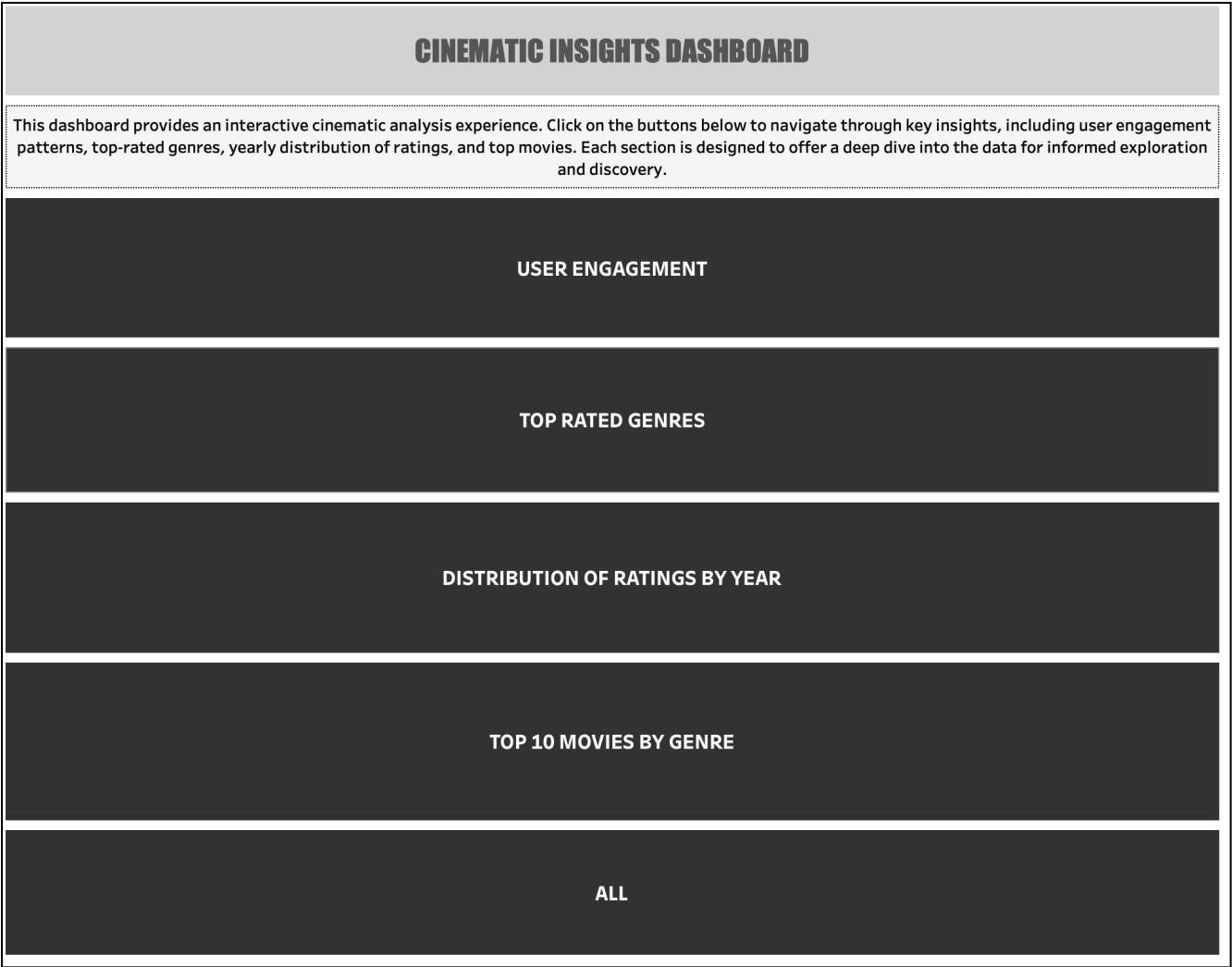
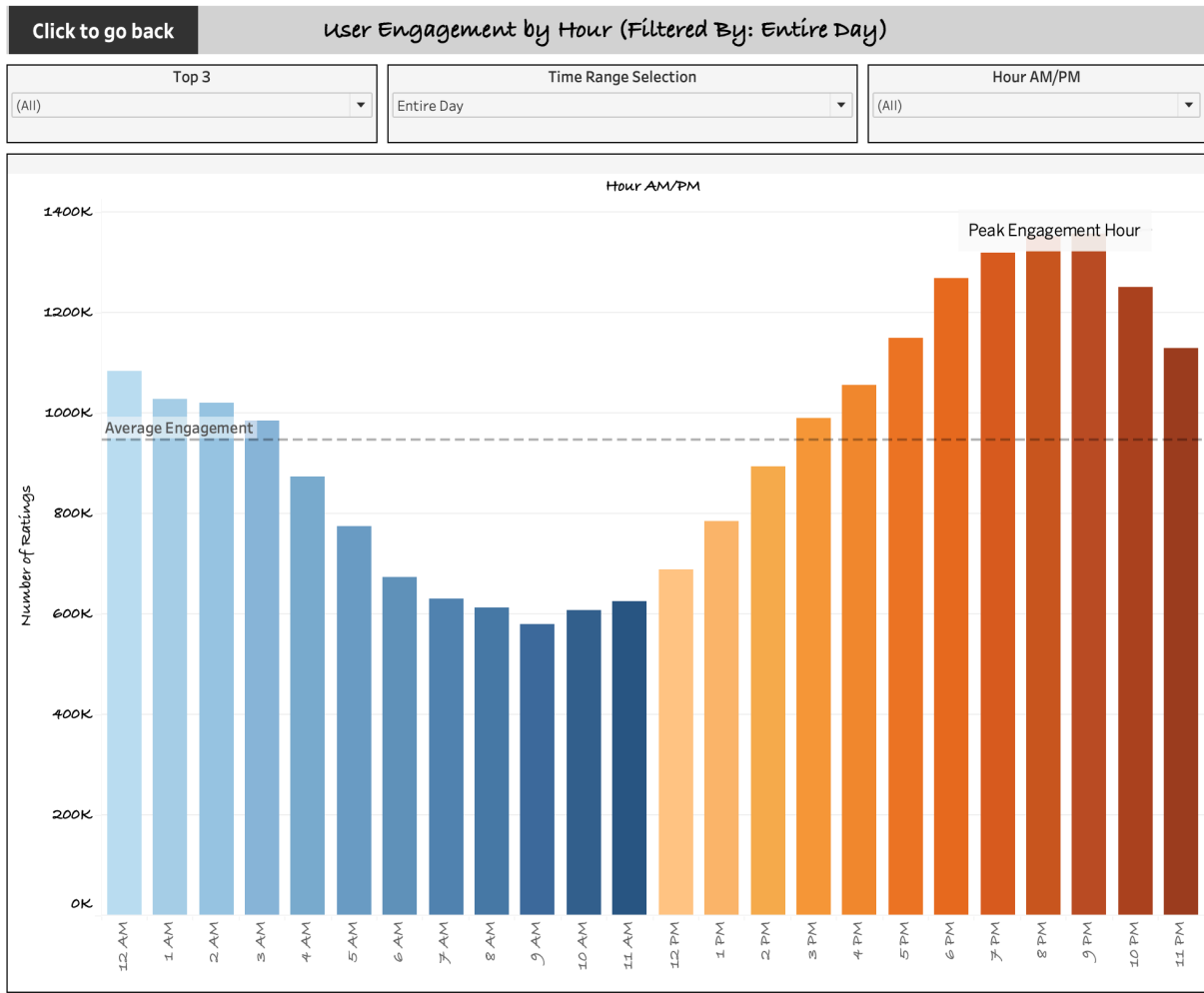


**CINEMATIC INSIGHTS DASHBOARD OVERVIEW**



This is the central navigation page of the dashboard, designed to provide a streamlined user experience. The dashboard is divided into interactive sections, each focusing on key insights. Users can select sections such as User Engagement Patterns, Top Rated Genres, Yearly Ratings Distribution, and Top Movies by Genre using the navigation buttons. Each button redirects to a detailed view of the respective analysis, enabling users to explore the data dynamically. The dashboard was built with a focus on ease of access, allowing users to interact with various visual filters and features.

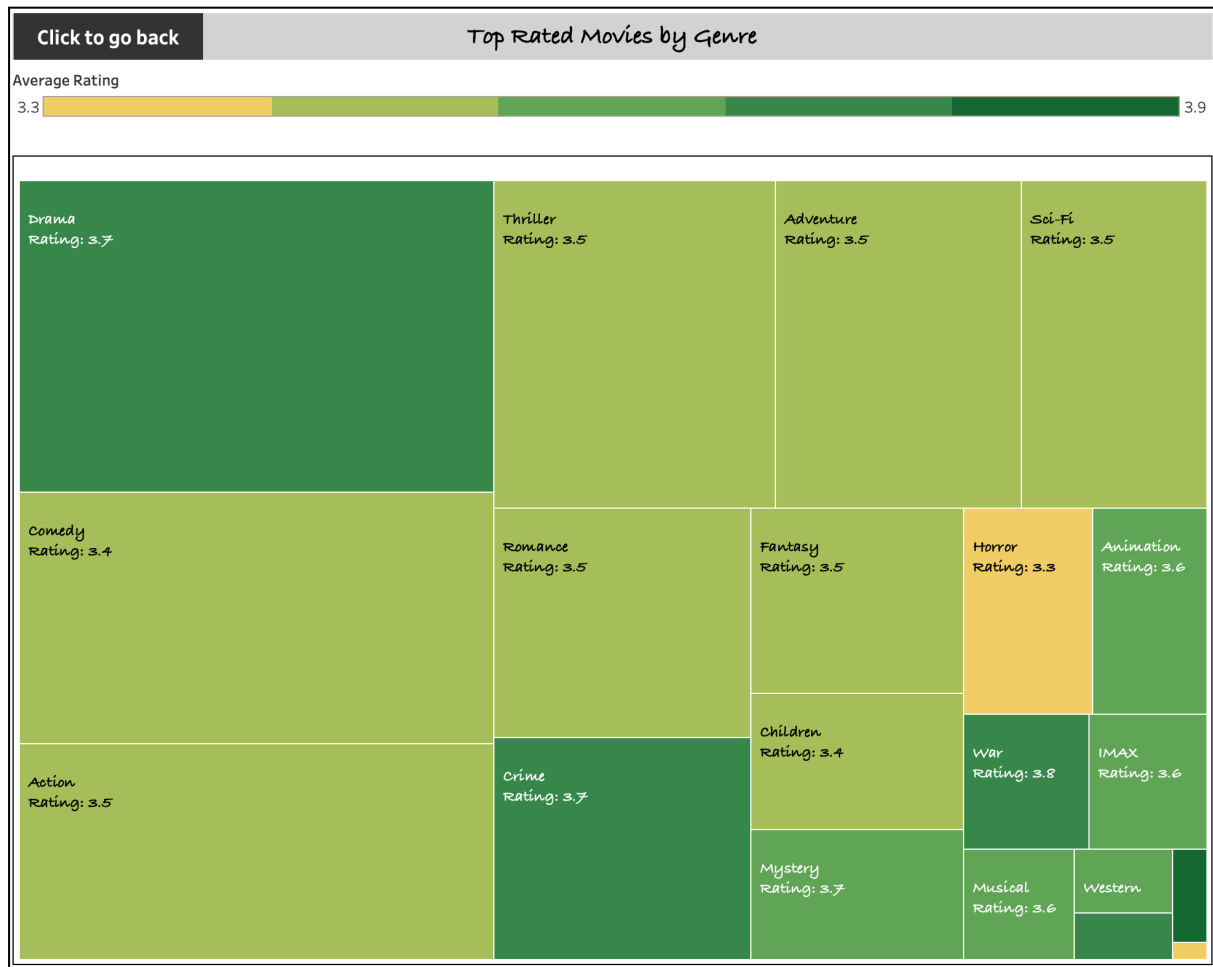
# 1. User Engagement by Hour



**Description:** This visualization analyzes how users interact with movies by examining the number of ratings submitted throughout the day.

- It displays an hourly breakdown, indicating both **average engagement levels** and the **peak engagement hours** when users are most active.
- A color gradient helps distinguish between low and high activity periods.
- Filters are included to allow users to select different **time ranges** (e.g., morning, evening, or entire day) and **AM/PM segments**.
- This insight can be valuable for platforms seeking to optimize the timing of content recommendations or marketing activities.

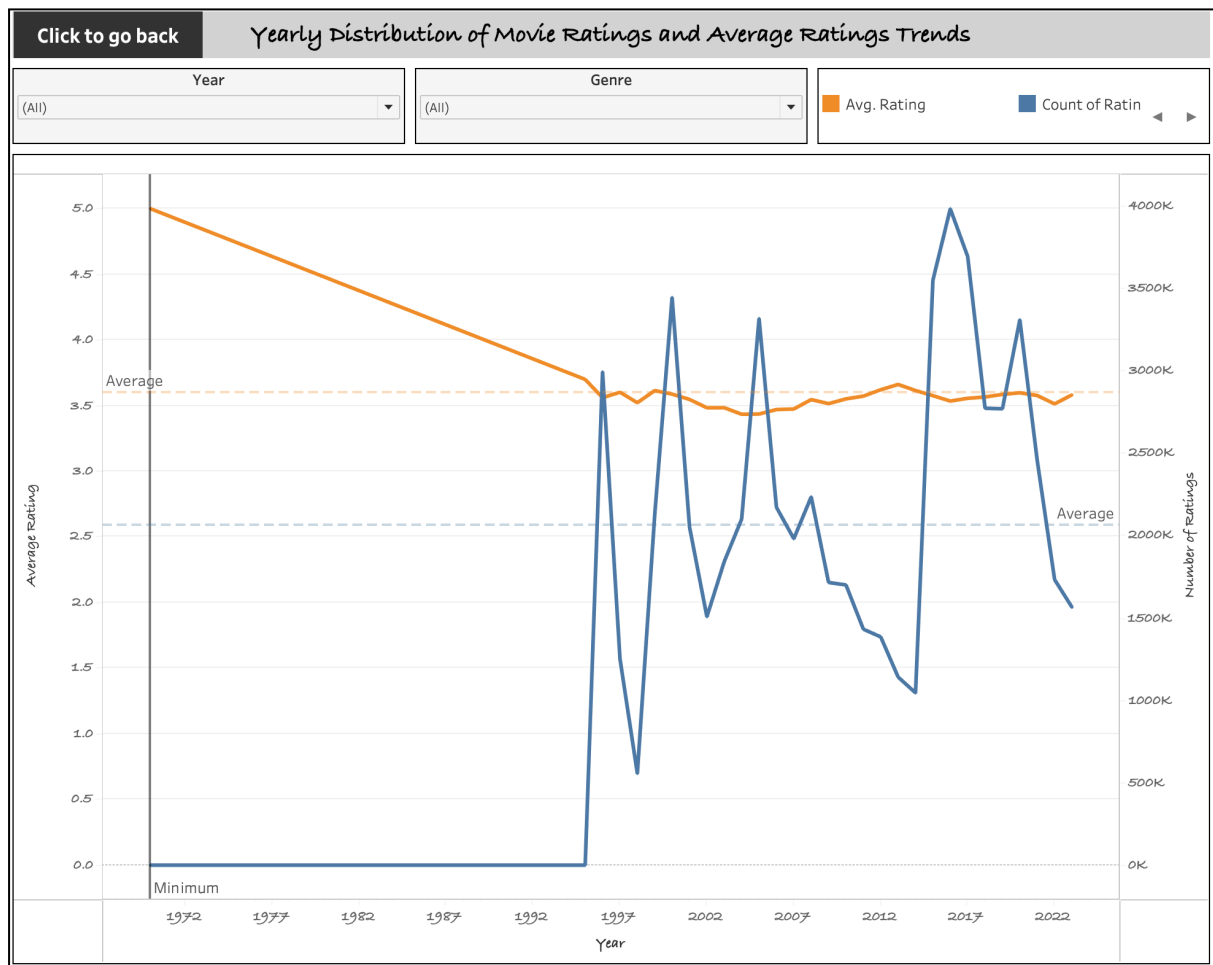
## 2. Top Rated Movies by Genre



**Description:** A tree map visualization highlights how various genres are rated on average by users.

- Each block in the tree map represents a **movie genre**.
- The **size** of the block corresponds to the **number of ratings** for that genre, while the **color intensity** indicates the **average rating** received.
- Hovering over a block reveals detailed tooltips with information on the genre and its average rating.
- This visualization helps users quickly identify which genres are the most popular and highly rated, offering insights into audience preferences.

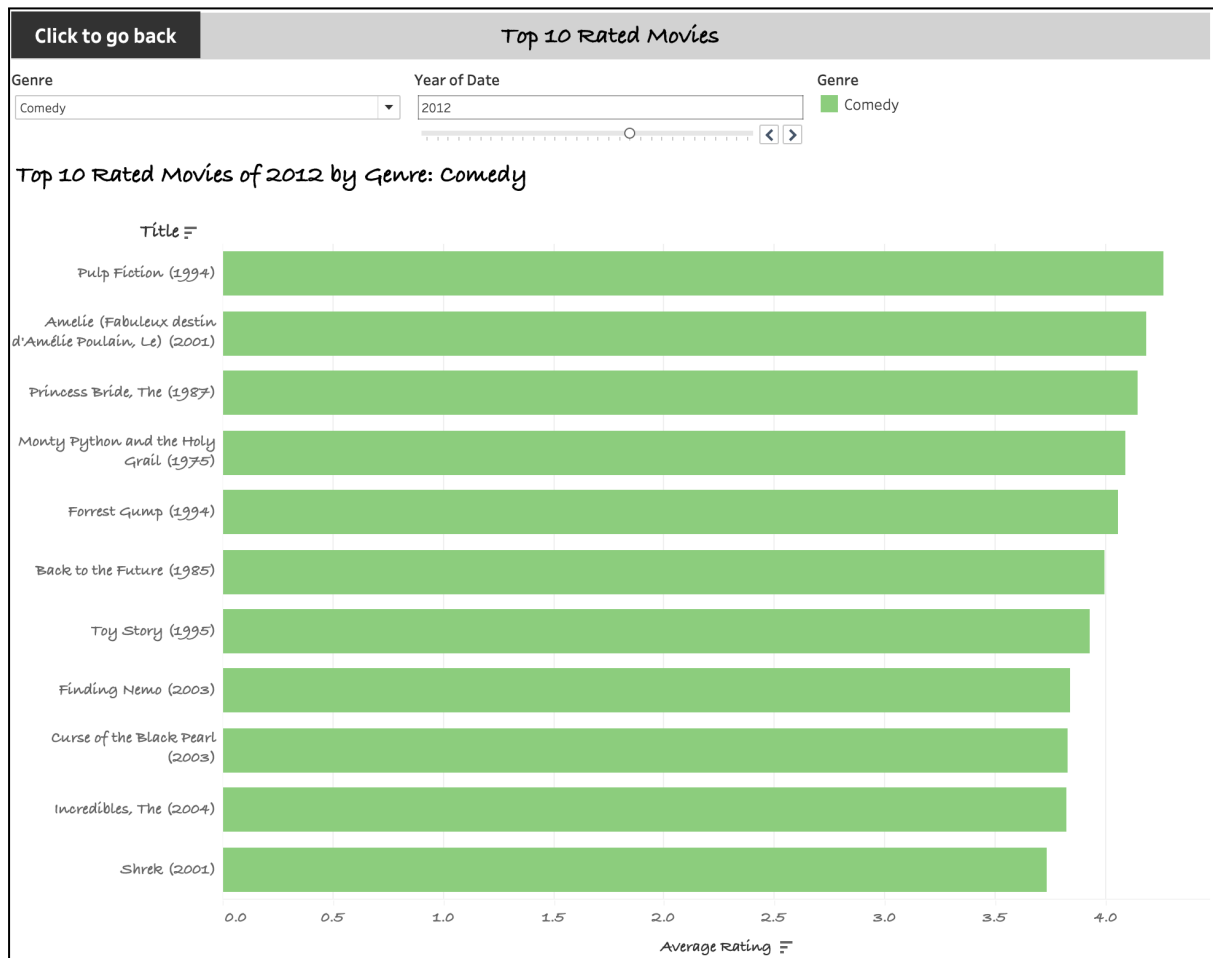
### 3. Yearly Distribution of Movie Ratings



**Description:** This line chart provides a detailed analysis of how movie ratings have changed over time, enabling users to observe trends across decades.

- It uses **dual axes** to simultaneously display the **average rating** (on one axis) and the **number of ratings** (on the other).
- Reference lines indicate **average** and **minimum** rating levels, helping users identify periods of significant fluctuation.
- Filters for **year** and **genre** allow users to tailor their view, providing insights into how specific genres have evolved in popularity and critical reception over time.

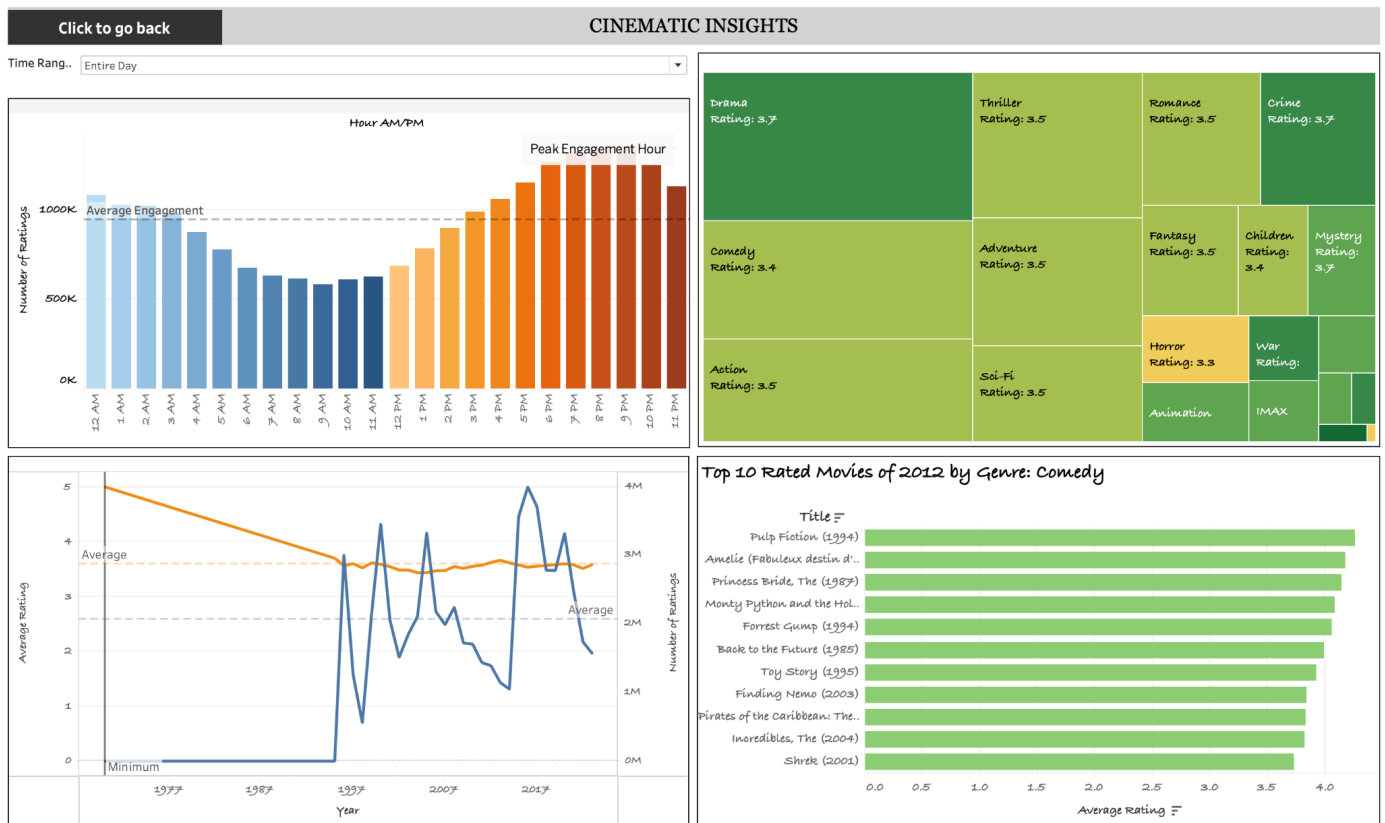
#### 4. Top 10 Rated Movies of the Year



**Description:** This visualization ranks the top 10 movies based on their average rating for a given year and genre.

- It presents a **horizontal bar chart** where each bar represents a top-rated movie.
- Users can customize the view using filters for **year** and **genre**, allowing a focused exploration of different movie categories.
- The interactive feature highlights the role of both user reviews and genre appeal in determining the highest-rated movies for each year.

## 5. All-In-One Dashboard View



**Description:** This comprehensive dashboard brings together multiple visualizations on a single screen, offering a holistic view of user engagement, top-rated genres, yearly trends, and top movies.

- The **User Engagement by Hour, Top Rated Genres, Yearly Ratings Trends, and Top 10 Movies** are displayed side-by-side for easy comparison.
- Interactive elements, such as filters and drill-down options, enhance user exploration.
- This view allows stakeholders to gain a complete overview of audience behavior and genre performance at a glance, making it a powerful tool for strategic decision-making.