

Project Design Phase-II
Data Flow Diagram & User Stories

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

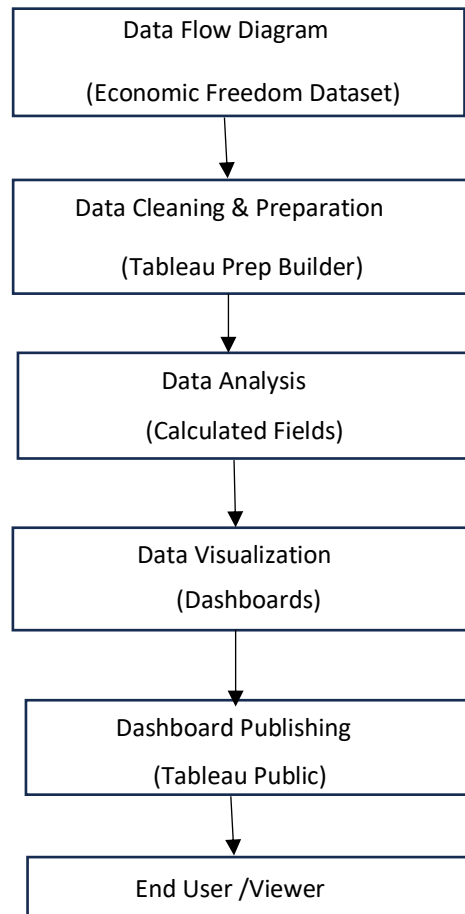
Data Flow Diagrams:

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 |