

Solution Requirements

Date	31 January 2026
Team ID	LTVIP2026TMIDS24940
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	4 Marks

Functional Requirements

- Load the Index of Economic Freedom dataset into Tableau successfully.
- Perform data cleaning and prepare fields for visualization.
- Categorize economic indicators into economic freedom factors and economic performance factors.
- Create multiple analytical visualizations (scatter plots, bar charts, heatmaps, and maps).
- Provide country comparison using filters and selection tools.
- Display the relationship between Economic Freedom Score and GDP per capita.
- Identify top-performing and low-performing countries.
- Provide regional filtering (continent/region wise analysis).
- Create a Tableau dashboard integrating all visualizations.
- Create a Tableau Story explaining analytical insights.
- Publish the dashboard and story using Tableau Public.

Non-Functional Requirements

- Dashboard must be easy to understand for non-technical users.
- Charts must be properly labeled and readable.
- Filters should update visualizations smoothly.
- System should work on a standard laptop without high-end hardware.
- Tableau Public dashboard should be accessible via internet browser.

Performance Requirements

- Dashboard should load within 3–5 seconds.
- Filters should respond quickly to user interactions.
- Charts should update without freezing or crashing.
- The system should support analysis of all countries simultaneously.

Security Requirements

- The dataset must not contain personal or sensitive data.
- The published dashboard should be safe for public viewing.
- Users should only view data and not modify the dataset.