

Project Design Phase-II

Data Flow Diagram & User Stories

Date	13 February 2026
Team ID	LTVIP2026TMIDS85861
Project Name	Measuring The Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	4 Marks

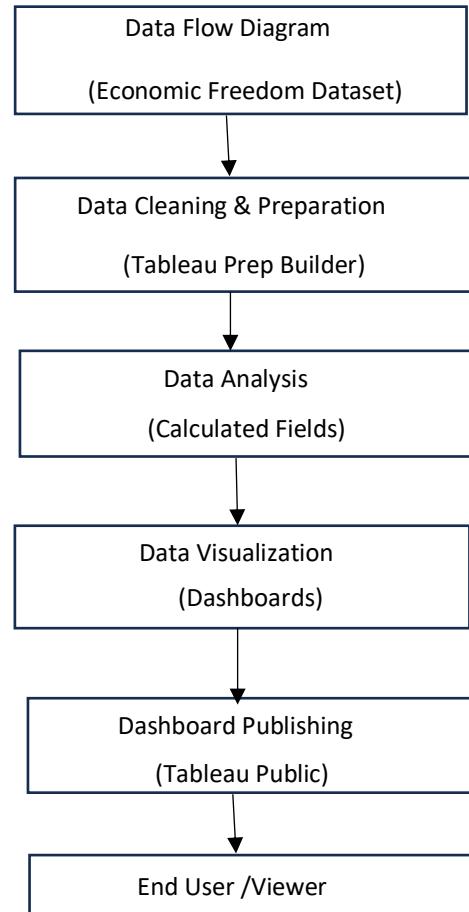
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example:

The Data Flow Diagram illustrates how raw economic freedom data flows through cleaning, analysis, visualization, and publishing stages before being presented to end users.

The User Stories define system functionality from the perspectives of Data Analysts and Dashboard Viewers, ensuring the project meets both analytical and presentation requirements.



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data Analyst	Data Import	USN-01	As a Data Analyst, I want to import the Economic Freedom dataset so that I can begin analysis.	Dataset loads without errors and all columns are visible.	High	Sprint 1
Data Analyst	Data Cleaning	USN-02	As a Data Analyst, I want to clean missing and inconsistent values so that analysis is accurate.	Null values handled and correct data types assigned.	High	Sprint 1
Data Analyst	Calculated Fields	USN-03	As a Data Analyst, I want to create calculated fields for averages and rankings so that I can compare countries.	Calculations produce correct numerical outputs.	High	Sprint 1
Data Analyst	Trend Analysis	USN-04	As a Data Analyst, I want to analyze economic freedom trends over years.	Line chart correctly displays year-wise trends.	Medium	Sprint 1
Dashboard Viewer	Country Comparison	USN-05	As a Viewer, I want to compare countries based on scores so that I can identify high-performing economies	Bar chart displays country comparison clearly	High	Sprint 2
Dashboard Viewer	Interactive Filtering	USN-06	As a Viewer, I want to filter data by year or region so that I can focus on specific data.	Filters dynamically update dashboard	High	Sprint 2
Dashboard Viewer	Geographic Visualization	USN-07	As a Viewer, I want to see data on a world map so that I can understand regional performance.	Map displays countries with correct score coloring.	Medium	Sprint 2
Project Reviewer	Dashboard Publishing	USN-08	As a Reviewer, I want the dashboard to be accessible online so that it can be evaluated.	Dashboard successfully published on Tableau Public.	High	Sprint 3
Project Reviewer	Report Export	USN-09	As a Reviewer, I want insights exported for documentation purposes.	Insights are downloadable as PDF/Image.	Medium	Sprint 3