1. Bar Chart

Purpose: Displays the count of movies released in each year.

- **X-Axis**: `Year` (categorical).
- **Y-Axis**: Count of `Name` (movies).
- **Steps**:
    1. Drag `Year` to the X-axis.
    2. Drag `Name` to the Y-axis and set it to **Count**.
- **Explanation**: The bar chart shows the number of movies released for each year, helping analyze trends over time.

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2. Pie Chart

Purpose: Shows the proportion of movies by category (e.g., Action, Comedy).

- **Legend**: `Category`.
- **Values**: Count of `Name`.
- **Steps**:
    1. Drag `Category` to the Legend field.
    2. Drag `Name` to Values and set it to **Count**.
- **Explanation**: The pie chart visualizes the distribution of movies across different categories, giving insight into the popularity of genres.

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3. Line Chart

Purpose: Shows the IMDb rating trend of movies over the years.

- **X-Axis**: `Year` (continuous).
- **Y-Axis**: Average of `IMDb`.
- **Steps**:
    1. Drag `Year` to the X-axis.
    2. Drag `IMDb` to the Y-axis and set it to **Average**.
- **Explanation**: This line chart represents how the average IMDb rating of movies has changed over the years, indicating quality trends.

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4. Stacked Bar Chart

Purpose: Displays the number of movies per category by age group.

- **X-Axis**: `Category`.
- **Y-Axis**: Count of `Name`.
- **Legend**: `Age`.
- **Steps**:
    1. Drag `Category` to the X-axis.

2. Drag Name to the Y-axis and set it to **Count**.

3. Drag Age to the Legend field.

- **Explanation**: This chart helps understand the distribution of movies in different categories for various age groups.

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5. Area Chart

Purpose: Visualizes the total duration of movies released per year.

- **X-Axis**: Year (continuous).

- **Y-Axis**: Sum of Duration.

- **Steps**:

  1. Drag Year to the X-axis.

  2. Drag Duration to the Y-axis and set it to **Sum**.

- **Explanation**: The area chart shows how the total runtime of movies has increased or decreased over time.

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6. Histogram

Purpose: Displays the distribution of IMDb ratings.

- **Axis**: IMDb.

- **Values**: Count of Name.

- **Steps**:

  1. Drag IMDb to the Axis field.

  2. Set Values to Count of Name.

  3. Use the binning option to group IMDb ratings into intervals.

- **Explanation**: The histogram shows the frequency of movies within specific IMDb rating ranges.

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7. Treemap

Purpose: Displays the count of movies by category and rating.

- **Group**: Category.

- **Values**: Count of Name.

- **Details**: Rating.

- **Steps**:

  1. Drag Category to Group.

  2. Drag Name to Values and set it to **Count**.

  3. Drag Rating to Details for additional segmentation.

- **Explanation**: The treemap highlights the distribution of movies by category and their ratings visually.

8. Slicer

Purpose: Filters data dynamically.

- **Field**: `Year`.
- **Steps**:
    1. Add a slicer to the report.
    2. Drag `Year` to the slicer field.
- **Explanation**: The slicer allows users to filter the charts dynamically by year, providing focused analysis.

9. Matrix

Purpose: Displays a tabular view of movies by category and age.

- **Rows**: `Category`.
- **Columns**: `Age`.
- **Values**: Count of `Name`.
- **Steps**:
    1. Drag `Category` to Rows.
    2. Drag `Age` to Columns.
    3. Drag `Name` to Values and set it to **Count**.
- **Explanation**: The matrix shows the count of movies across categories and age groups, useful for detailed breakdowns.

Recommended Visualizations Using Mesaures

Measure	Chart	Axis/Details
Total Duration (Hours)	Bar Chart	Axis: `Category`, Value: `Total Duration (Hours)`
Average IMDb Rating	Line Chart	Axis: `Year`, Value: `Average IMDb Rating`
Count of Movies	Tree Map	Group: `Category`, Value: `Count of Movies`
Percentage of Hits	Pie Chart	Slices: `Movie Category`, Value: `Percentage of Hits`
Average Duration (Hours)	Bar Chart	Axis: `Category`, Value: `Average Duration (Hours)`

Movies by Year	Stacked Column Chart	Axis: Year, Value: Movies by Year, Legend: Movie Category