Project Plan for Data Visualization Project

Date: 30 July 2025

ID: SWUID20250188226

Project Name: Global Food Production Analysis(1961-2023)

Maximum Marks: 4 Marks

# Product Backlog, Sprint Schedule, and Estimation

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Sprint Start Date | Sprint End Date (Planned) |
| Sprint-1 | Data Collection | USN-1 | As a user, I can gather raw data from selected sources. | 3 | High | 19-07-2025 | 20-07-2025 |
| Sprint-1 | Data Collection | USN-2 | As a user, I can load the gathered data into the system. | 1 | High | 19-07-2025 | 20-07-2025 |
| Sprint-2 | Data Cleaning and Transformation | USN-3 | As a user, I can handle null values within the dataset. | 2 | High | 21-07-2025 | 22-07-2025 |
| Sprint-2 | Data Cleaning and Transformation | USN-4 | As a user, I can standardize or convert data types for consistency. | 3 | High | 21-07-2025 | 22-07-2025 |
| Sprint-3 | Data Visualization | USN-5 | As a user, I can create a bar chart for basic comparison of values. | 3 | High | 23-07-2025 | 23-07-2025 |
| Sprint-3 | Data Visualization | USN-6 | As a user, I can create a gauge chart to visualize progress or performance. | 2 | Medium | 24-07-2025 | 24-07-2025 |
| Sprint-3 | Data Visualization | USN-7 | As a user, I can generate a pie chart for category distribution. | 3 | High | 25-07-2025 | 25-07-2025 |
| Sprint-4 | Data Visualization | USN-8 | As a user, I can design a ribbon chart to show comparisons. | 3 | Medium | 25-07-2025 | 25-07-2025 |
| Sprint-4 | Data Visualization | USN-9 | As a user, I can generate an area graph to track values over time. | 5 | Medium | 26-07-2025 | 26-07-2025 |
| Sprint-4 | Data Visualization | USN-10 | As a user, I can design a card to summarize KPIs or metrics. | 2 | Medium | 27-07-2025 | 27-07-2025 |
| Sprint-5 | Report Generation | USN-11 | As a user, I can visualize data using a funnel chart for conversion flow. | 3 | Medium | 27-07-2025 | 27-07-2025 |
| Sprint-5 | Report Generation | USN-12 | As a user, I can generate a narrative report summarizing all visualizations. | 3 | Medium | 28-07-2025 | 29-07-2025 |

