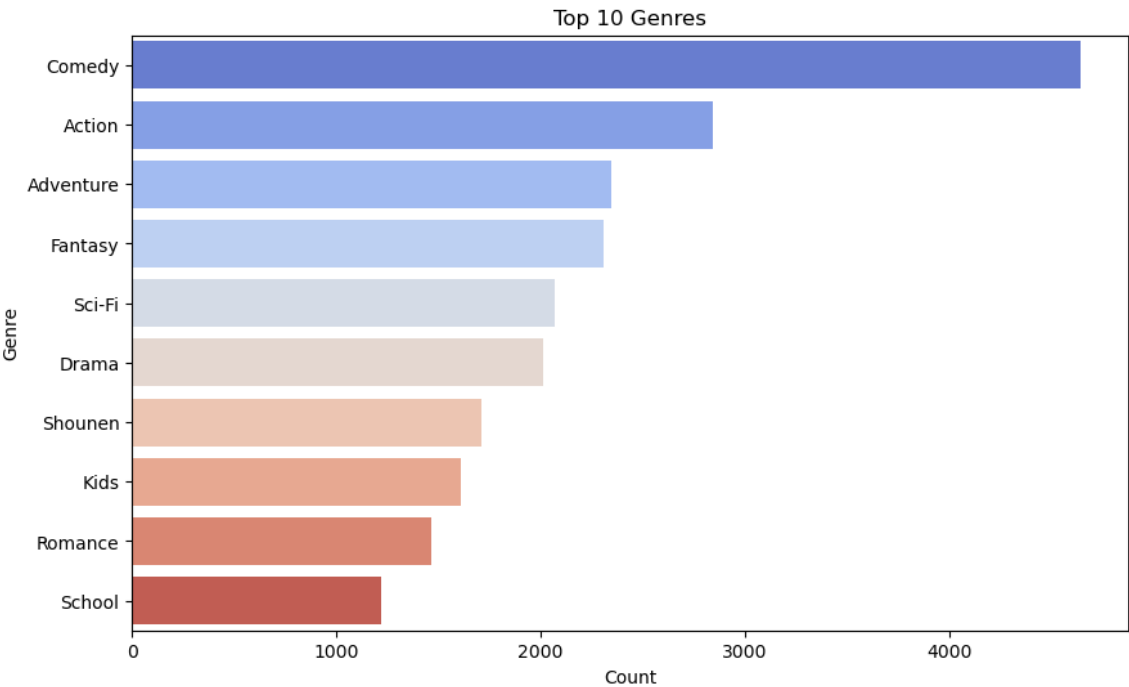# Analysis of Trends in Anime

1. Top 10 Genres Overall

This bar chart provides a holistic view of the overall popularity of genres across all anime types. The chart ranks the genres based on their total count.

Key Observations:
- Comedy is the most prevalent genre by a significant margin, followed by Action and Adventure.
- Fantasy and Sci-Fi are moderately popular, appealing to audiences with an interest in imaginative and futuristic themes.
- Shounen, a genre targeted at young male audiences, holds a strong position.
- Romance and School genres cater to specific niches but maintain steady popularity.
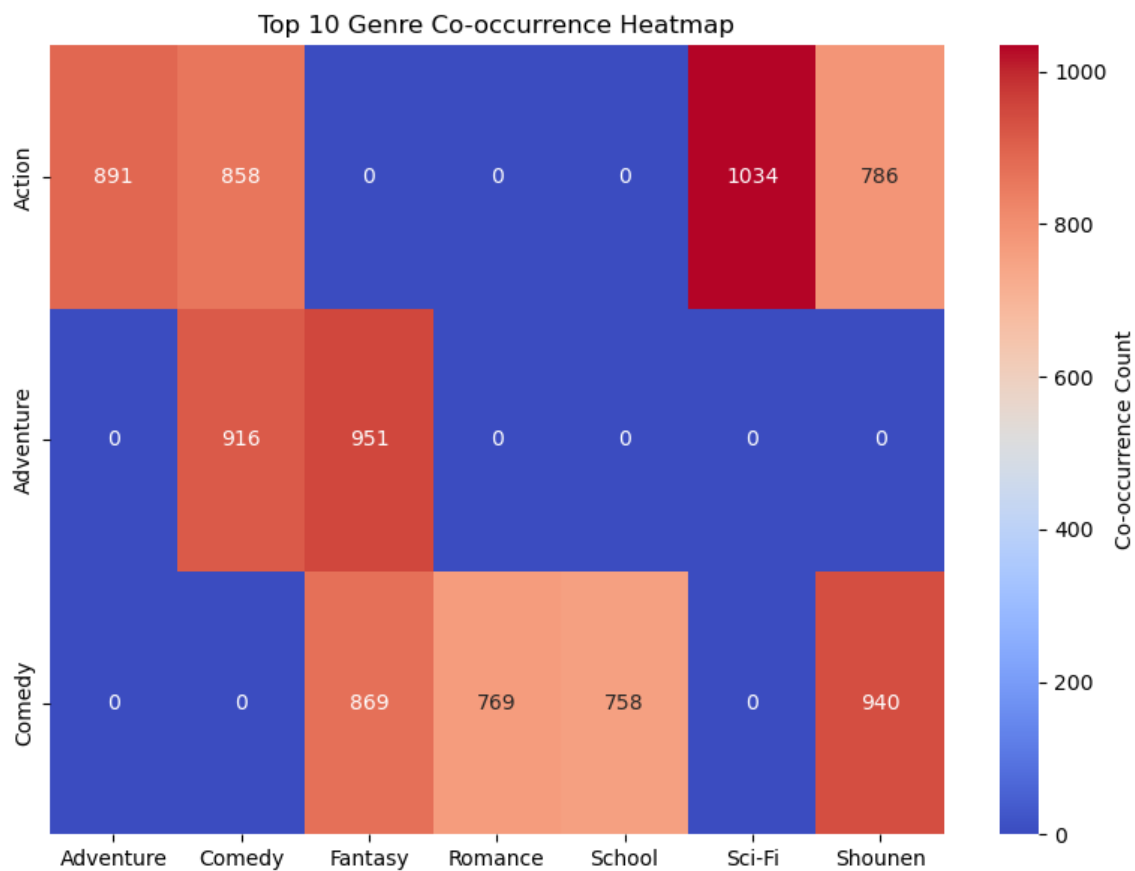
2. Top 10 Genre Co-occurrence Heatmap

This heatmap explores the co-occurrence of genres, showing how frequently different genres appear together in anime.

Key Observations:
- Action frequently co-occurs with Adventure, indicating a strong correlation between these two genres.
- Comedy often pairs with Romance and School, reflecting its versatility.
- Sci-Fi and Shounen also show high co-occurrence with Action and Adventure, suggesting overlap in audience preferences.
- The heatmap highlights complementary genre combinations that could guide content recommendations or development.

Top 10 Genre Co-occurrence Heatmap

3. Top 5 Genres by Type

This visualization provides an in-depth analysis of the top 5 genres for various types of anime content, including TV shows, Specials, OVAs, ONAs, Music, and Movies. The bar charts reveal the genre distribution across these categories.

Key Observations:
- Comedy is the dominant genre across most types, with a particularly strong presence in TV and Movies.
- Action and Adventure also show significant popularity, especially in TV and OVAs.
- OVAs have a unique genre dominance with Hentai being a significant contributor.
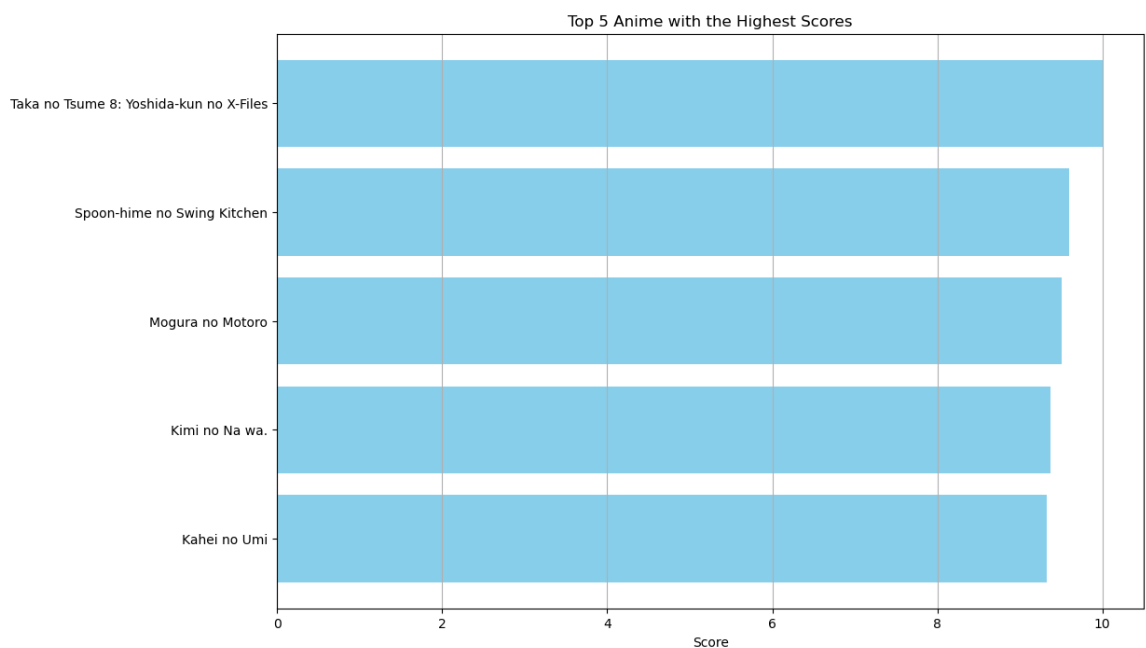- The Music category is dominated by its namesake genre, followed by Kids and Fantasy.

4. Top 5 Anime with the Highest Scores

 This bar chart visualizes the top 5 anime with the highest individual scores. Each bar represents an anime title and its corresponding score.

   Key Observations:
   - All scores are at the maximum level of 10.
   - The titles range from popular movies like "Kimi no Na wa." to lesser-known series such as "Taka no Tsume 8: Yoshida-kun no X-Files."
   - Such charts help highlight excellence in terms of viewer ratings.
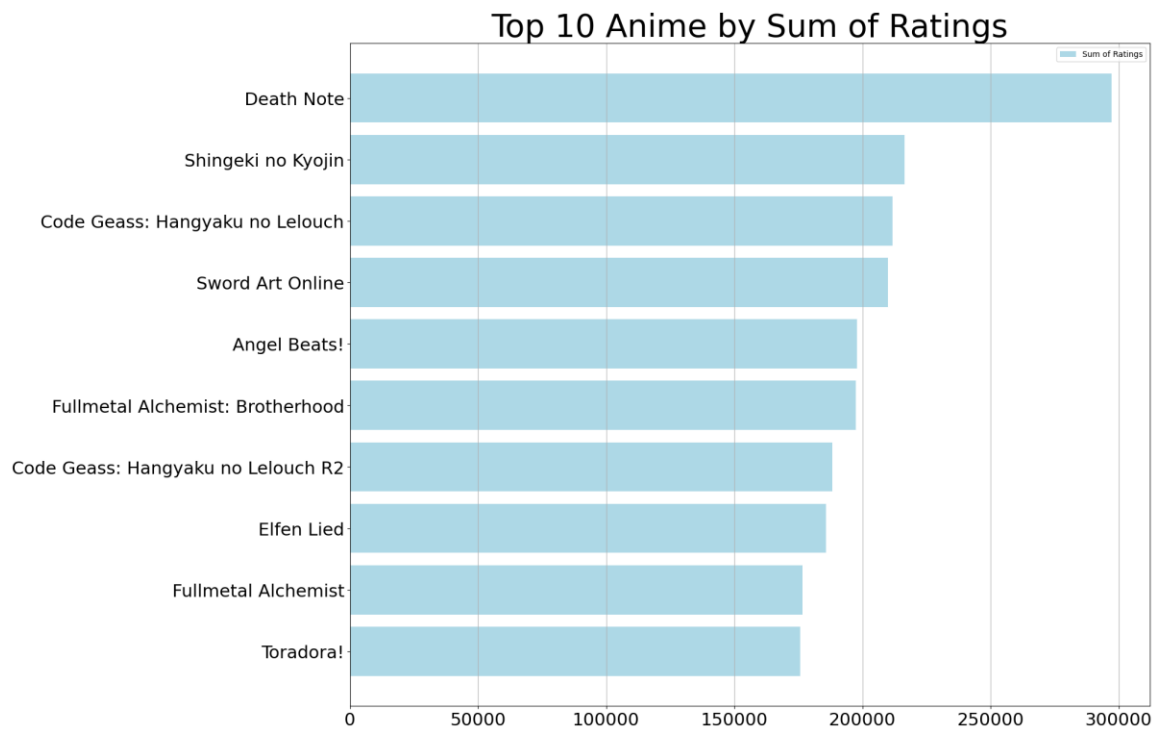
Top 5 Anime with the Highest Scores

5. Top 10 Anime by Sum of Ratings

This horizontal bar chart showcases the top 10 anime ranked by the sum of all ratings they received.

Key Observations:
- "Death Note" leads by a significant margin, followed by other popular titles like "Shingeki no Kyojin" and "Code Geass: Hangyaku no Lelouch."
- This metric highlights the overall popularity of anime across a large audience base.
- Useful for understanding mainstream popularity in the anime community.

Top 10 Anime by Sum of Ratings

6. Top 10 Anime by Average of Ratings

This horizontal bar chart displays the top 10 anime based on the average of ratings from viewers.

Key Observations:
- Anime such as "Choegang Top Plate" and "Warui no wo Taose!! Salaryman Man" lead with the highest average ratings.
- The uniformity in high average ratings suggests this anime are universally well-received.
- Ideal for analyzing how anime performs over various user demographics.