

Agile Sprint Planning and Velocity Report

Terminology

- **Sprint:** A fixed time period (e.g., 5 days) during which a team completes a set of tasks.
- **Epic:** A large-scale project or major feature that is broken down into smaller user stories.
- **Story:** A specific task that contributes to the completion of an epic; small enough to be completed within a sprint.
- **Story Points:** A numerical estimation (often based on the Fibonacci series) representing the effort required to complete a story.
 - 1 – Very Easy
 - 2 – Easy
 - 3 – Moderate
 - 5 – Difficult

Sprint 1: (5 Days)

Epic: Data Collection and Preprocessing

Task	Story Points
Collection of Data	2
Loading Data	1
Handling Missing Values	3
Handling Categorical Values	2

Total Story Points (Sprint 1): 8

Sprint 2: (5 Days)

Epic: Model Building and Deployment

Task	Story Points
Model Building	5
Testing Model	3
Working HTML Pages	3
Flask Deployment	5

Total Story Points (Sprint 2): 16

Velocity Calculation

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

Total Number of Sprints = 2

Velocity = Total Story Points / Number of Sprints

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

Conclusion:

The team's current velocity is **12 story points per sprint**, indicating the team can reliably complete approximately 12 points worth of work in a standard 5-day sprint cycle.