Sprint Planning, Story Points & Velocity for Power BI Inflation Analysis

Based on your **"Power BI Inflation Analysis – Journeying Through Global Economic Terrain"** project, here is the sprint breakdown, story points, and velocity calculation.

Sprint Breakdown & Story Points Assignment

Sprint 1: (5 Days) – Data Collection & Preprocessing

Data Collection

Connecting to APIs (IMF, World Bank, OECD) **(2 Story Points – Easy Task)**

Importing historical inflation data **(1 Story Point – Very Easy Task)**

Data Preprocessing

Handling missing values in financial datasets **(3 Story Points – Moderate Task)**

Cleaning & normalizing inflation data **(2 Story Points – Easy Task)**

✅ **Total Story Points for Sprint 1: 8**

Sprint 2: (5 Days) – Model Building & Deployment

Model Building

Implementing inflation forecasting model (ARIMA, LSTM, Prophet) **(5 Story Points – Difficult Task)**

Testing accuracy of forecasting models **(3 Story Points – Moderate Task)**

Deployment

Designing Power BI dashboards (charts, filters, KPI cards) **(3 Story Points – Moderate Task)**

Deploying Power BI reports & API integration **(5 Story Points – Difficult Task)**

✅ **Total Story Points for Sprint 2: 16**

Velocity Calculation

Formula:

$$\text{Velocity} = \frac{\text{Total Story Points Completed}}{\text{Number of Sprints}}$$

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

Number of Sprints = **2**

Velocity = **24/2 = 12 Story Points per Sprint**

Final Summary

✅ **Sprint 1** focuses on **data collection and preprocessing** for inflation analysis.
✅ **Sprint 2** covers **model building and deployment**, ensuring **AI-driven forecasting** and **interactive dashboards**.
✅ The **team's velocity is 12 Story Points per Sprint**, meaning future sprints can be planned accordingly.

Would you like to add a **Sprint 3 for advanced analytics or dashboard enhancements?**