

Data Flow Diagram & User Stories

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Team ID: LTVIP2025TMID50492

Project Name: Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis

Maximum Marks: 4 Marks

Data Flow Diagrams (DFD)

A Data Flow Diagram (DFD) represents how data flows within the system for analyzing and visualizing the Economic Freedom Index through a Tableau-based dashboard.

DFD - Level 0 (Context Diagram)

[User] -----> [Economic Freedom Analysis System] <-----> [Data Source (Economic Freedom Index, World Bank, etc.)]

DFD - Level 1 (Simplified Breakdown)

[User]
|
|---> View Dashboard ---> [Visualization Module] ---> Displays Interactive Charts
|
|---> Apply Filters ---> [Filter Module] ---> Shows Filtered Data
|
|---> Export Data ---> [Export Module] ---> Generates Report

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority & Release
Student / Researcher	Access Dashboard	USN-1	As a user, I can access the Economic Freedom dashboard to explore country-wise and indicator-wise data.	I can successfully open and interact with the dashboard.	High Sprint-1
Student / Researcher	Data Filtering	USN-2	As a user, I can apply filters based on region,	Filtered data displays correctly based on	High Sprint-1

			year, or economic indicators to refine the data.	selection.	
Student / Researcher	View Insights	USN-3	As a user, I can view summary insights and key takeaways from the data visualizations.	Summary insights appear clearly below the charts.	Medium Sprint-2
Student / Researcher	Export Data	USN-4	As a user, I can export visualizations and data reports for use in academic work or presentations.	Exported files download successfully in PDF/Excel format.	Medium Sprint-2
Policymaker	Regional Comparison	USN-5	As a policymaker, I can compare Economic Freedom Index values across different regions or states.	Comparison charts display correctly for selected regions.	High Sprint-1
Policymaker / Researcher	Interpret Trends	USN-6	As a user, I can observe trends and patterns over time in Economic Freedom Index values.	Trend lines and time-series data are displayed accurately.	High Sprint-2
Administrator	Data Update	USN-7	As an admin, I can update the Economic Freedom dataset in the backend to reflect the latest information.	Updated data reflects correctly in the dashboard.	High Sprint-3

