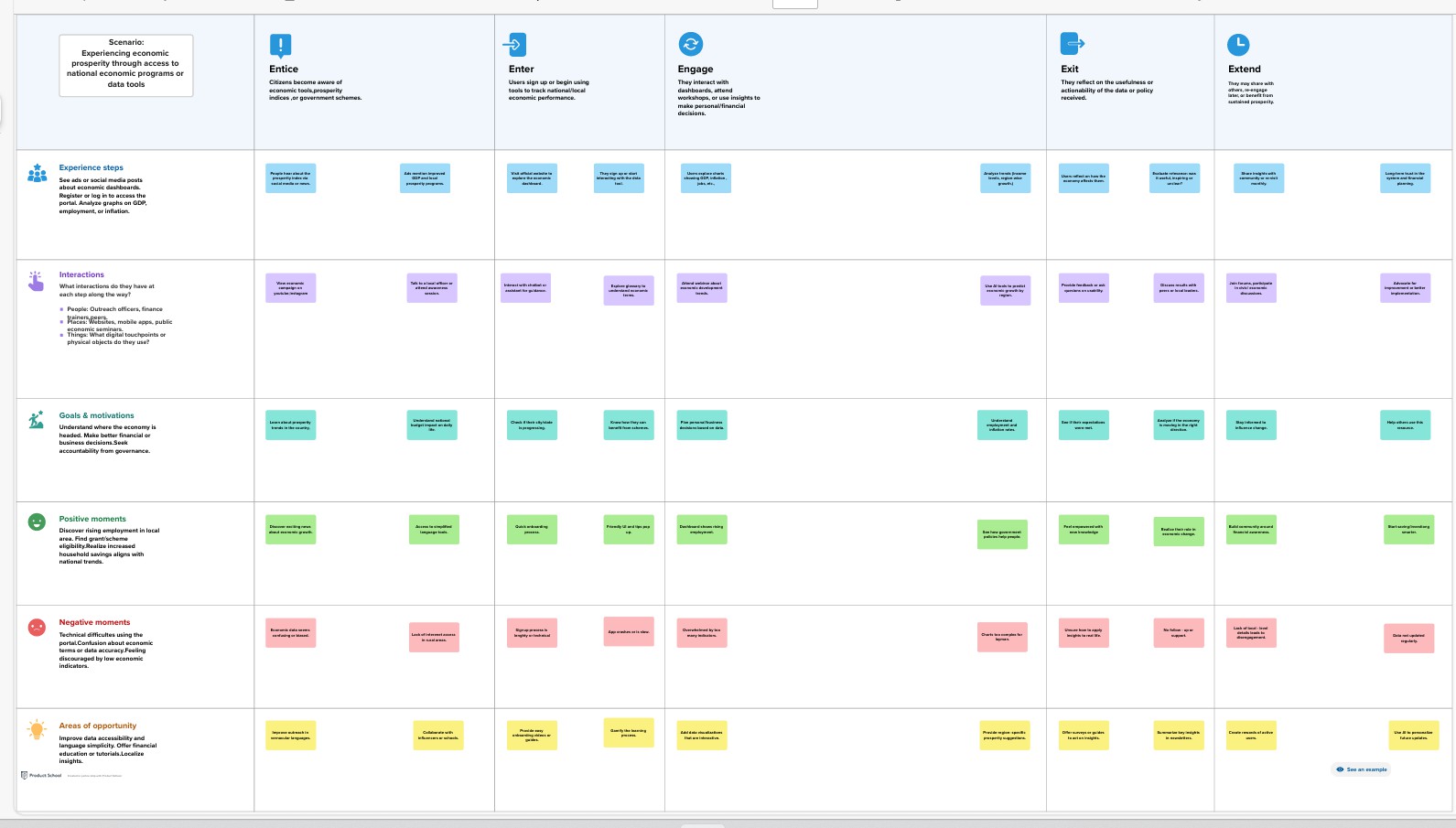
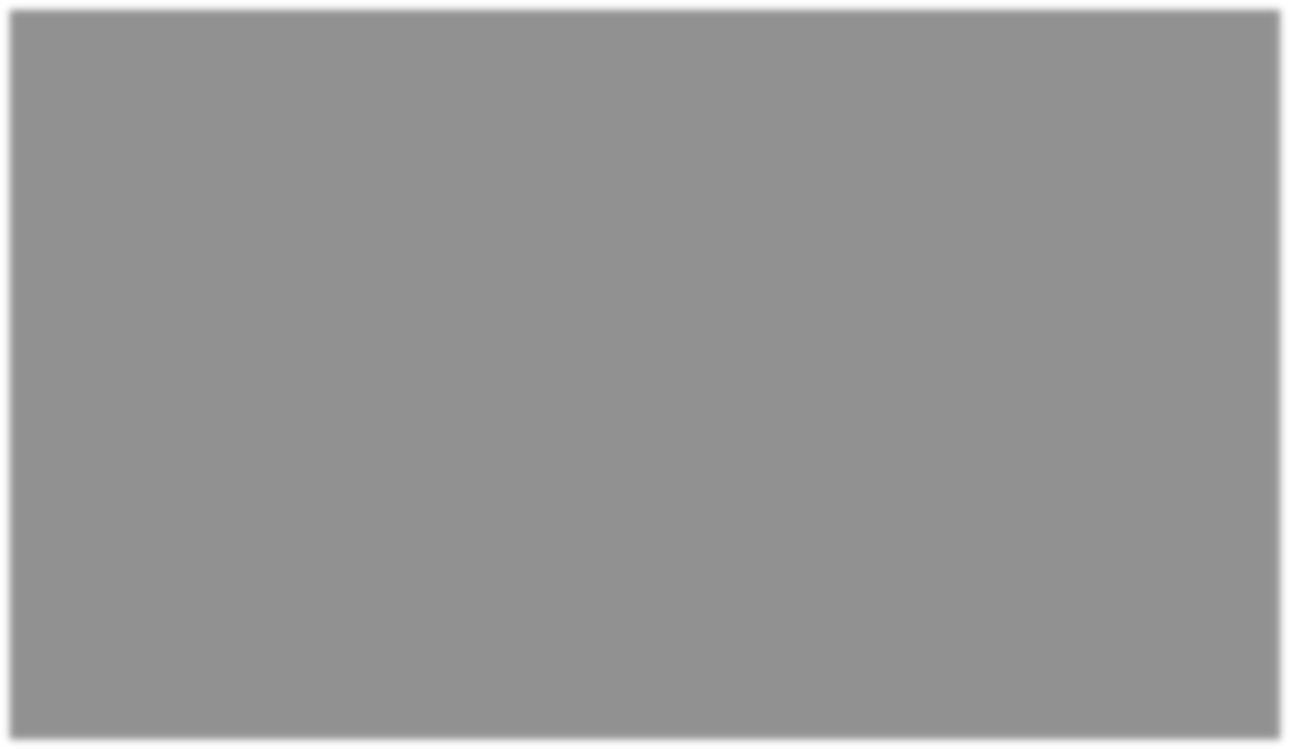
****

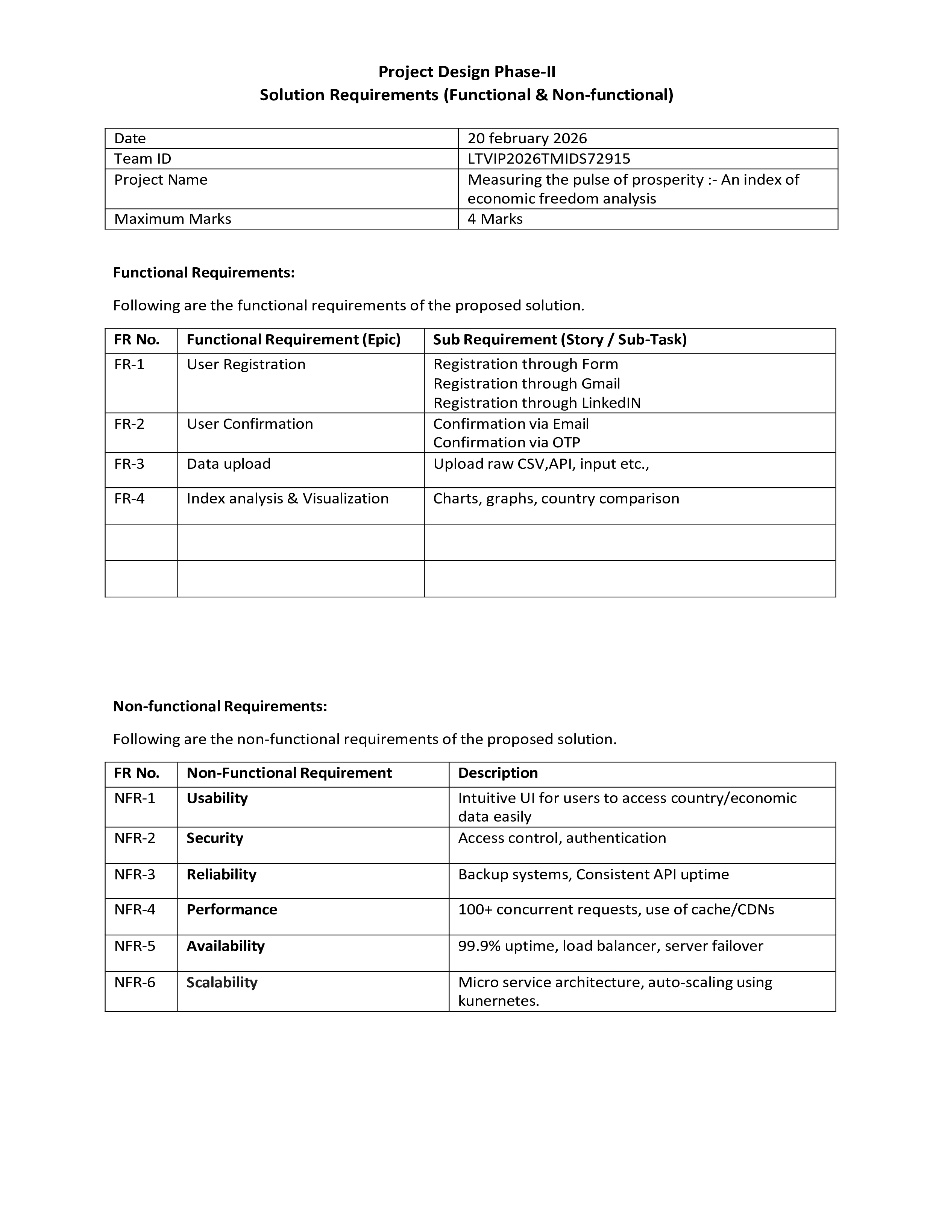
****

# REQUIREMENT ANALYSIS:-

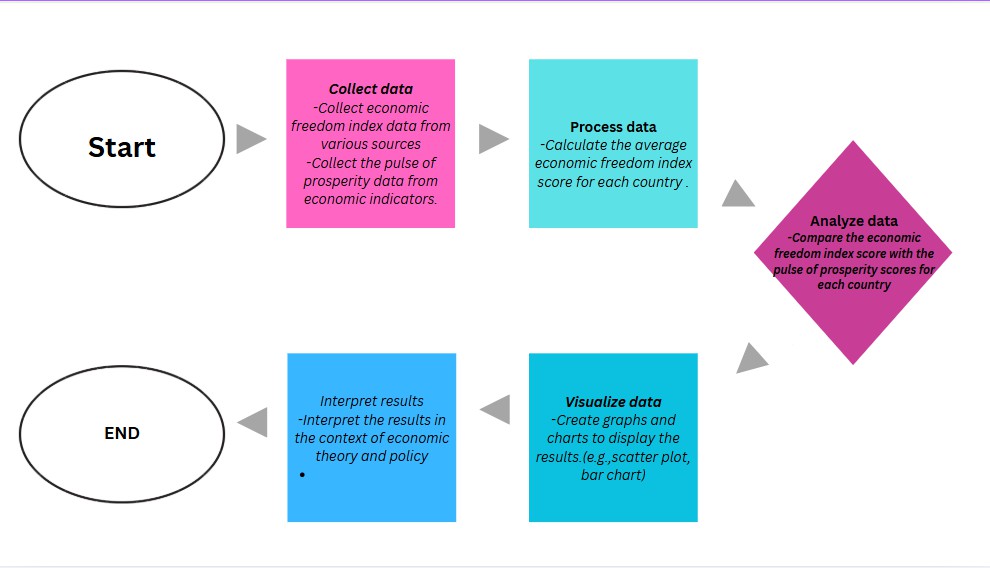
* 1. **Customer journey map:-**



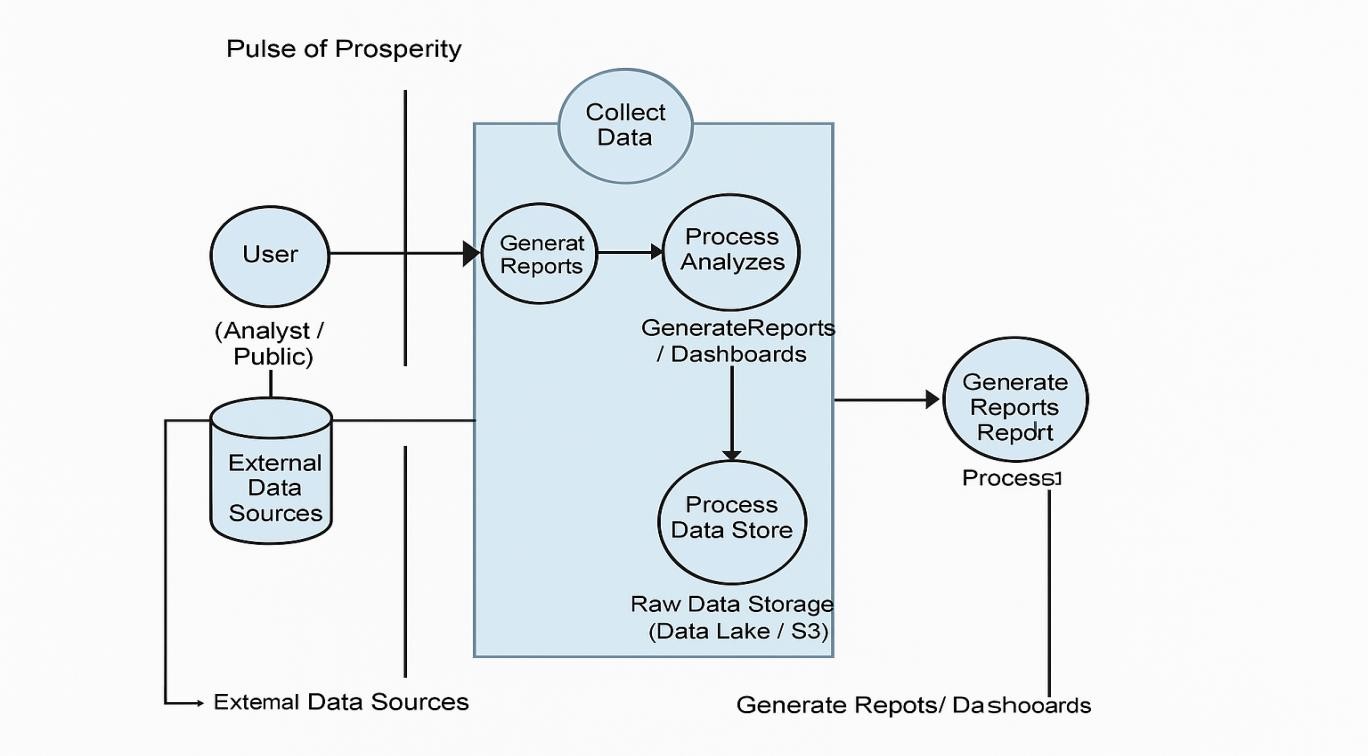
* 1. **Solution Requirements:-**

****

**3.3 Data Flow Diagram**

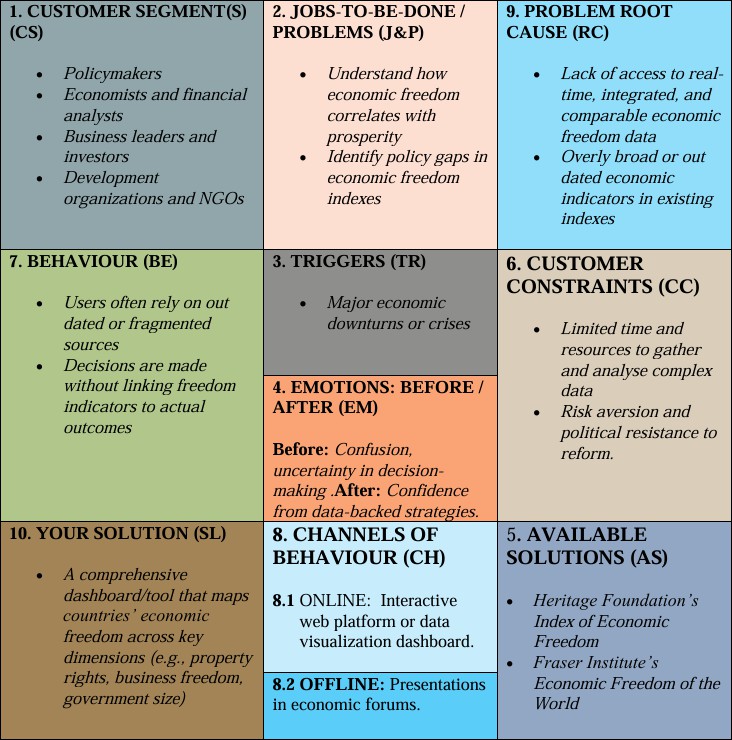


* 1. **Technology Stack:-**

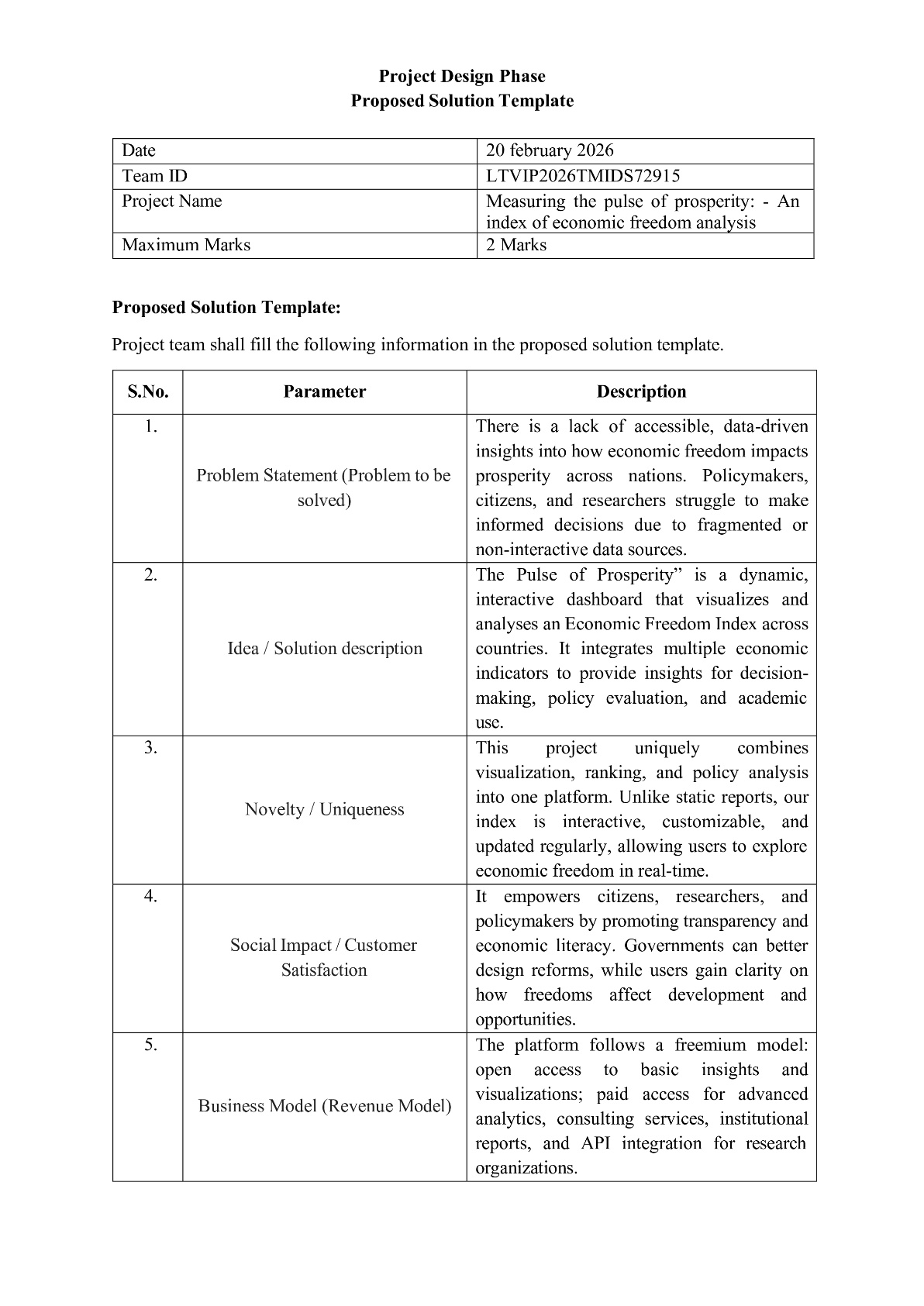


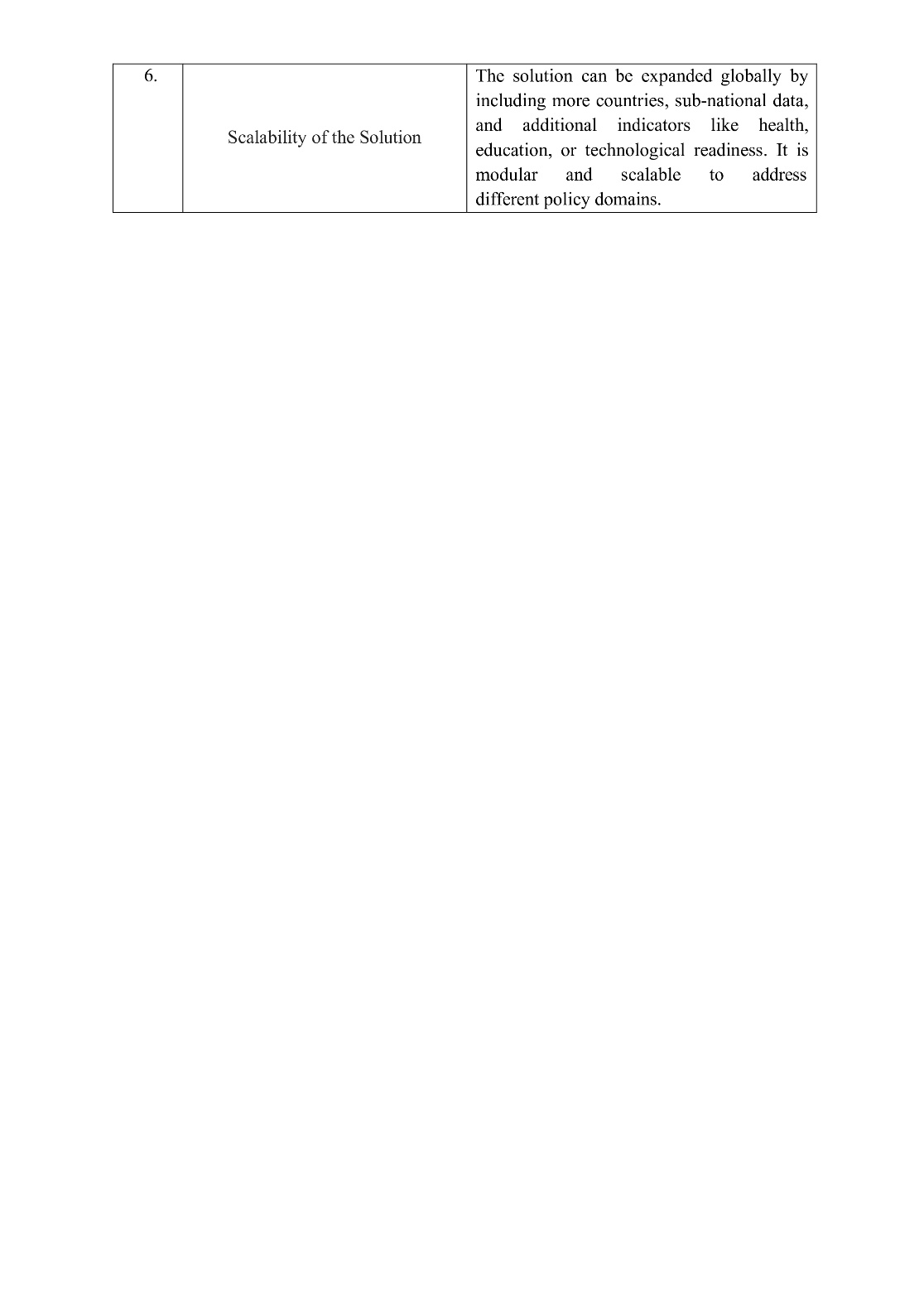
# PROJECT DESIGN:-

* 1. **Problem – Solution Fit:-**



* 1. **Proposed Solution:-**

****

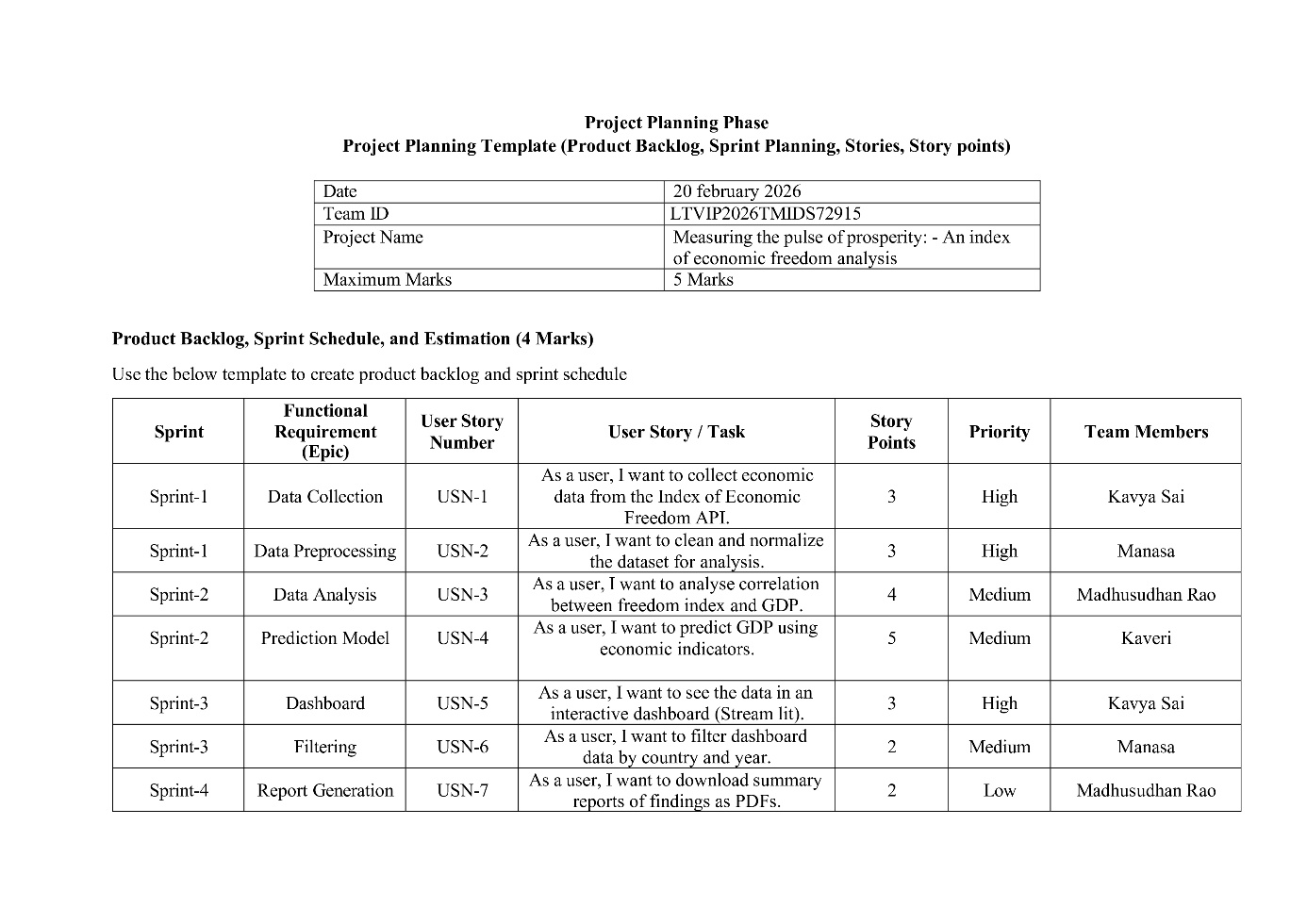
****

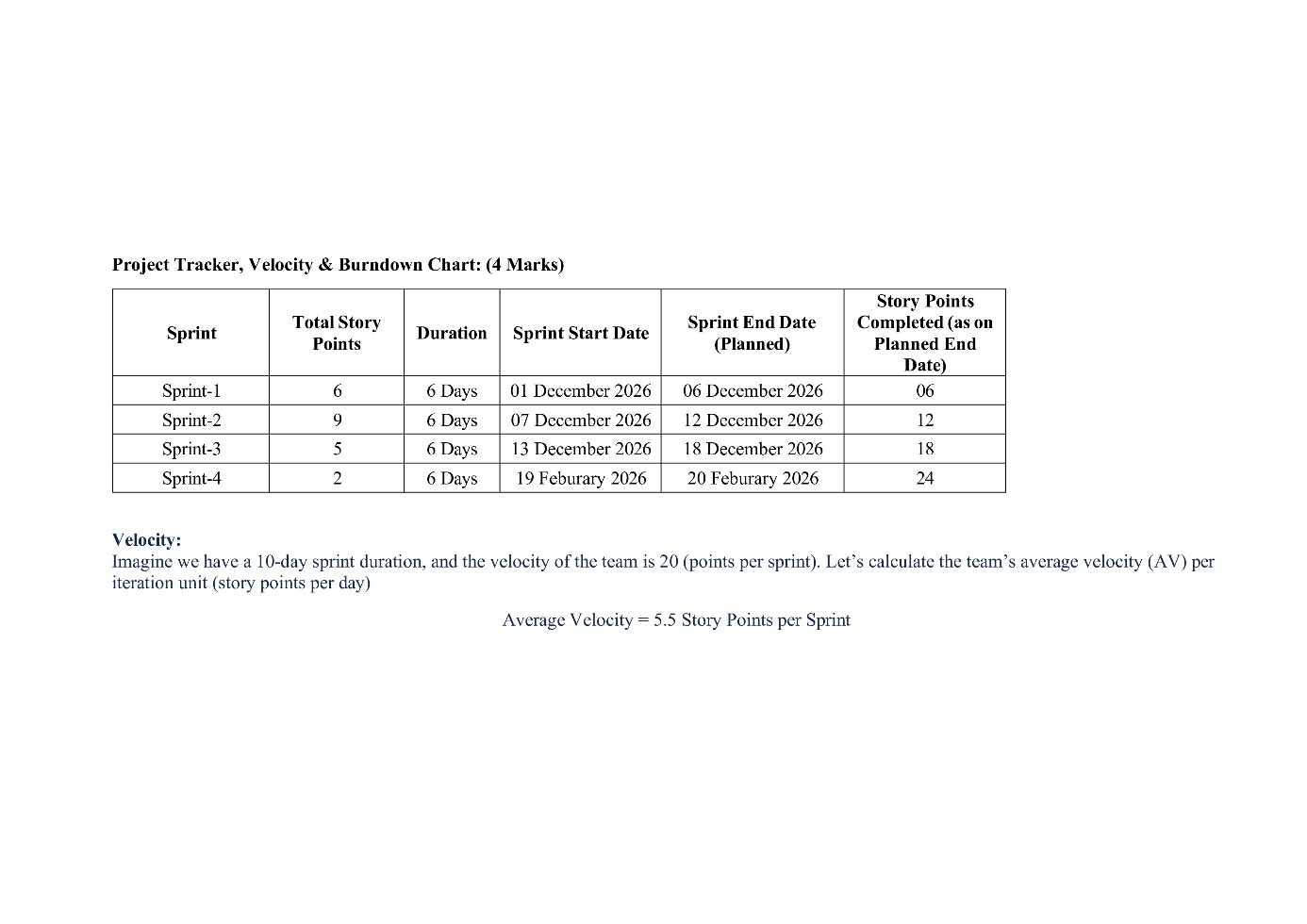
* 1. **Solution Architecture:-**

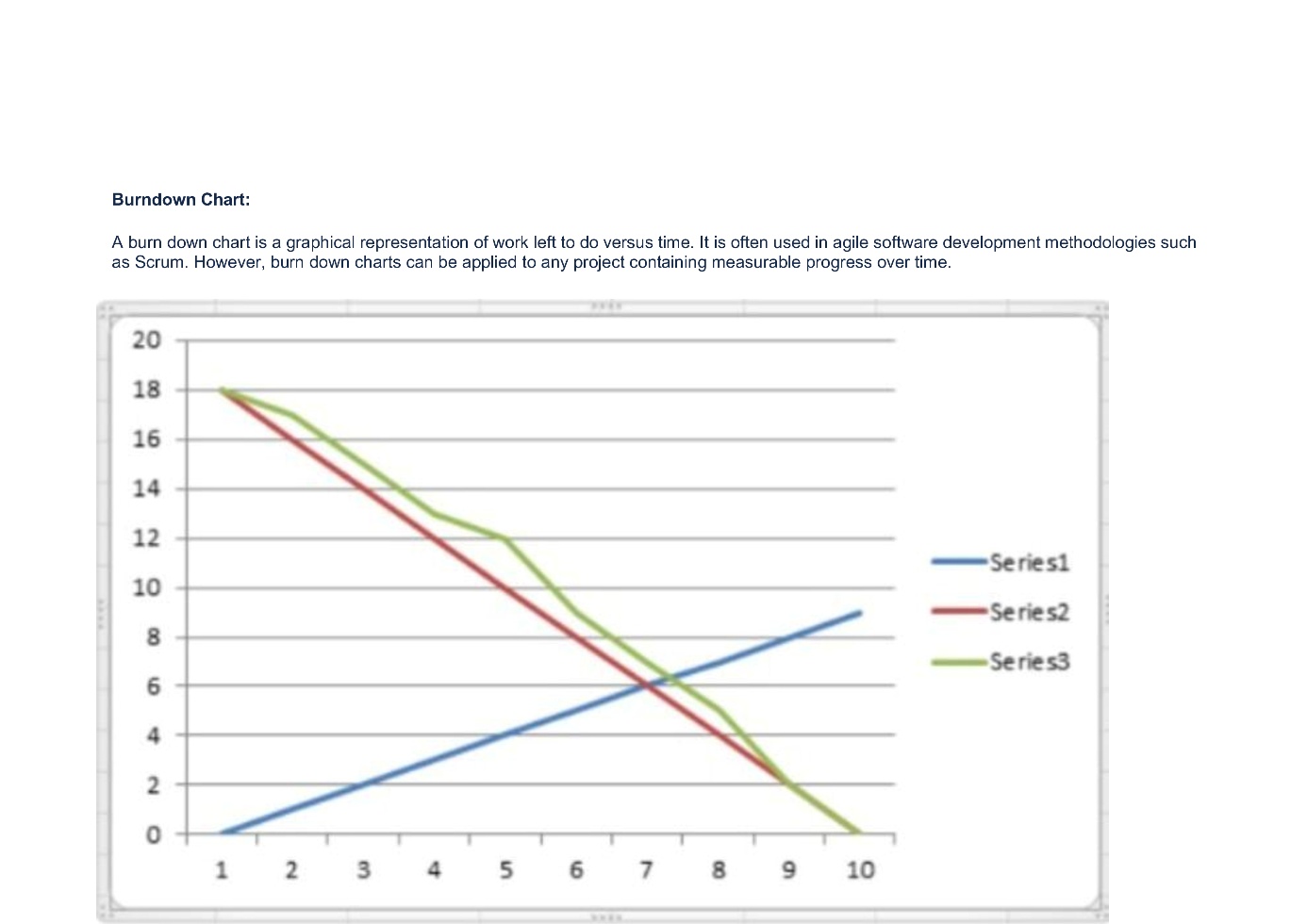
**

1. **PROJECT PLANNING & SCHEDULING:-**

**5.1 Project Planning**

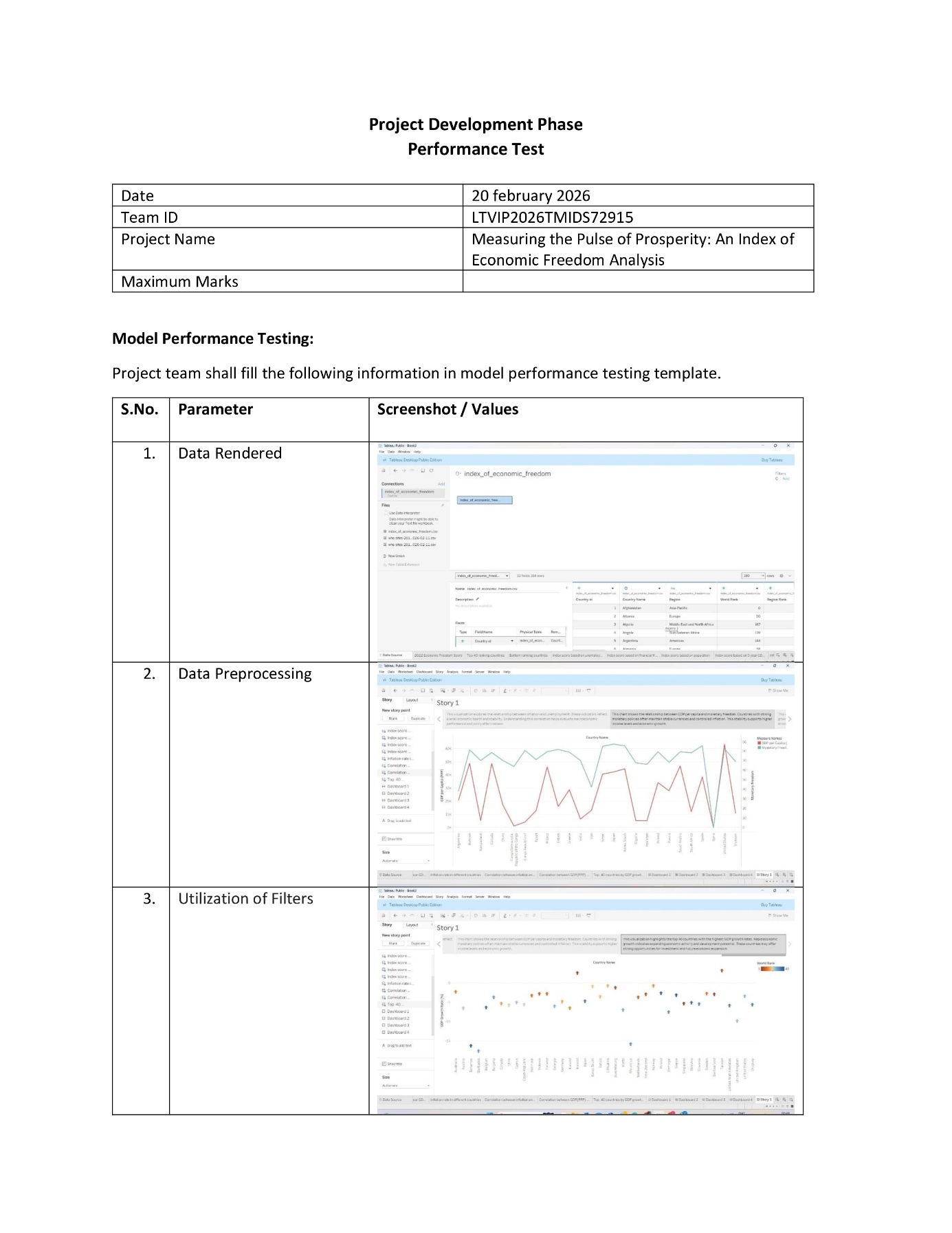
****

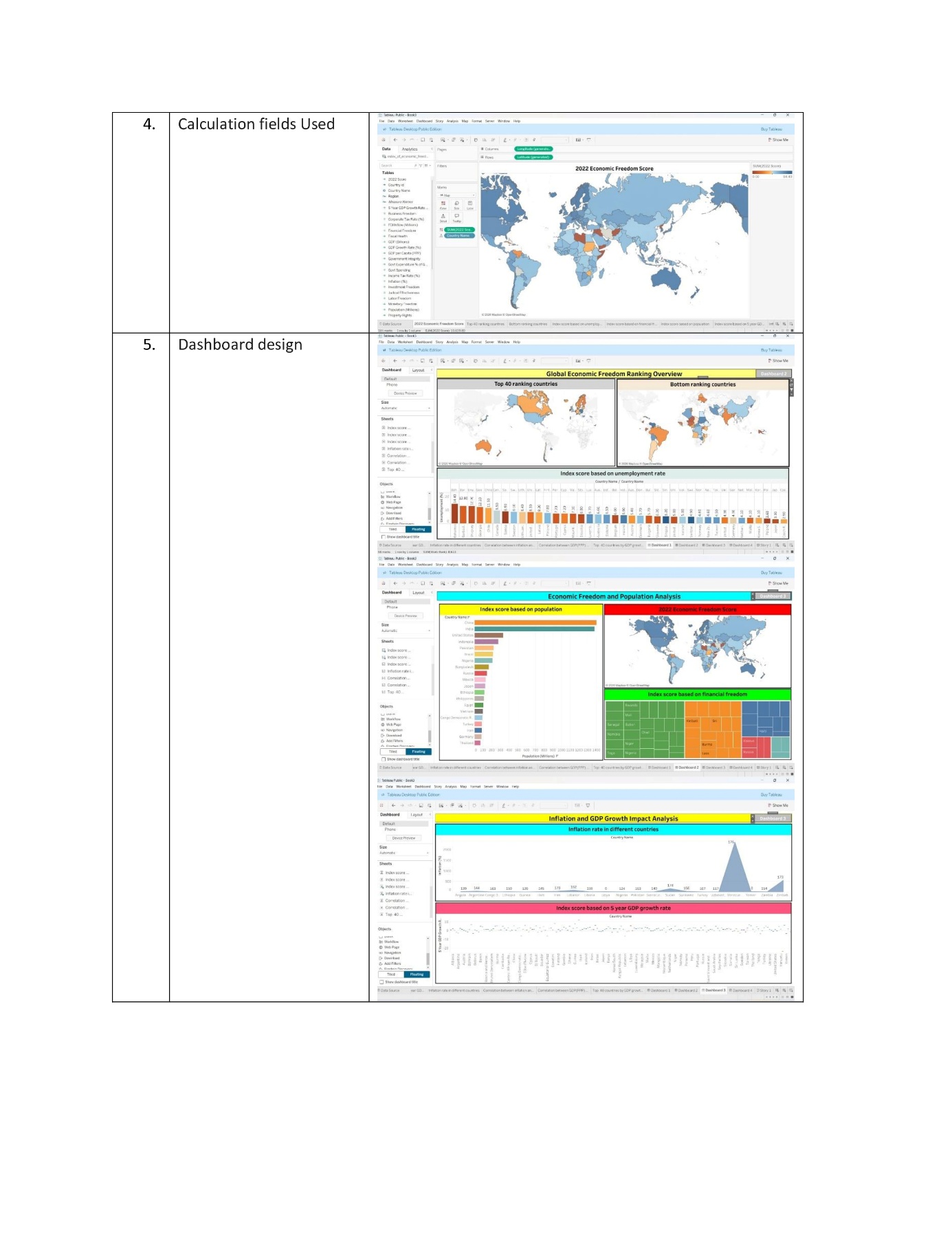
****

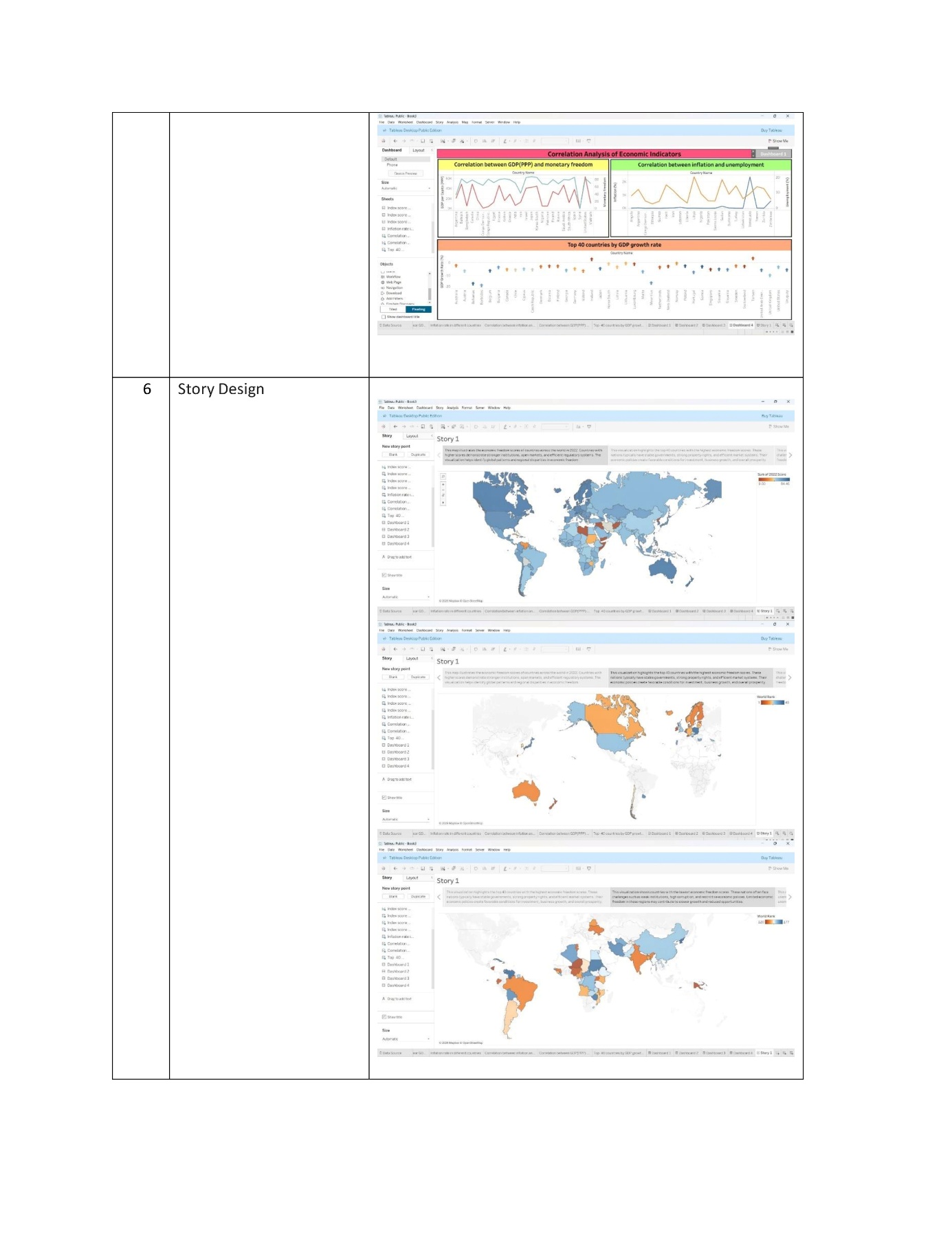
****

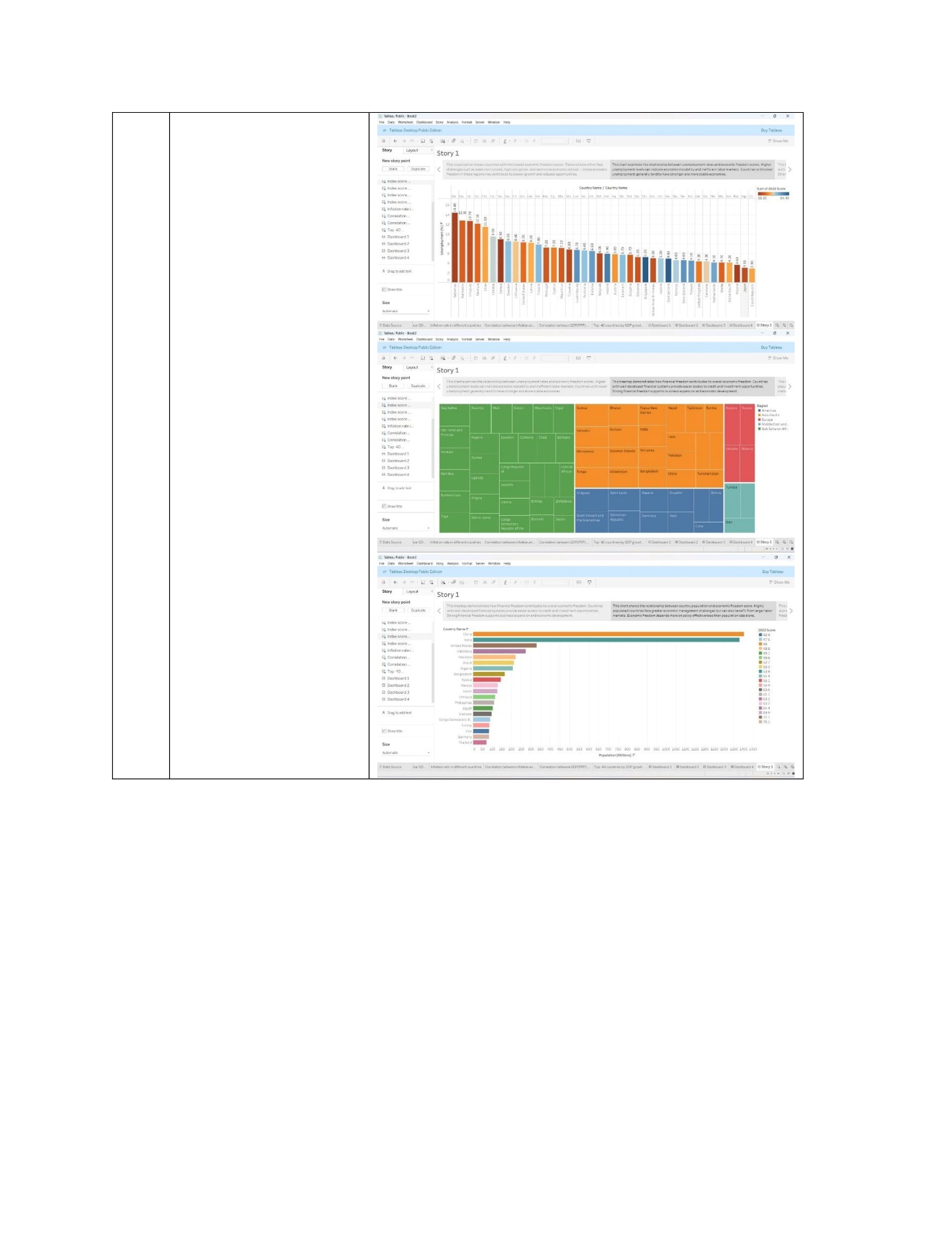
**6. FUNCTIONAL AND PERFORMANCE TESTING:-**

**6.1 Performance Testing**

****

****

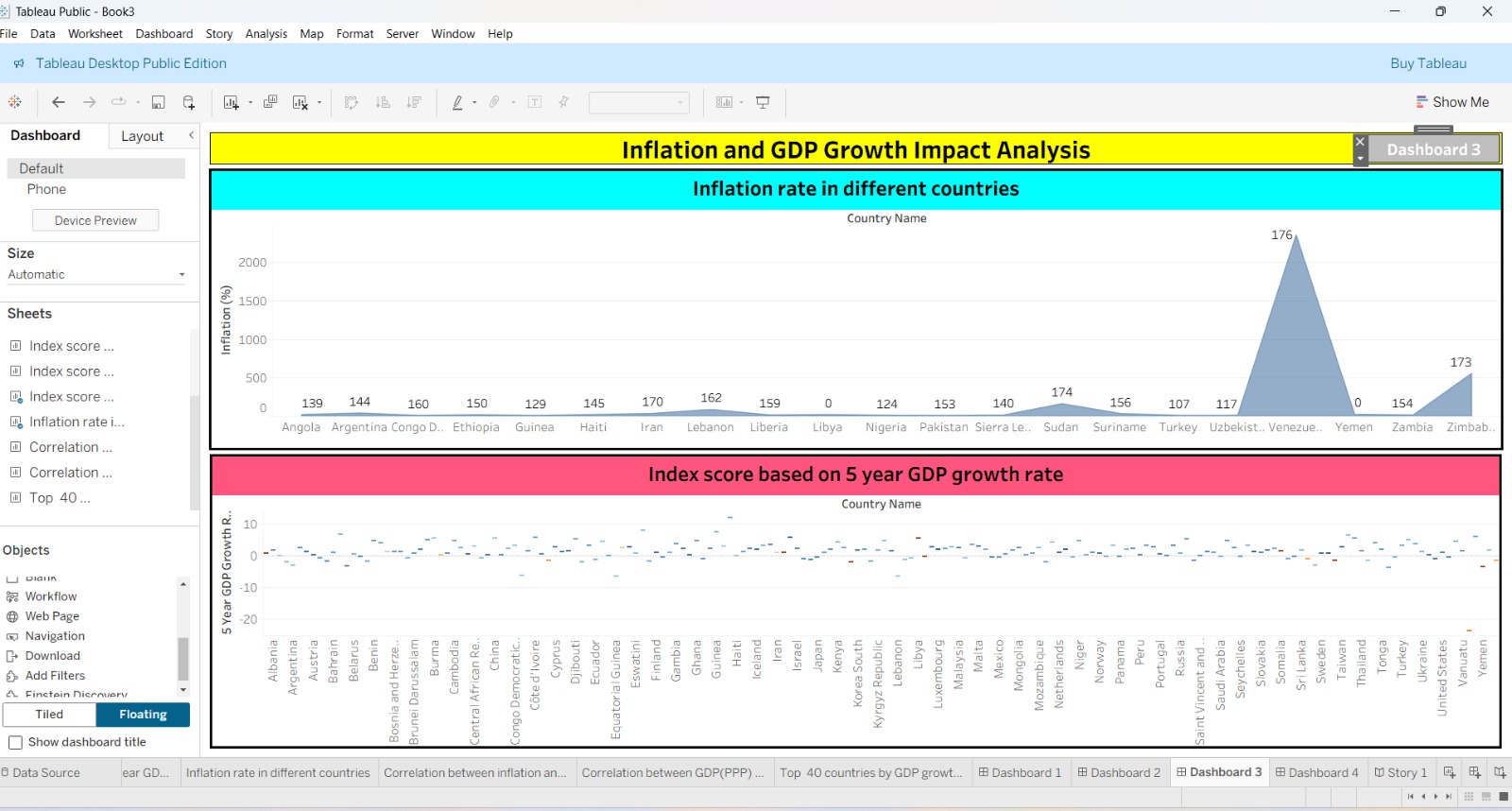
****

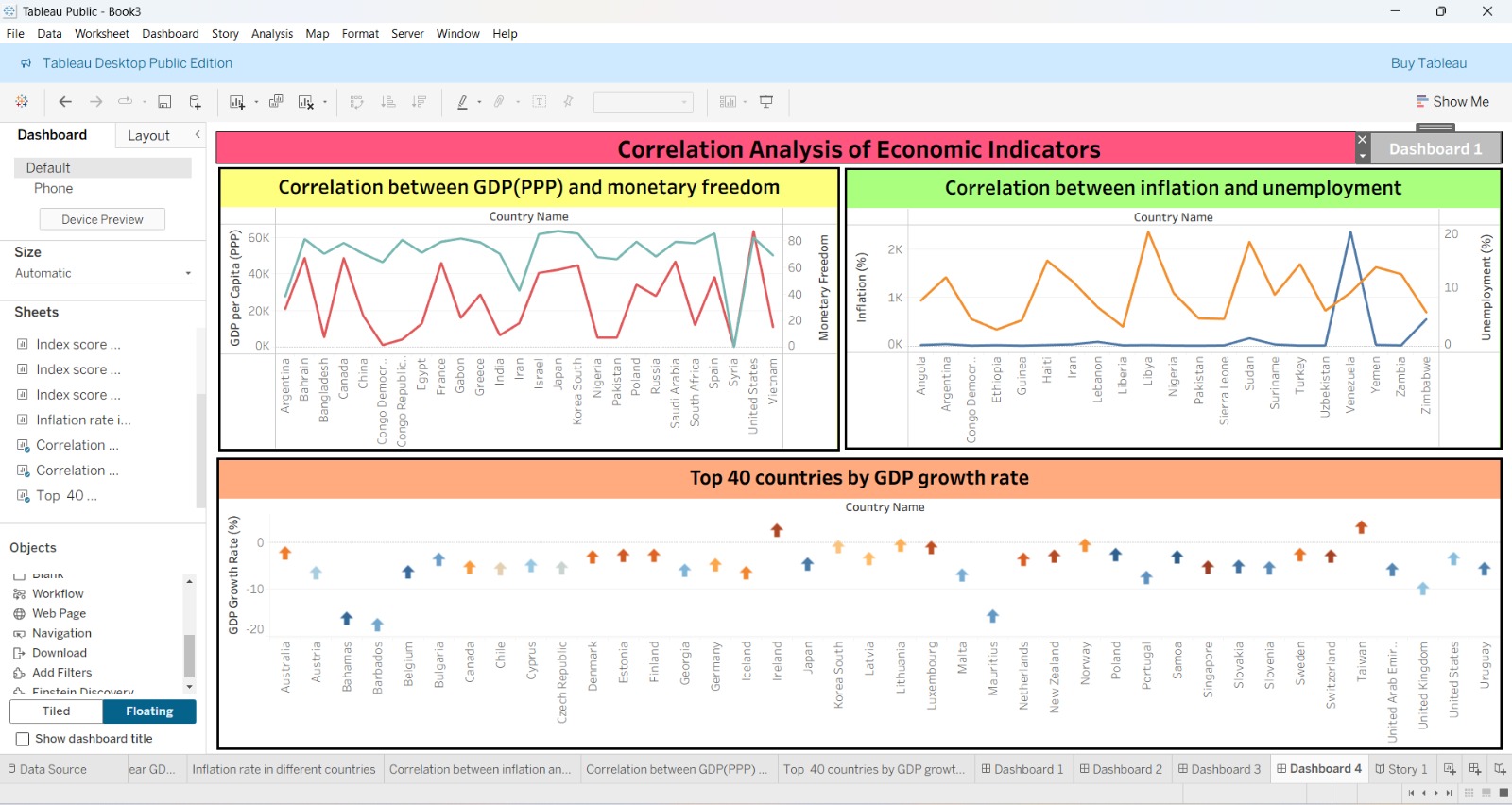
****

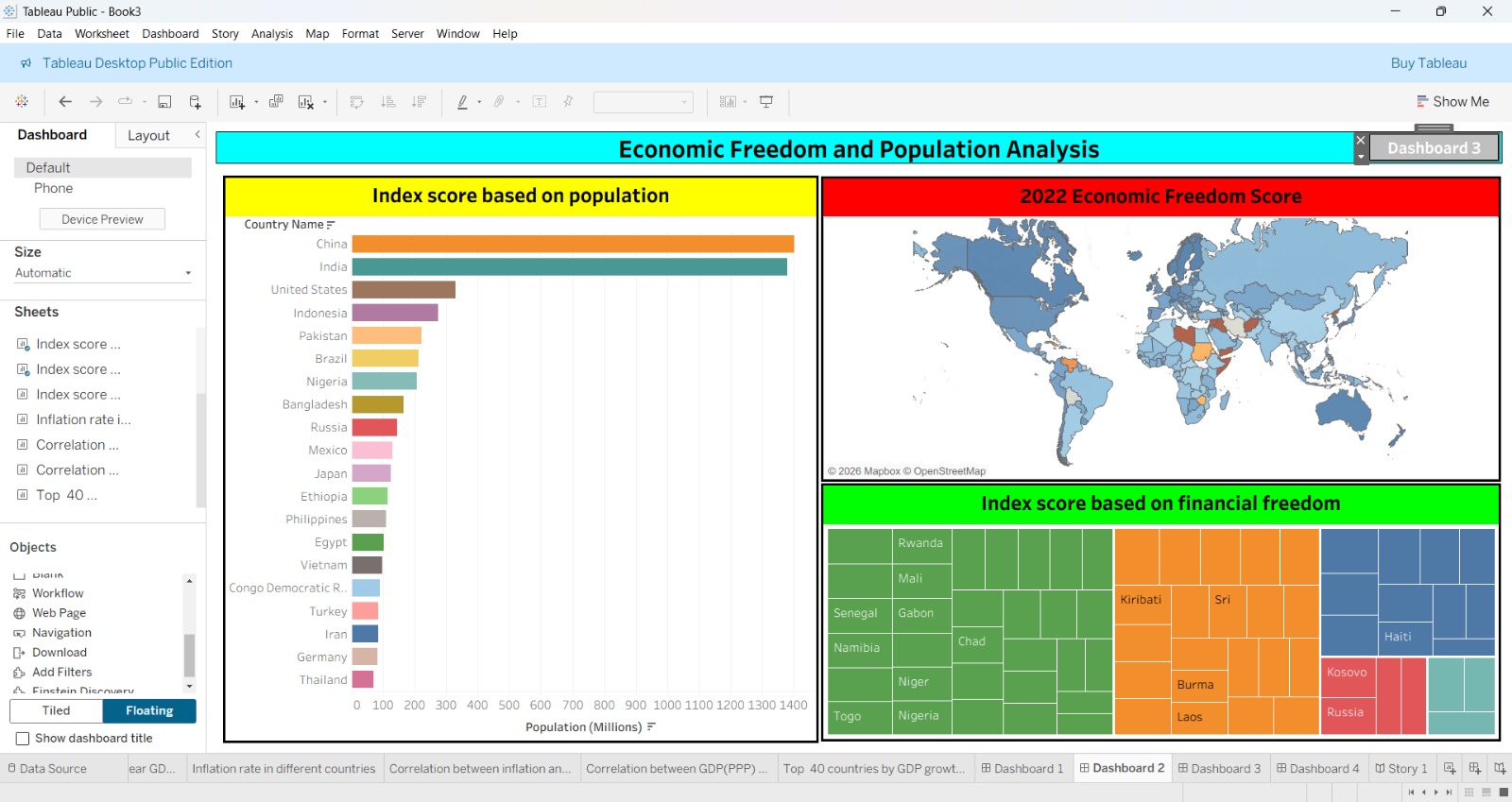
**7. RESULTS:-**

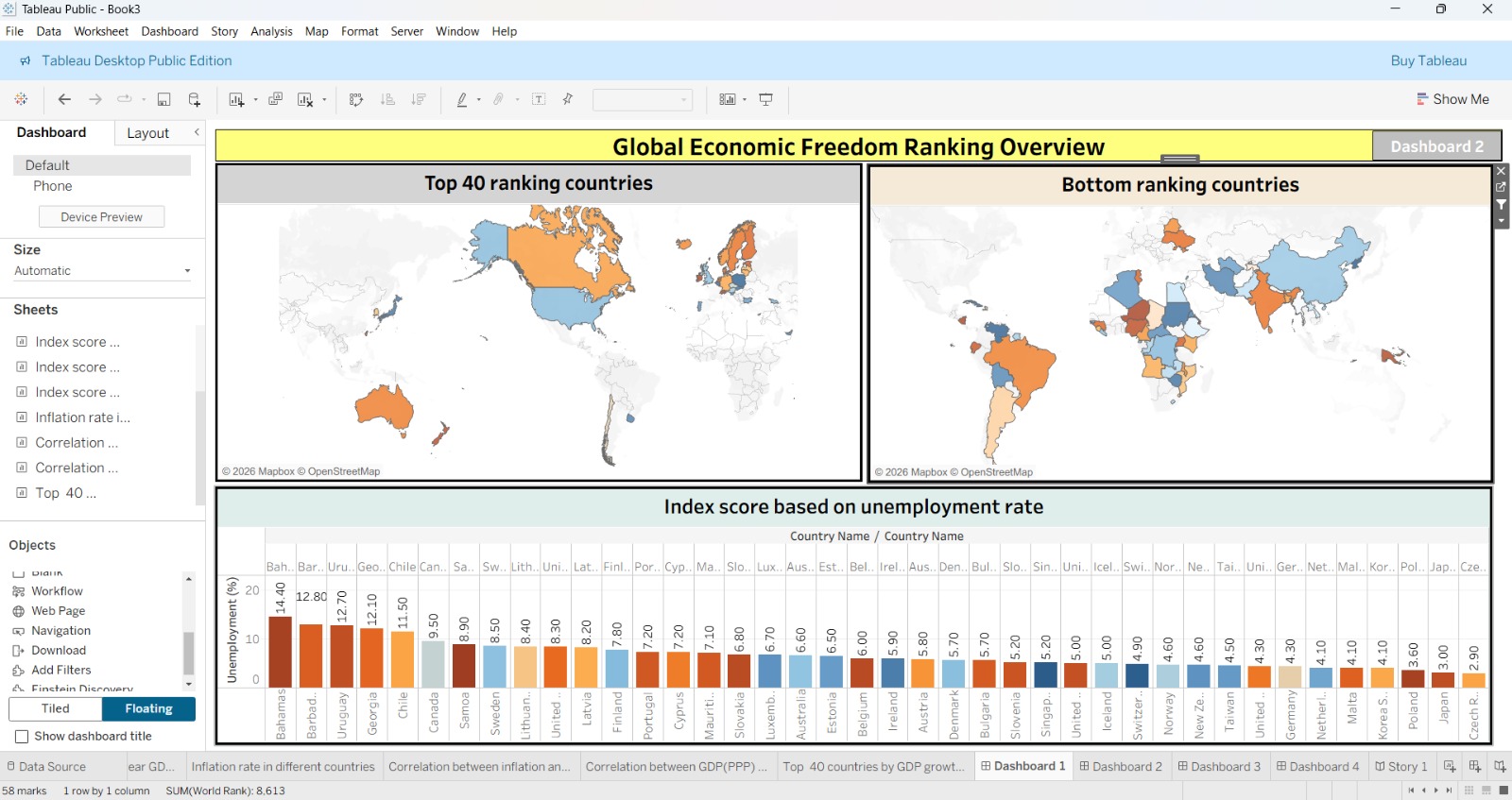
**7.1 Output Screenshots**

**Dashboards:-**

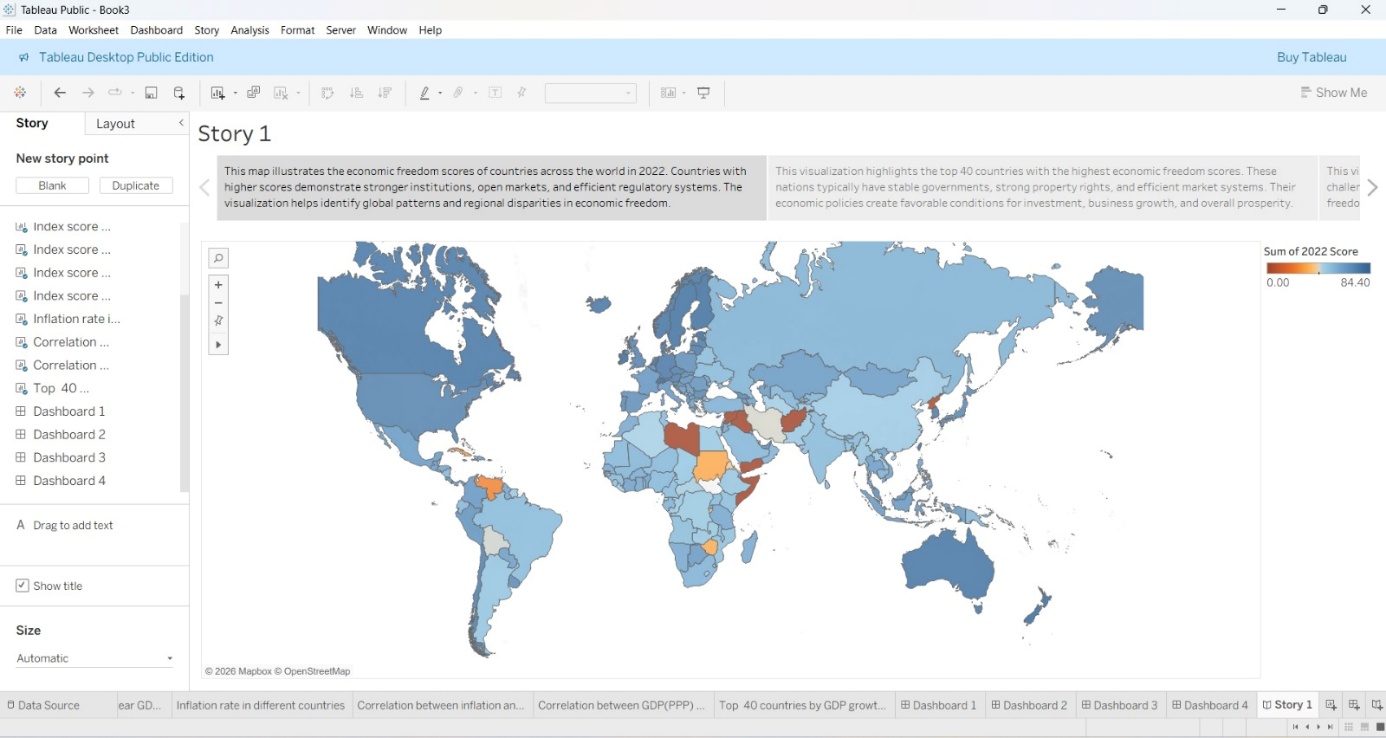
****

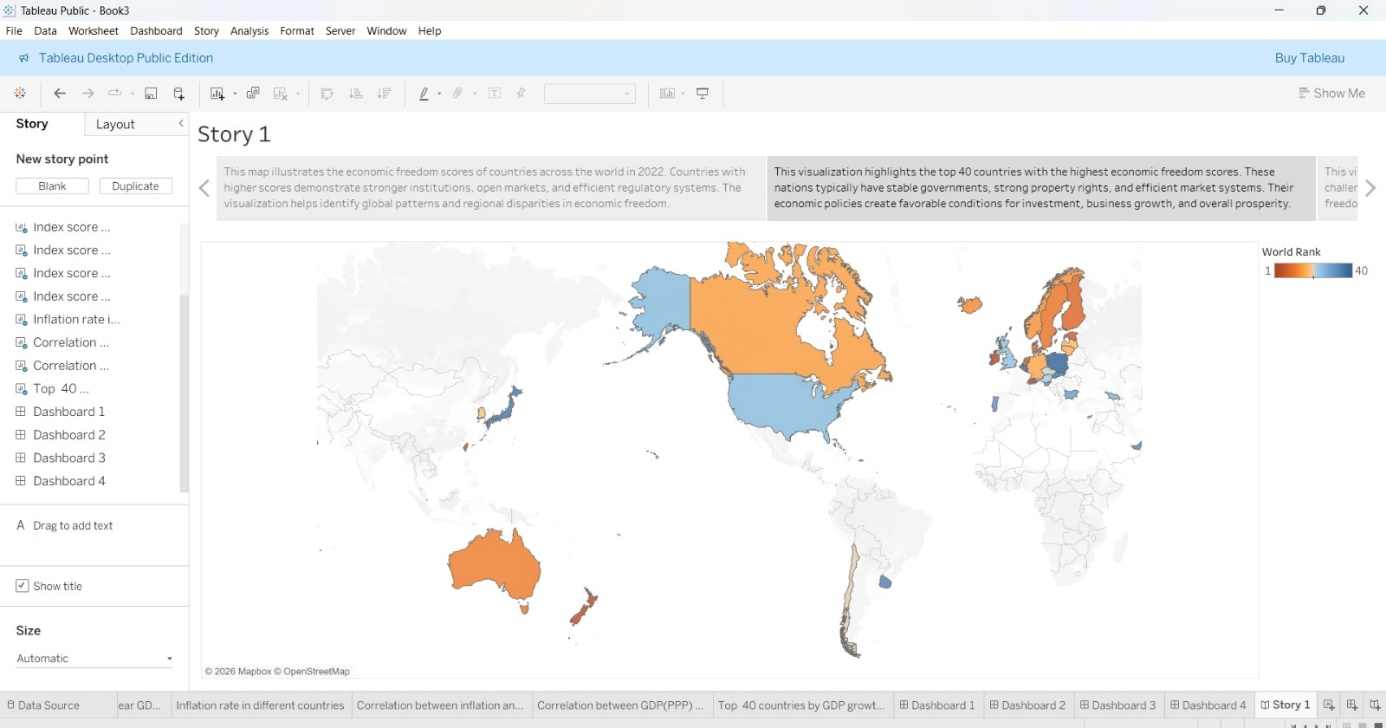
****

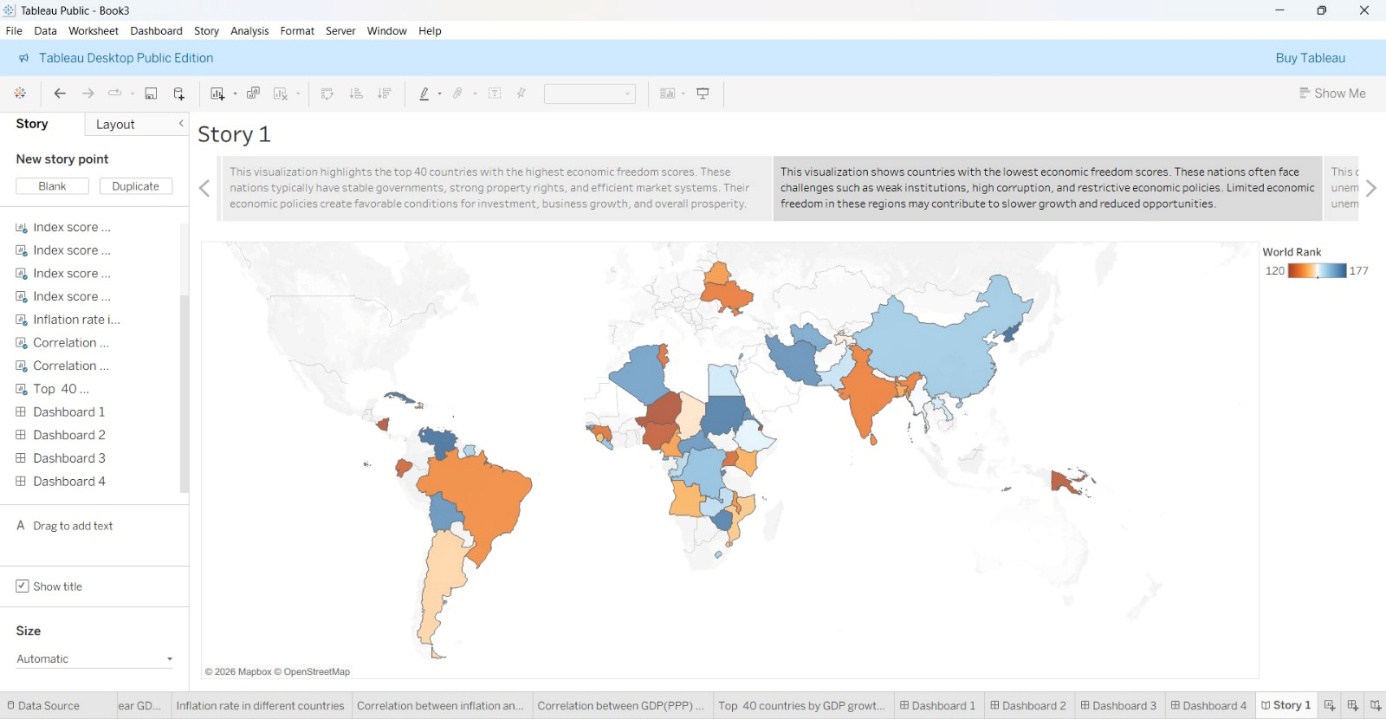
****

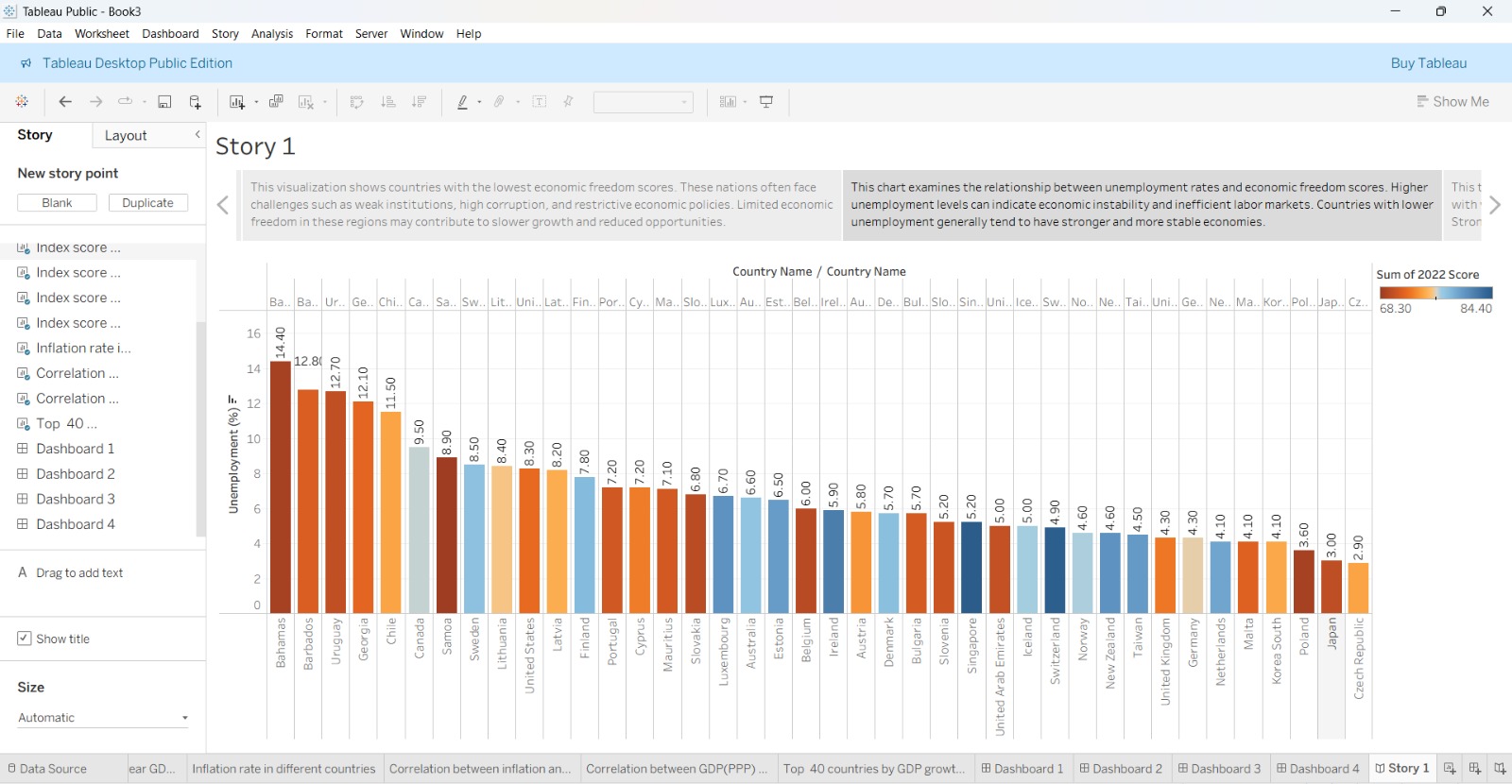
****

**Story boards:-**

****

****

****

****

****

**8. ADVANTAGES & DISADVANTAGES**

**Advantages:-**

✅ Interactive Visualizations: Users can explore data through filters, maps, and dashboards.

✅ Clear Comparison: Makes it easy to compare countries on different

economic indicators.

✅ Quick Insights: Saves time by summarizing complex data into visuals.

**Disadvantages***:-*

✅ Dependent on Data Quality: Errors in source data can affect the results.

✅ Performance Issues with Large Data: Tableau can be slow with very

large datasets.

✅ Limited Custom Logic: Complex logic or forecasting may require external tools.

✅ Requires Internet (for Cloud Access): Some dashboards need internet to

fetch live data.

**9. CONCLUSION**:-

The project "The Pulse of Prosperity: An Index of Economic Freedom Analysis" successfully uses Tableau to visualize key economic indicators across countries. It helps users understand how different nations perform in terms of….

# 10.FUTURE SCOPE:-

📊 Add Real-Time Data: Connect live economic data sources (like World Bank or IMF APIs) for real-time updates.

🌐 Include More Countries and Years: Expand the dataset to include more regions and historical data for deeper analysis.

Q Advanced Analysis: Use predictive models and machine learning for forecasting economic trends.

📱 Mobile-Friendly Dashboards: Optimize dashboards for use on mobile and tablets.

💬 User Feedback Integration: Add features for user comments or suggestions to improve insights.

**11. APPENDIX:-**

* **Dataset link:-**
  + - [https://drive.google.com/file/d/1EBIa1LtM3Ni2Uh3nekLB6wt3263Q3NeX/vi](https://drive.google.com/file/d/1EBIa1LtM3Ni2Uh3nekLB6wt3263Q3NeX/view?usp=share_link) [ew?usp=share\_link](https://drive.google.com/file/d/1EBIa1LtM3Ni2Uh3nekLB6wt3263Q3NeX/view?usp=share_link)
* **Tableau public Demo link:-**
* [**https://public.tableau.com/app/profile/kavya.sai2827**](https://public.tableau.com/app/profile/kavya.sai2827)

* **Video Demo Link:-**

* *Measuring the pulse of prosperity: An Index of economic freedom analysis*
* [**https://drive.google.com/file/d/112EatZxl8xNVBg7Rv3CFDZ24hE3VNrix/view?usp=drivesdk**](https://drive.google.com/file/d/112EatZxl8xNVBg7Rv3CFDZ24hE3VNrix/view?usp=drivesdk)