

## 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.
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### 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.
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### 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.
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### 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.