

# FUNCTIONAL REQUIREMENTS

Did you notice Azure Boards has a new look and awesome new features? [Learn more.](#)

**Data Analysis And Visualization System Team** [+ New Work Item](#) [View as Board](#) [Column Options](#)

**Backlog** Analytics

Order	Work Item Type	Title	State	Effort	Busin...
+	Epic	Data Ingestion & Preparation	New		
	Feature	Data Connectors & Integration	New		
	User Story	As a data engineer, I want to import CSV/Excel files so...	New		
	User Story	As an analyst, I want to connect to SQL databases so I ...	New		
	Feature	Data Cleaning & Transformation	New		
	User Story	As a user, I want to remove duplicate rows so my data...	New		
	User Story	As a user, I want to fill missing values so analysis isn't ...	New		
	Epic	Data Analysis & Modeling	New		
	Epic	Visualization & Dashboards	New		
	Epic	Reporting & Sharing	New		
	Epic	Security & Governance	New		

**Planning**  
Drag and drop work items to include them in a sprint.

Data Analysis And Visualization Syst

**TEST 1** 26-04-2025 - 28-04-2025  
1 working days  
No work scheduled yet

**Iteration 1**  
No work scheduled yet

**Iteration 2**  
No work scheduled yet

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**Backlog** Analytics

Order	Work Item Type	Title	State
	Epic	Data Ingestion & Preparation	New
	Epic	Data Analysis & Modeling	New
	Feature	Statistical Analysis	New
	User Story	As an analyst, I want to see summary statistics.. so I un...	New
	User Story	As a user, I want to run A/B testing to compare two da...	New
	Feature	Machine Learning	New
	User Story	As a user, I want to predict future sales using regressi...	New
	Epic	Visualization & Dashboards	New
	Epic	Reporting & Sharing	New
	Epic	Security & Governance	New

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05 Data Analysis And Visu... +

Overview

Boards

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Analytics

Order	Work Item Type	Title	State	Eff
	Epic	> Data Ingestion & Preparation	New	
	Epic	> Data Analysis & Modeling	New	
	Epic	> Visualization & Dashboards	New	
	Feature	> Chart Builder	New	
	User Story	As a user, I want to create bar/line charts so I can spot...	New	
	Feature	> Advanced Visualizations	New	
	User Story	As a user, I want to plot data on a map so I can see ...	New	
	Epic	> Reporting & Sharing	New	
	Epic	> Security & Governance	New	

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Analytics

Order	Work Item Type	Title	State	Eff
	Epic	> Visualization & Dashboards	New	
	Epic	> Reporting & Sharing	New	
	Feature	> Automated Reports	New	
	User Story	As a manager, I want weekly PDF reports emailed so I ...	New	
	Epic	> Security & Governance	New	
	Feature	> Role-Based Access Control	New	
	User Story	As an admin, I want to restrict dataset access by role s...	New	
	Feature	> Data Encryption	New	
	User Story	As a system architect, I want all user credentials encry...	New	

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Data Analysis And Visualization Syst

TEST 1 26-04-2025 - 28-04-2025

1 working days

No work scheduled yet

Iteration 1

No work scheduled yet

USER STORY 29

29 As a data engineer, I want to import CSV/Excel files so I can analyze structured data.

No one selected0 CommentsAdd Tag

Save and CloseFollowDetails10

Updated by Bhuvaneshwari K: Just now

State: NewArea: Data Analysis And Visualization SystemReason: NewIteration: Data Analysis And Visualization System

Acceptance Criteria

- Supports .csv, .xlsx, .json...etc
- Shows a preview before save
- After selecting a file, the system should confirm the upload with a success message.
- If the file format is invalid or corrupted, an error message should be shown.
- The uploaded file data should be temporarily stored and ready for processing or visualization.
- The user can upload and switch between multiple datasets without needing to refresh the page.

Classification

Value area: Business

Development

Add link

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

Add link

Parent

Project settings

USER STORY 32\*

32 As a user, I want to remove duplicate rows so my dataset is clean.

No one selected0 CommentsAdd Tag

Save and CloseFollowDetails10

Updated by Bhuvaneshwari K: 14m ago

State: NewArea: Data Analysis And Visualization SystemReason: NewIteration: Data Analysis And Visualization System

Acceptance Criteria

- Shows Preview
- Tools for detecting the duplicated ones
- The system should identify rows that are exact duplicates based on all columns or selected columns.
- The user should be able to undo the duplicate removal in case of mistakes
- 1. Duplicate detection and removal should work efficiently even on large datasets (e.g., 10,000+ rows).

Classification

Risk: 2

Value area: Business

Development

Add link

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Related Work

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