# Web Series Analysis

## Assignment Solutions

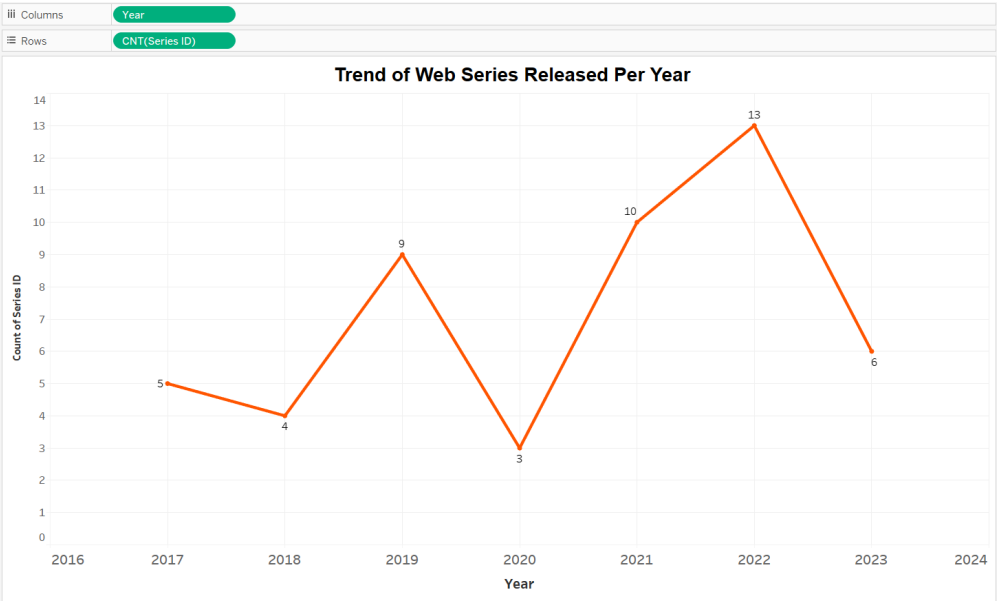
PW SKILLS

# Web Series Analysis

**Task 1: Trend of Web Series Released Per Year (Line Chart)**

**Steps in Tableau:**

1. Open Tableau and load the **Web_Series_Dataset.**
2. Drag **Year** to the **Columns** shelf.
3. Drag **Series ID** to the **Rows** shelf and change the aggregation to **Count.**
4. Click on the chart type dropdown and select **Line Chart.**
5. Add **Title** as a tooltip for better insights.



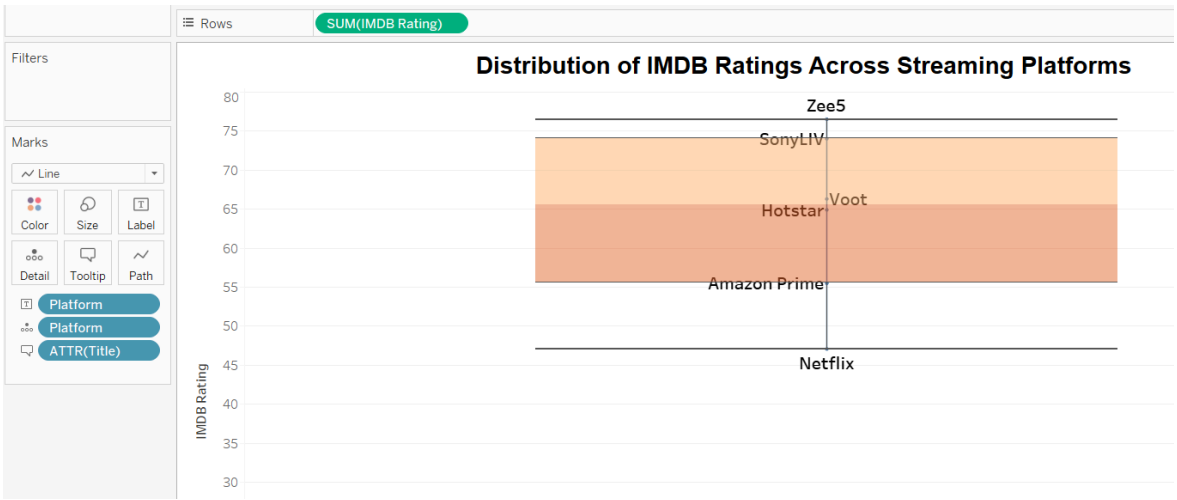

**Insights:**

- Identify which years had the highest number of web series released.
- Observe any patterns or trends in releases over time.

**Task 2: Distribution of IMDB Ratings Across Streaming Platforms (Box Plot)**

**Steps in Tableau:**

1. Drag **Platform** to the **Columns** shelf.
2. Drag **IMDB Rating** to the **Rows** shelf.
3. Change the chart type to **Box Plot** (click on "Show Me" and select Box Plot).
4. Add **Title** as a tooltip.



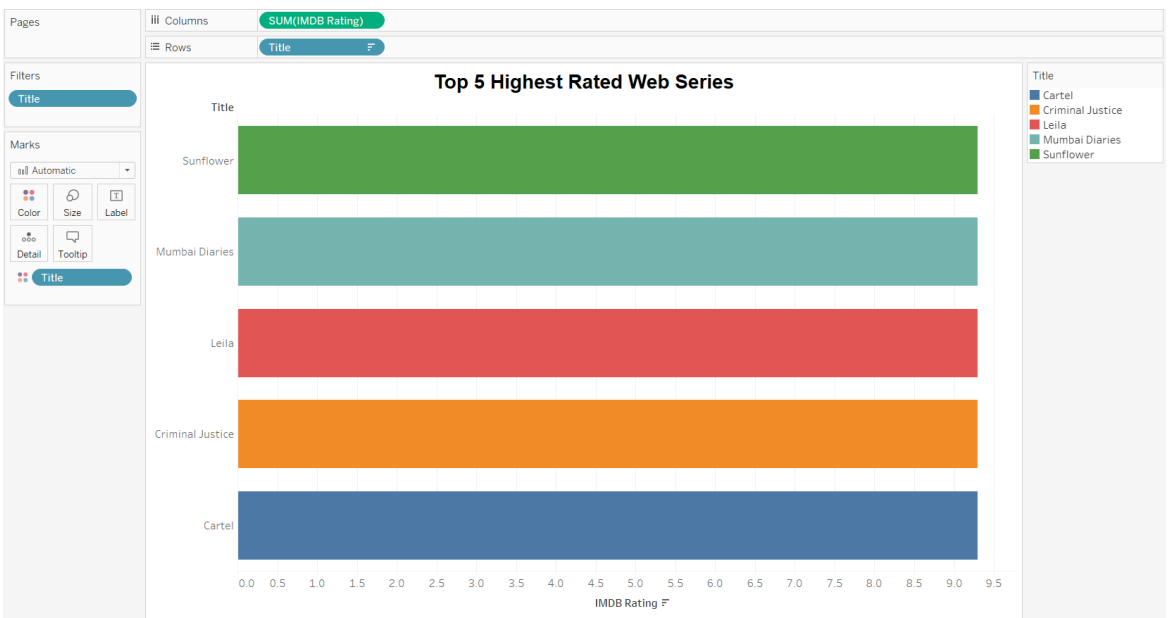

**Insights:**

- See which platform has the highest median IMDB rating.
- Identify outliers (very high or very low ratings).
- Compare rating distributions across platforms.

**Task 3: Top 5 Highest Rated Web Series (Horizontal Bar Chart)**

**Steps in Tableau:**

1. Drag **Title** to the **Rows** shelf.
2. Drag **IMDB Rating** to the **Columns** shelf.
3. Sort the data in descending order by **IMDB Rating.**
4. Filter to show only the **top 5** web series.
5. Change the chart type to **Bar Chart** and rotate it for a horizontal view.



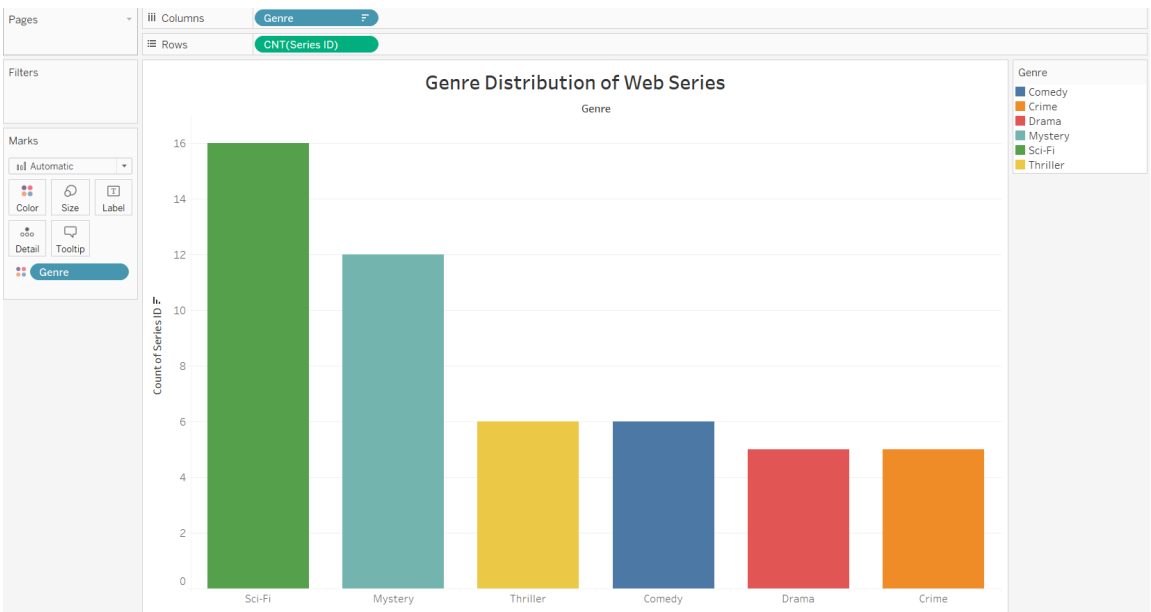
**Insights:**

- Identify the best-rated Indian web series.
- Compare how much higher the ratings are compared to others.

**Task 4: Genre Distribution of Web Series (Bar Chart)**

**Steps in Tableau:**

1. Drag **Genre** to the **Columns** shelf.
2. Drag **Series ID** to the **Rows** shelf and set it to **Count.**
3. Change the chart type to **Bar Chart.**
4. Sort the bars in descending order.



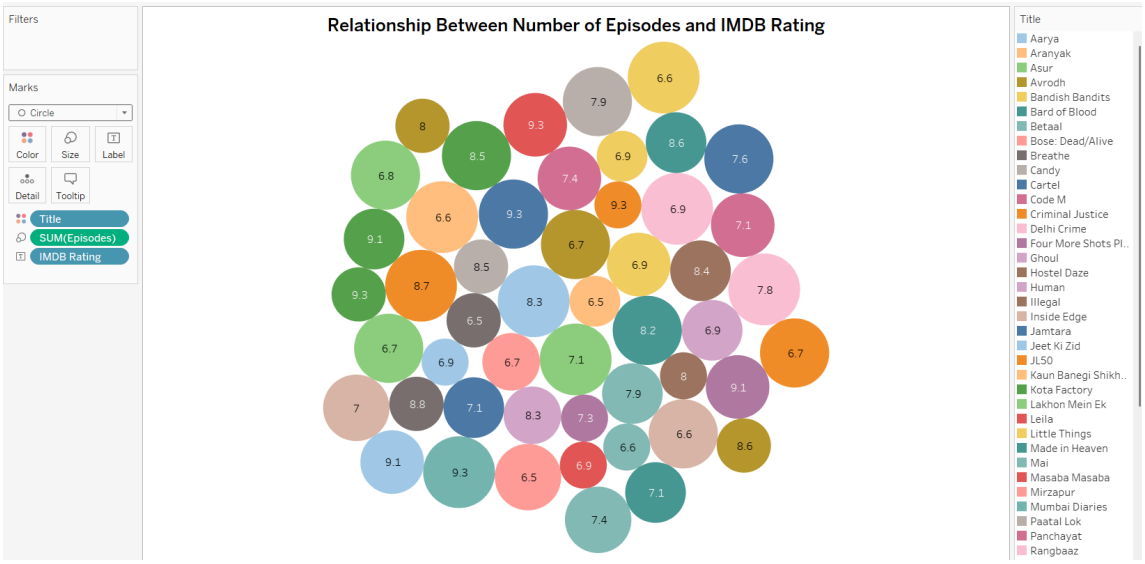

**Insights:**

- Identify the most common genres in Indian web series.
- Compare which genres dominate the streaming industry.

**Task 5: Relationship Between Number of Episodes and IMDB Rating (Packed Bubble plot.)**

**Steps in Tableau:**

1. Drag **Episodes** to the **Columns** shelf.
2. Drag **IMDB Rating** to the **Rows** shelf.
3. Drag **Title** to the **Color** shelf to create varying bubble sizes.
4. Drag **Platform** or **Genre** to the **Color** shelf for differentiation.
5. Adjust the **Bubble Size** in the Marks card for better visibility.
6. (Optional) Add **Title** as a tooltip for better insights.




**Insights:**

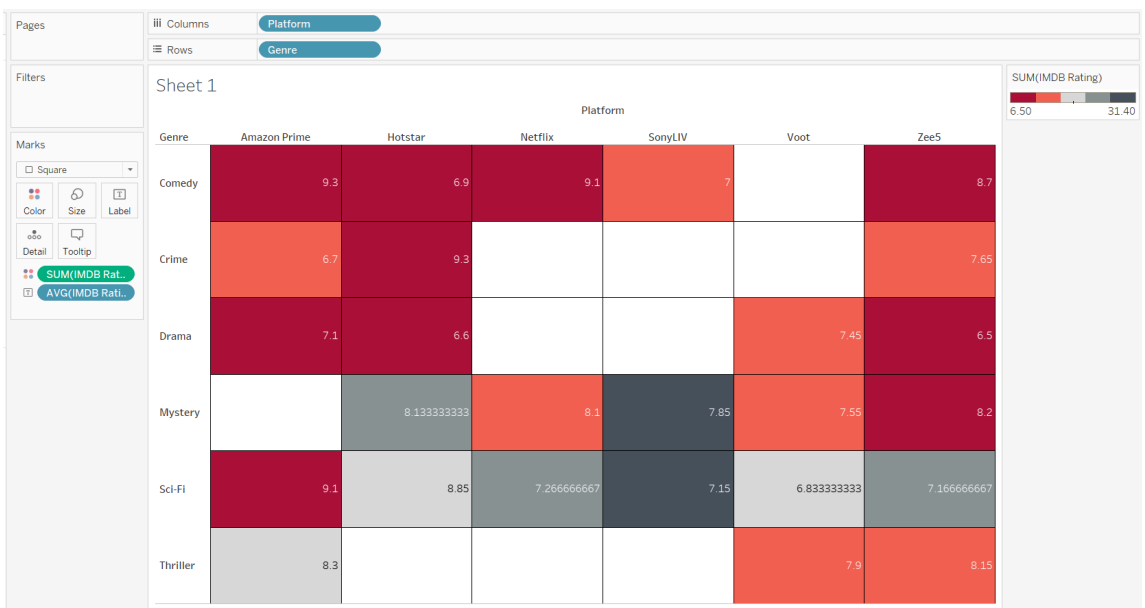
- Identify if web series with more episodes tend to have higher/lower ratings.
- Observe which platforms or genres have longer or shorter series.

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

**Goal:** See which platform delivers the best-rated content across genres.

**Solution Steps:**

1. **Drag "Genre" to Rows**
2. **Drag "Platform" to Columns**
3. **Drag "IMDB Rating" to Color and Text (Label)**
   - Set aggregation to `AVG(IMDB Rating)`
4. **Change chart type to Heatmap**
5. Optional: Add borders or adjust color gradient for clarity



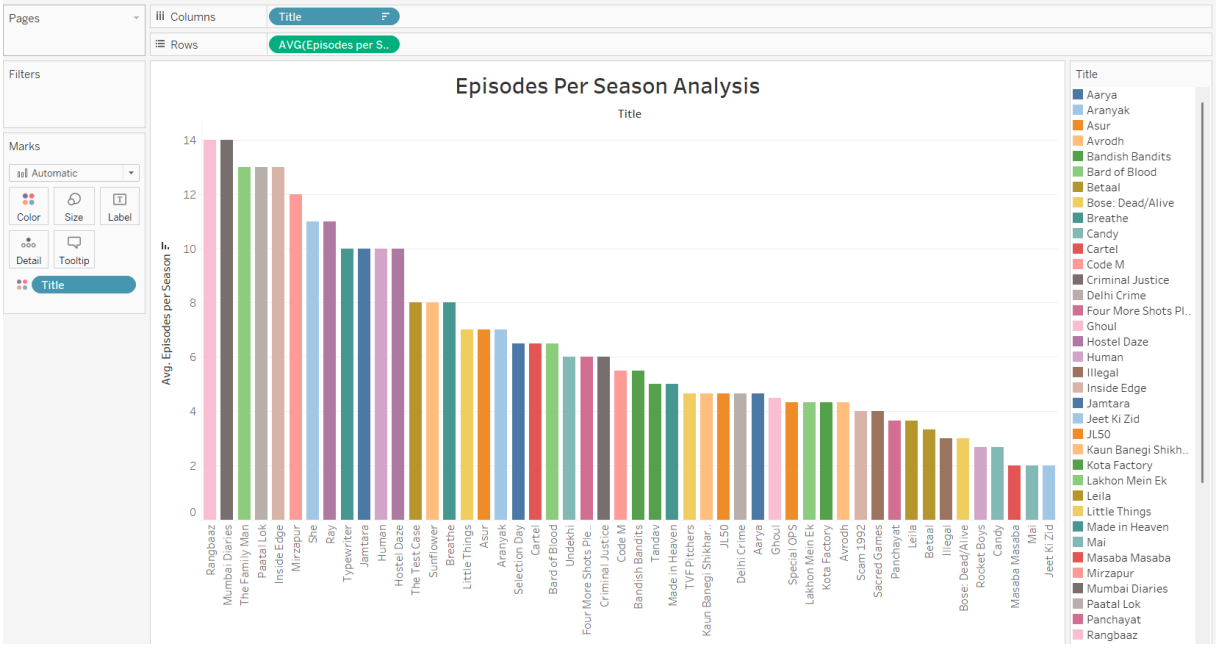
## ✅ Task 7: Episodes Per Season Analysis

**Goal:** Understand how episode density varies across series.

**Solution Steps:**

1. **Create a Calculated Field:**
   - Name: `Episodes per Season`
   - Formula: `[Episodes] / [Seasons]`
2. **Drag "Title" to Columns**
3. **Drag `Episodes per Season` to Rows**
   - Set aggregation to `AVG`
4. **Sort descending** to highlight content-heavy shows

Optional: Use color to reflect value intensity or platform grouping

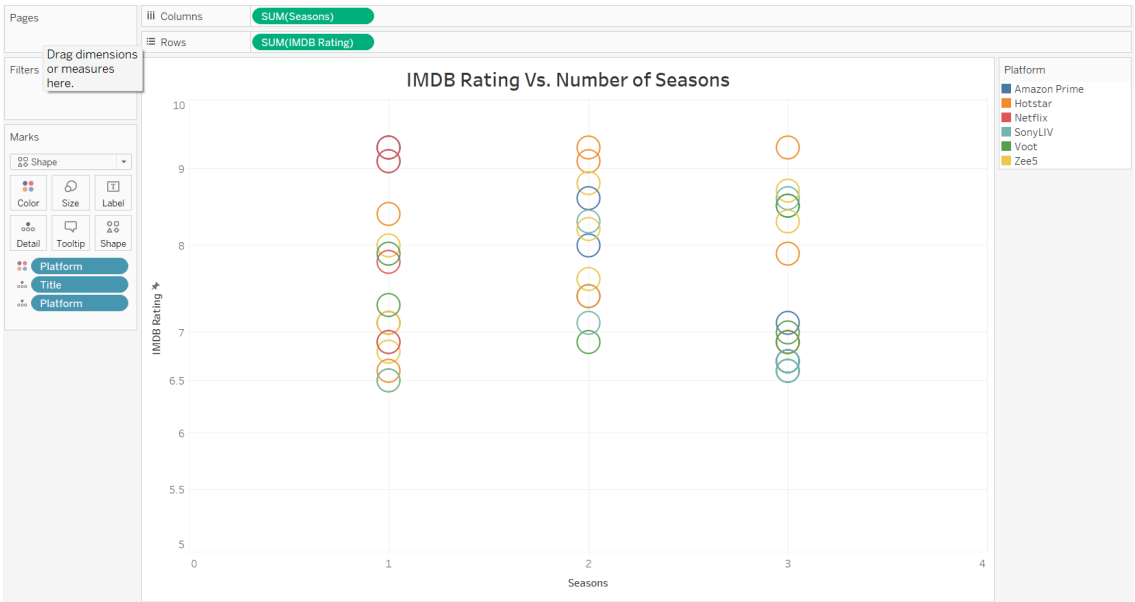



## ✅ Task 8: IMDB Rating vs. Number of Seasons (Grouped by Platform)

**Goal:** Spot trends in longevity vs. quality, segmented by platform.

**Solution Steps:**

1. **Drag "Seasons" to Columns**
2. **Drag "IMDB Rating" to Rows**
3. **Drag "Platform" to Color**
4. **Drag "Title" to Detail** for tooltip info
5. **Change chart type to Scatter Plot**

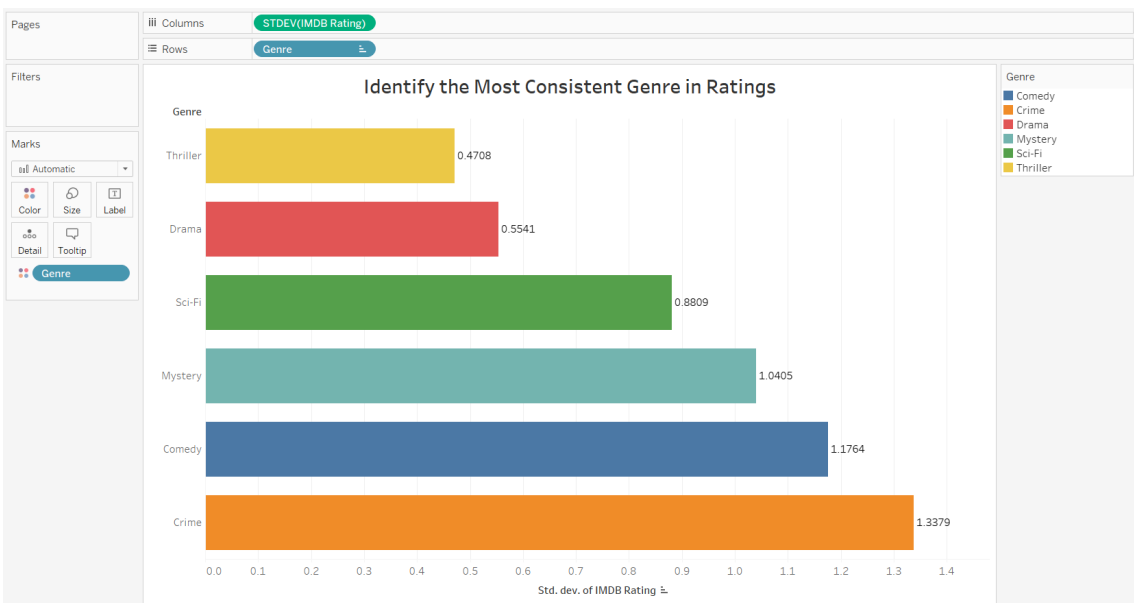



## ✅ Task 9: Identify the Most Consistent Genre in Ratings

**Goal:** Find genres with the most stable audience reception.

**Solution Steps:**

1. **Drag "Genre" to Rows**
2. **Drag "IMDB Rating" to Columns**
   - Change aggregation to **Standard Deviation** or **Variance**
3. **Sort ascending** to identify genres with least variance
4. Optional: Add bar labels to highlight exact values




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

**Goal:** Showcase standout shows within each genre.

**Solution Steps:**

1. **Create a LOD Calculated Field:.**
   - Name: `Genre Average Rating`
   - Formula: `{ FIXED [Genre] : AVG([IMDB Rating]) }`

2. **Create a Boolean Filter Field:**
   - Name: `Above Genre Avg`
   - Formula: `[IMDB Rating] > [Genre Average Rating]`

3. **Drag "Title" to Rows**
4. **Drag "IMDB Rating" to Columns**
5. **Drag "Above Genre Avg" to Filters → Select True**
6. Optional: Add "Genre" to Color or Tooltip for clarity