

Web Series Analysis

Assignment Questions



Web Series Analysis

Dataset Overview :

The Web Series Dataset contains 50 rows and 7 columns, covering various Indian web series across multiple streaming platforms. It provides details such as genre, platform, number of seasons and episodes, IMDB ratings, and release year.

Dataset Link: [Web_Series_dataset](#)

Column Descriptions

1. **Series ID** – A unique identifier for each web series.
2. **Title** – Name of the web series.
3. **Genre** – Categorization of the series (e.g., Thriller, Drama, Comedy, Crime, Sci-Fi, Mystery).
4. **Platform** – The streaming service where the series is available (e.g., Netflix, Amazon Prime, Hotstar).
5. **Seasons** – The number of seasons for each series.
6. **Episodes** – The total number of episodes in the series.
7. **IMDB Rating** – The average user rating of the series on a scale of 1 to 10.
8. **Year** – The release year of the series.

Problem Statements

✅ Task 1: Trend of Web Series Released Per Year

Goal: Use a **Line Chart** to visualize the trend of web series released over time.

✅ Task 2: Distribution of IMDB Ratings Across Streaming Platforms

Goal: Use a **Box Plot** to analyze how IMDB ratings vary across different streaming platforms.

✅ Task 3: Top 5 Highest Rated Web Series

Goal: Use a **Horizontal Bar Chart** to showcase the top 5 web series with the highest IMDB ratings.

✅ Task 4: Genre Distribution of Web Series

Goal: Use a **Bar Chart** to show the count of web series belonging to each genre.

✅ Task 5: Relationship Between Number of Episodes and IMDB Rating

Goal: Use a **Scatter Plot** to observe if web series with more episodes tend to have higher ratings.

✅ Task 6: Platform-Wise Average IMDB Rating by Genre

Goal: Analyze which genres perform best on which streaming platforms in terms of average IMDB ratings.

Visualization: Heatmap (Rows = Genre, Columns = Platform, Color = Avg. IMDB Rating)

✅ **Task 7: Episodes Per Season Analysis**

Goal: Compute and compare the average number of episodes per season for each web series.

Visualization: Bar Chart or Bubble Chart (Series on X-axis, Episodes/Season ratio as value)

✅ **Task 8: IMDB Rating vs. Number of Seasons (Grouped by Platform)**

Goal: Examine if there's a trend between the number of seasons and IMDB ratings, broken down by platform.

Visualization: Scatter Plot with color/grouping by platform

✅ **Task 9: Identify the Most Consistent Genre in Ratings**

Goal: Find the genre with the **lowest variance** in IMDB ratings (i.e., most consistent viewer reception).

Visualization: Table or Bar Chart with genre and rating variance

✅ **Task 10: Highlight Web Series with Above-Average Ratings in Each Genre**

Goal: For each genre, list web series that have an IMDB rating **higher than the genre's average**.

Visualization: Filtered Bar Chart or Table view, with conditional formatting on ratings