

Weekly Activity Report

Week 1: Familiarization with Anime Dataset and Tools

- **Objectives:**
 - Understand the structure and contents of the MyAnimeList (MAL) dataset.
 - Explore data cleaning techniques to prepare the dataset for analysis.
 - Set up the development environment (Jupyter Notebook, Tableau) for data analysis.
- **Activities:**
 - Downloaded and reviewed the MAL dataset containing anime lists and user profiles.
 - Explored Jupyter Notebook environment for data preprocessing and analysis.
 - Learned basic data cleaning techniques to handle missing values and outliers.
 - Installed and configured Tableau for visualization and dashboard creation.
 - Explored Tableau interface to understand data connections and visualization options.



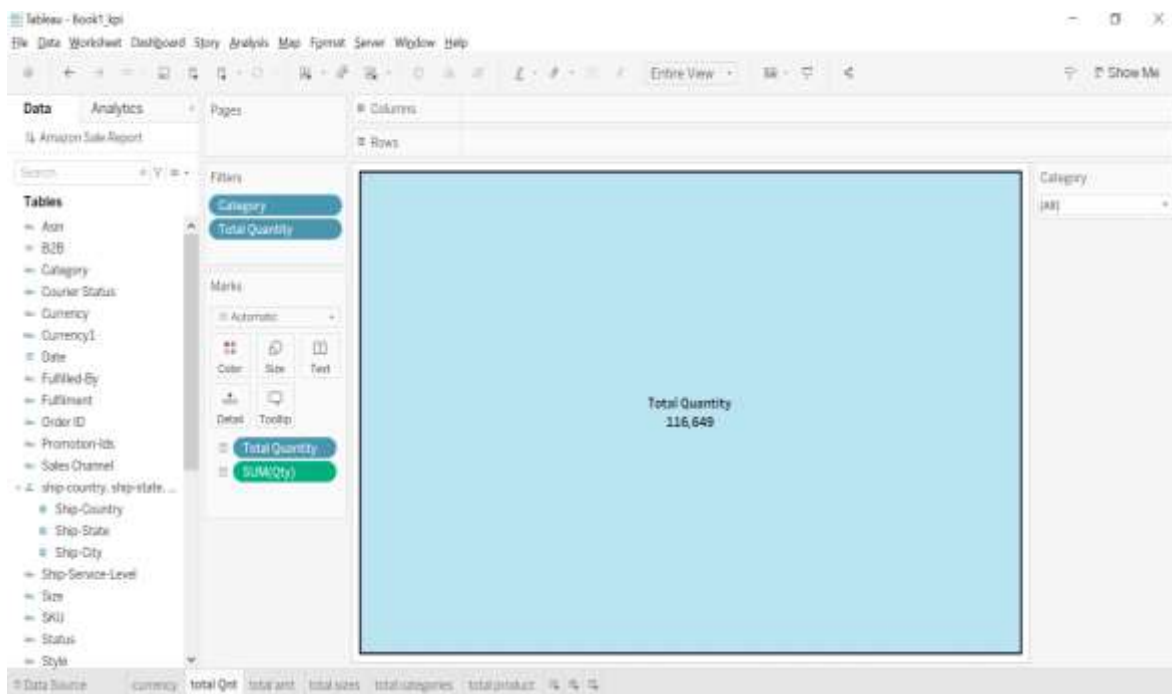
Week 2: Exploratory Data Analysis (EDA) and Genre Analysis

- **Objectives:**

- Perform exploratory data analysis (EDA) to uncover initial insights and trends.
- Focus on analyzing anime genres and their popularity among different user segments.

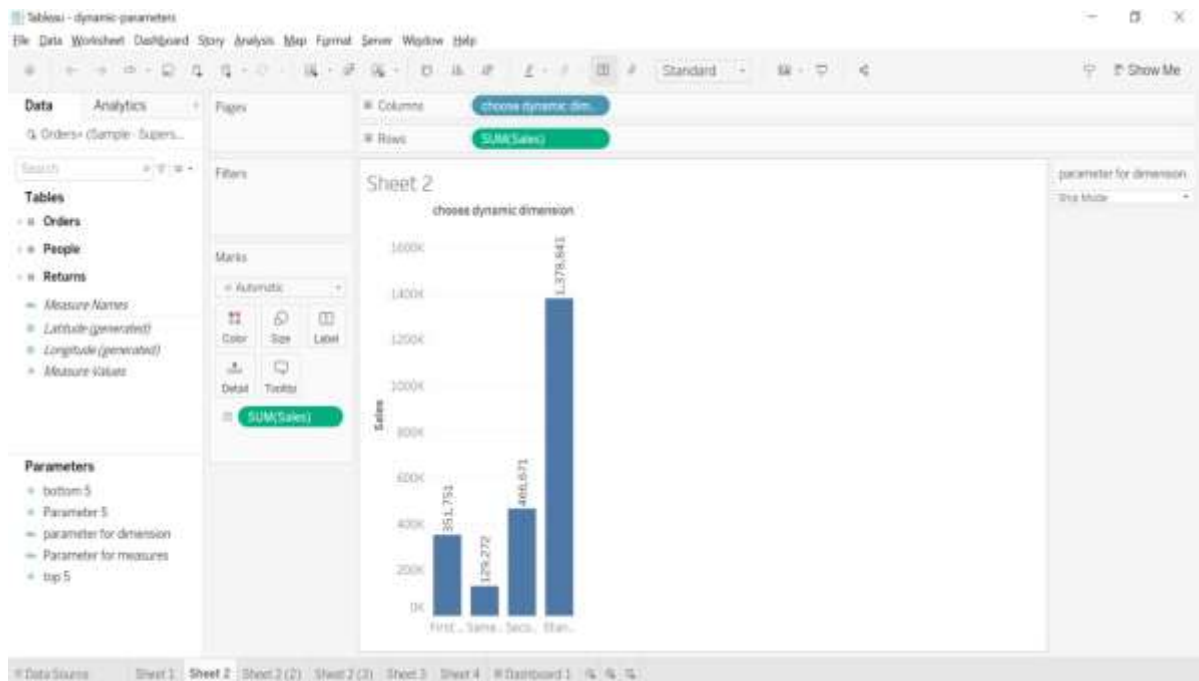
- **Activities:**

- Conducted descriptive statistics on anime ratings, genres, and user interactions.
- Created bar charts and pie charts in Tableau to visualize genre distributions.
- Identified top-rated and most-watched anime based on user ratings and reviews.
- Explored demographic patterns (age, gender) in anime genre preferences using Tableau.



Week 3: User Engagement Analysis and Rating Trends

- **Objectives:**
 - Analyze user engagement metrics such as watch status, ratings, and completion rates.
 - Investigate user rating distributions and trends among new users versus veteran viewers.
- **Activities:**
 - Examined user anime lists and engagement metrics (watching, completed, on hold).
 - Created histograms and scatter plots in Tableau to visualize user rating distributions.
 - Identified peak rating scores and patterns based on user experience levels.
 - Explored correlations between user demographics and anime preferences.



Week 4: Dashboard Creation and Insights Presentation

- **Objectives:**
 - Synthesize findings and insights into a comprehensive Tableau dashboard.
 - Design an interactive dashboard showcasing key trends and user preferences.
- **Activities:**
 - Compiled key findings from EDA and user engagement analysis into actionable insights.
 - Designed and developed a multi-sheet Tableau dashboard with interactive elements.
 - Incorporated filters and parameters to enable user exploration of anime trends.
 - Applied formatting techniques to enhance the visual appeal and usability of the dashboard.
 - Presented the final Tableau dashboard, highlighting significant trends and recommendations.

