

## Project Design Phase Solution Architecture

Date	23 june 2025
Team ID	LTVIP2025TMID49638
Project Name	Measuring the pulse of Prosperity: An index of economic freedom analysis
Maximum Marks	

### Solution Architecture:

The solution architecture for the project “Measuring the Pulse of Prosperity” begins with collecting data from trusted global sources like the Index of Economic Freedom, World Bank, and IMF, using formats such as CSV or APIs. ABLY is used to connect and sync these data sources in real-time or at intervals. The collected data is then cleaned, transformed, and structured using tools like Excel or Python, forming the data spread. This processed data is connected to Tableau through direct connectors or via ABLY, enabling visualization. In Tableau, various charts such as bar, line, and map visualizations are created to represent relationships between economic freedom and indicators like GDP or HDI. These visualizations are then combined into interactive dashboards and insightful storyboards. Finally, the dashboards are published on Tableau Public and integrated into a web application using HTML or Flask, completing the cycle from data to public-facing insights.

### Example - Solution Architecture Diagram:

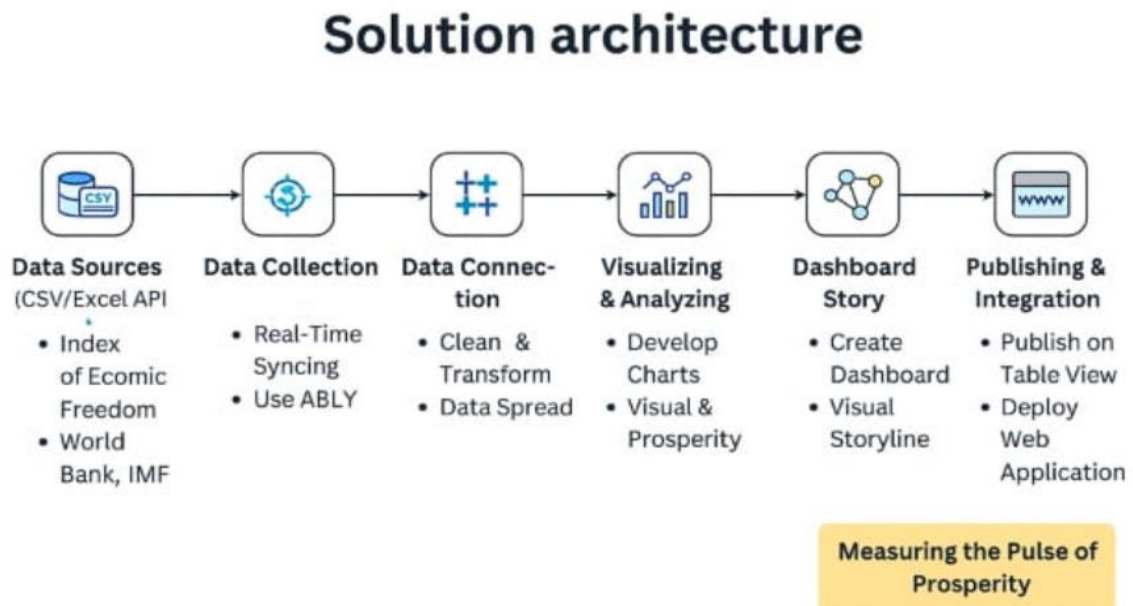


Figure 1: Architecture and data flow of the measuring the pulse of prosperity