Project Plan: Measure the Pulse of Prosperity – An Index of Economic Freedom Analysis

Agile Planning Terminology

Sprint: A fixed duration (usually 5 days) during which the team completes a set of predefined tasks.

Epic: A large body of work or major project component too big for a single sprint. It is divided into smaller tasks (Stories).

Story: A smaller, actionable task that forms part of an Epic.

Story Point: A numerical estimate (often based on the Fibonacci sequence) representing the effort required to complete a Story.

Story Point Difficulty Levels:

- Very Easy Task

- Easy Task

- Moderate Task

- Difficult Task

Sprint Plan

Sprint 1: Data Preparation (Duration: 5 Days)
Epic: Data Collection and Preprocessing

Task	Description	Story Points
Data Collection	Collection of Economic Freedom and related indicators data	2
Data Loading	Importing data into analytical environment	1
Handle Missing Values	Cleaning missing or null entries in dataset	3
Handle Categorical Values	Encoding categorical variables (if any)	2

Sprint 1 Total: 8 Story Points

Sprint 2: Model Development & Deployment (Duration: 5 Days)

Epic: Modeling & Visualization

Task	Description	Story Points
Model Building	Constructing the index using selected methodology (e.g., weighted scoring or ML)	5
Model Testing	Validating results and performance	3
HTML Pages	Designing front-end visuals to display results	3
Flask Deployment	Deploying the project using Flask framework	5

Sprint 2 Total: 16 Story Points

Velocity Calculation

Total Story Points = Sprint 1 (8) + Sprint 2 (16) = 24

Total Sprints = 2

Velocity = Total Story Points / Number of Sprints = 24 / 2 = 12 Story Points per Sprint

This plan provides a structured and measurable approach to executing the project, allowing the team to track progress and deliver efficiently using Agile methodology.