

Date	18 June 2025
Team ID	LTVIP2025TMID47570
Project Name	Toycraft tales: tableau's vision into toy manufacturer data
Maximum Marks	5 Marks

A Sprint fixed period or duration in which a team works to complete a set of tasks

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task . It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete. (usually in form of Fibonacci series)

1. Very Easy task
2. Easy task
3. Moderate task
4. Difficult task

Dataset: US Toy Manufacturers – 2005 to 2016

Project Goal: To analyze the number of toy manufacturers across states and years, identify trends, visualize patterns, and deploy the analysis using a simple interactive interface.

Sprint 1: Data Understanding & Preprocessing (5 Days)

Epic: Data Collection

- Story: Collection of US Toy Manufacturer dataset
 - Story Point: 2
 - Difficulty: Easy
- Story: Loading the dataset into the development environment (Pandas/Excel)
 - Story Point: 1
 - Difficulty: Very Easy

Epic: Data Preprocessing

- Story: Handling missing values (e.g., missing manufacturer counts)
 - Story Point: 3
 - Difficulty: Moderate
- Story: Handling categorical values (like converting states or years)
 - Story Point: 2
 - Difficulty: Easy

Goal of Sprint 1: Clean and prepare the dataset for trend analysis and visualization.

Total Story Points in Sprint 1: 8

Sprint 2: Modeling and Deployment (5 Days)

Epic: Model Building

- Story: Build simple analysis/model (e.g., trend lines, state-wise comparisons) using toy data
 - Story Point: 5
 - Difficulty: Difficult
- Story: Test model performance (check if outputs are logically valid, e.g., California is top state)
 - Story Point: 3
 - Difficulty: Moderate

Epic: Deployment

- Story: Create working HTML pages for visualization output (bar charts, maps, etc.)
 - Story Point: 3
 - Difficulty: Moderate
- Story: Deploy the project using Flask for basic interactive visualization
 - Story Point: 5
 - Difficulty: Difficult

Goal of Sprint 2: Build the analysis logic and create a basic web interface for results.

Total Story Points in Sprint 2: 16

Total Story Points Calculation

- Sprint 1 = 8 Story Points
- Sprint 2 = 16 Story Points
- Total Story Points = $8 + 16 = 24$

Velocity Calculation

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

Your team's velocity is 12 Story Points per Sprint.