

Batch: C-2 Roll No.: 16010122267

Experiment 07

Title: To create an effective Dashboard.

Objective:

- 1. Search/locate and download any Data of Your Choice (Use same dataset if it contains location information)*
- 2. To learn how to create Dashboard*
- 3. Apply best practices to create Dashboard.*

Course Outcome:

CO1: Learn how to locate and download datasets, extract insights from that data and present their findings in a variety of different formats.

CO3: Apply data visualization best practices

CO4: Design static charts, interactive Dashboards and data stories

Books/ Journals/ Websites referred:

- Data Visualisation: A Handbook for Data Driven Design
- Fundamentals of Data Visualization
- Designing Data Visualizations: Representing Informational

Resources used:

Kaggle Dataset

Theory:

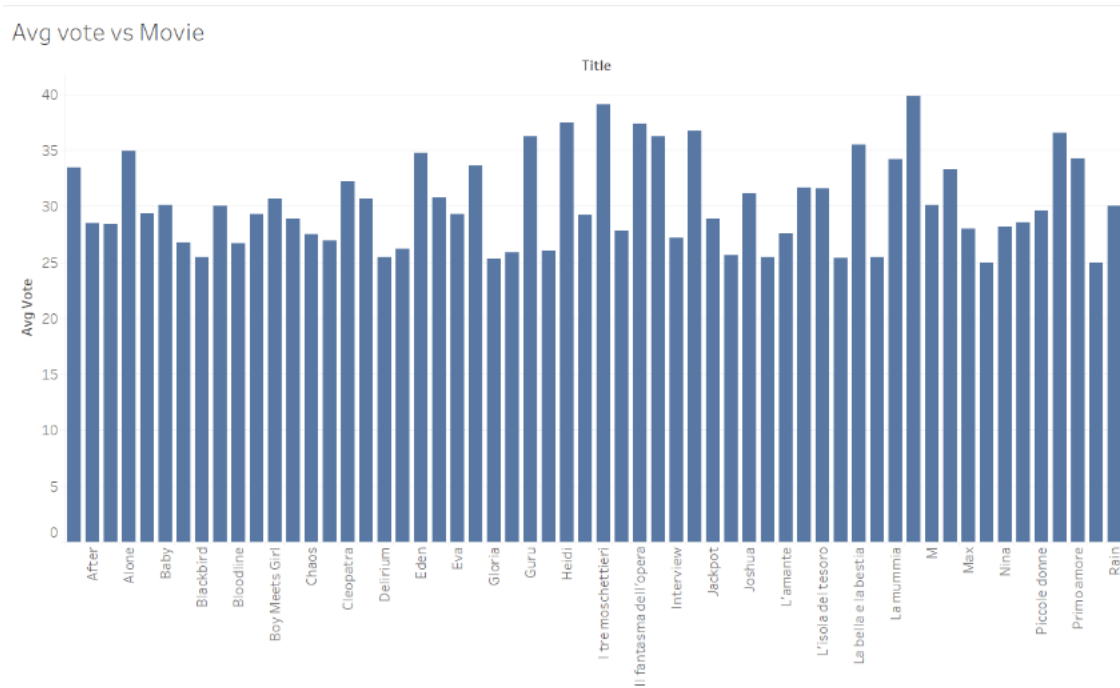
A dashboard is a collection of several views, letting you compare a variety of data simultaneously. For example, if you have a set of views that you review every day, you can create a dashboard that displays all the views at once, rather than navigate to separate worksheets. Like worksheets, you access dashboards from tabs at the bottom of a workbook. Data in sheets and dashboards is connected; when you modify a sheet, any dashboards containing it change, and vice versa. Both sheets and dashboards update with the latest available data from the data source.

Following points should be written by students

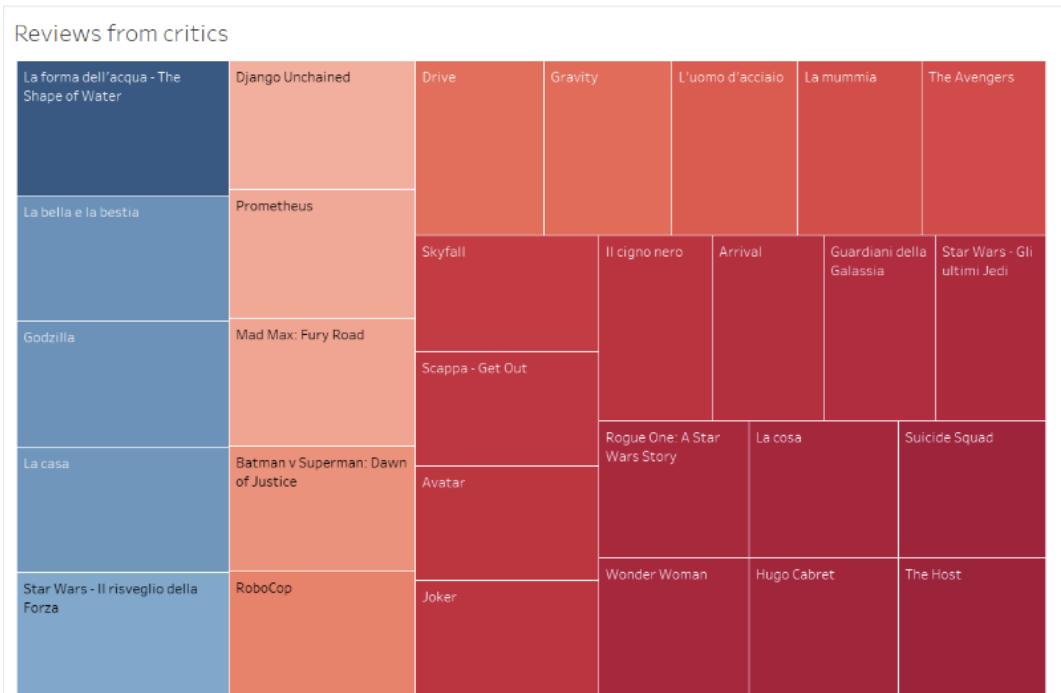
1. Best practices of effective Dashboard.
2. Create Dashboard.
3. Create Accessible Dashboard.
4. Create Dashboard Layouts for Different Device Types.
5. Publish the dashboard online.

Note: Detail observation (with interpretation) needed along screenshots wherever required

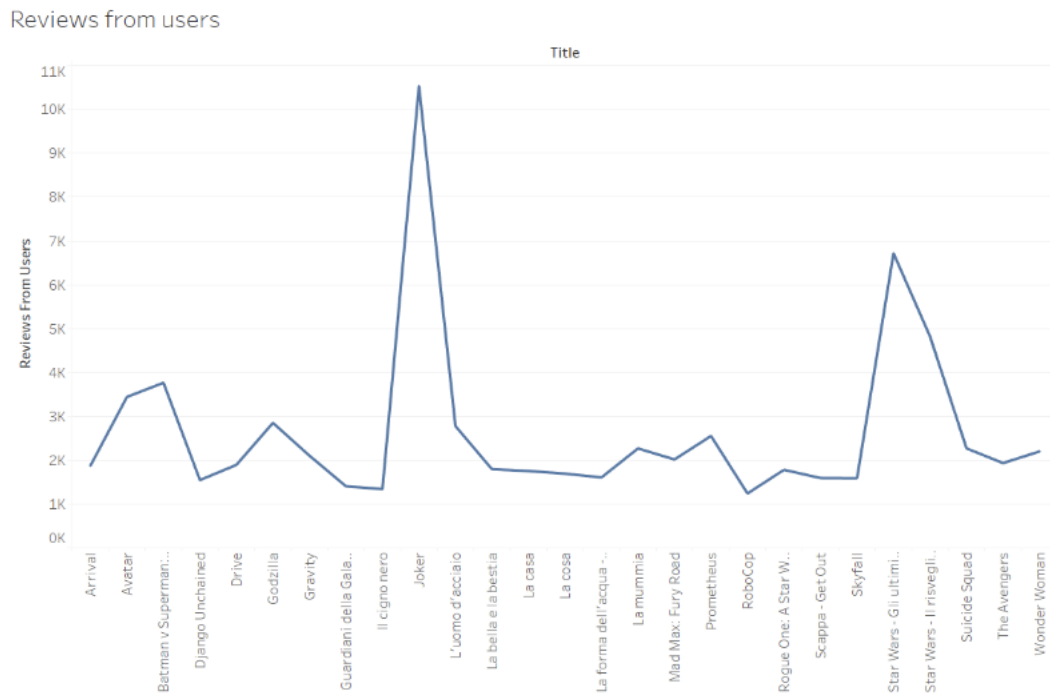
1. Average votes for movies in the range 25 to 40 is shown. These movies are good, rated movies.



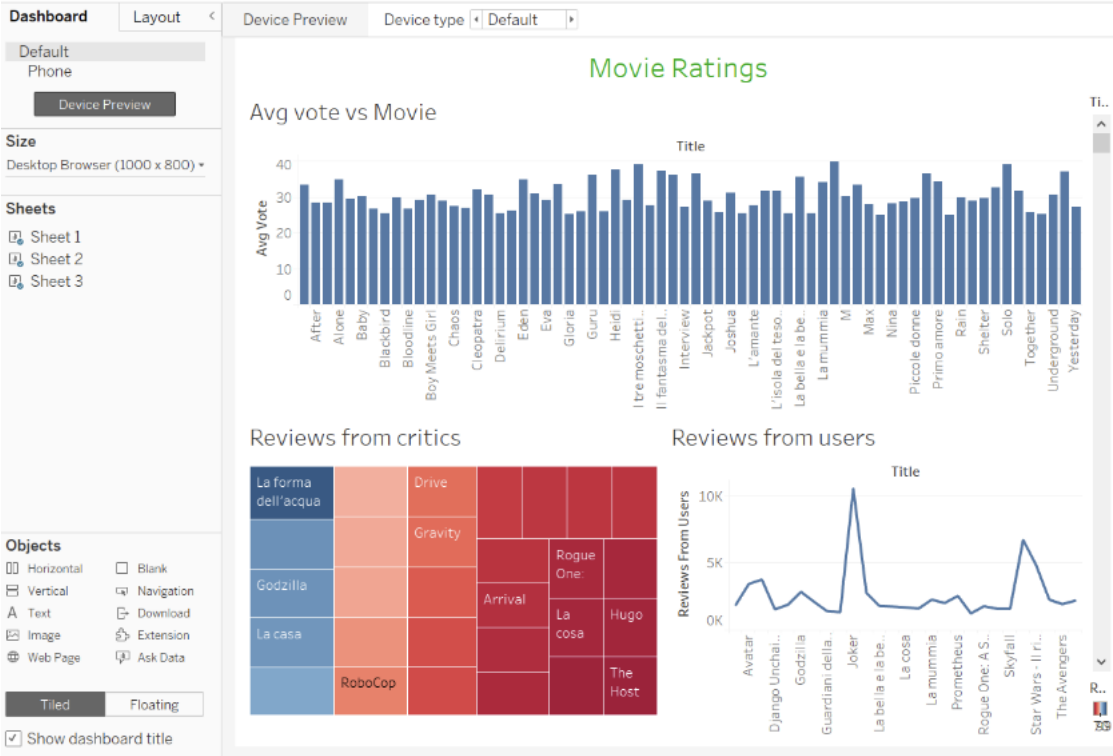
2. These are the reviews from critics. These depict some popular movies since they have a good number of reviews (700 – 999).



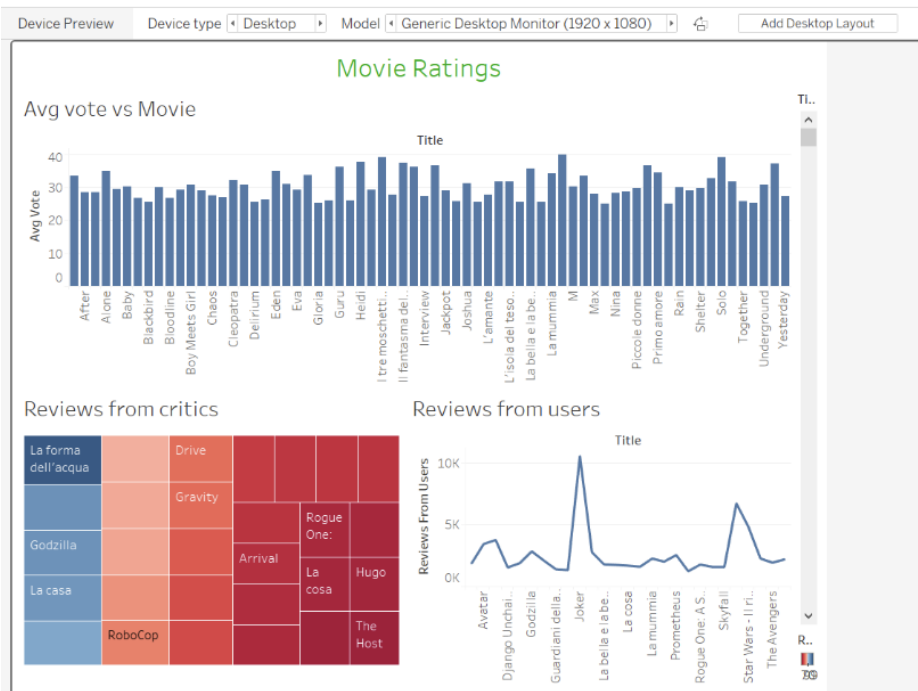
3. These are the reviews from users. They give a general idea about the popularity and ratings about the movies.



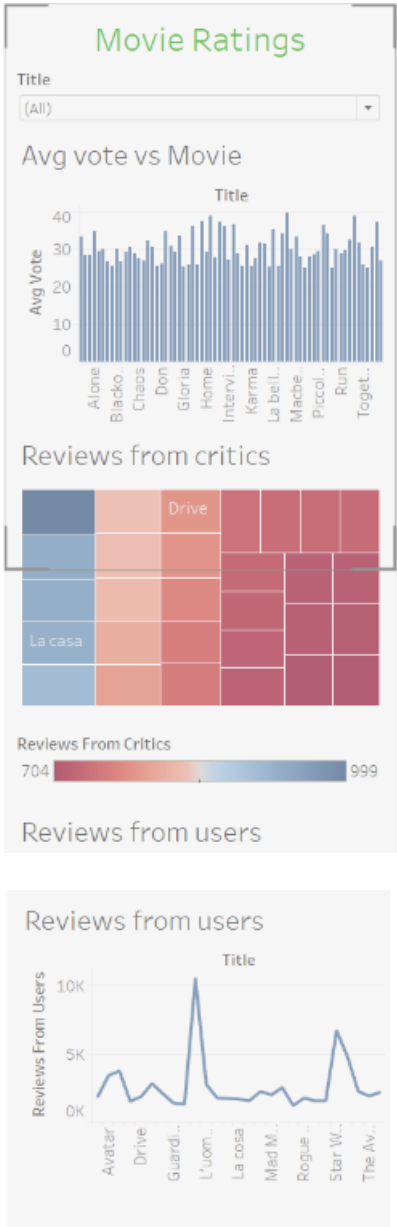
Default Dashboard: This was the default dashboard created by me using the above-mentioned sheets. I gave it a headline and rearranged the sheets to fit in the dashboard.



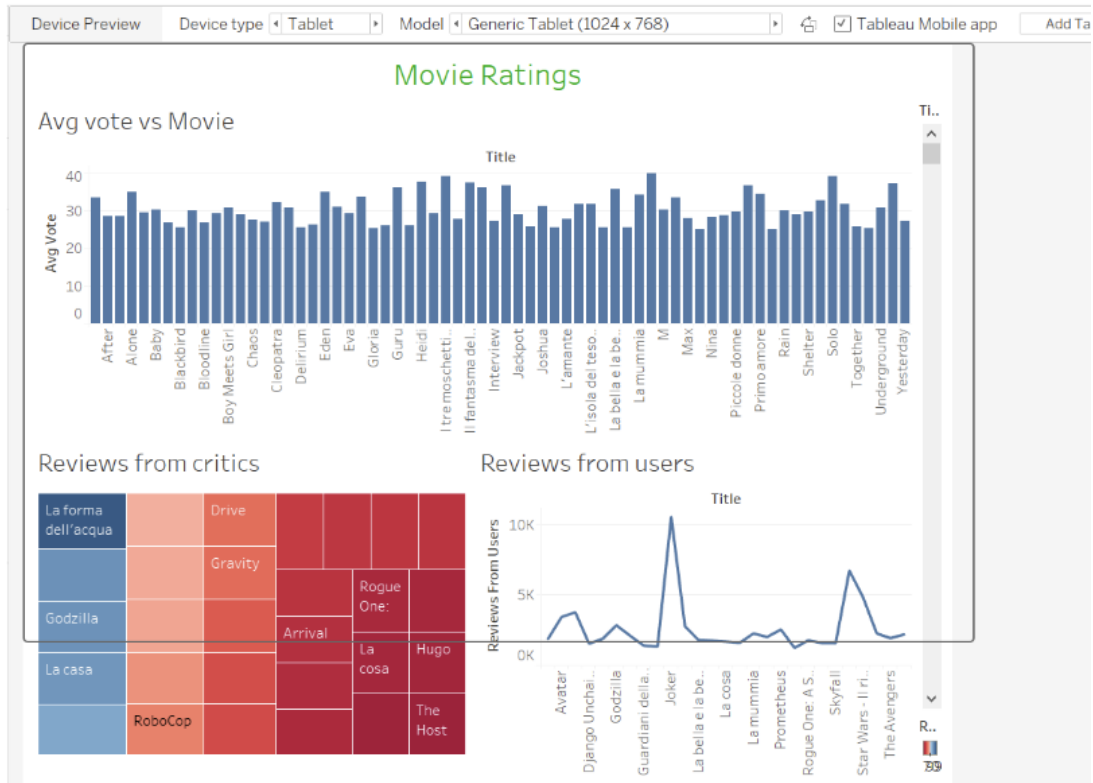
Desktop Mode Preview:



Phone Mode Preview:



Tablet mode:



Conclusion:

Various types of charts and graphs were explored and implemented. Then the sheets were put together in dashboard. The concept of charts and dashboard were understood and implemented.

Date: _____

Signature of faculty in-charge

Post Lab Question:

1. Explain the Advantages and Disadvantages of Dashboard

Ans:

Advantages:

- Visual, branded and built with “speed of thought” in mind
- Can combine Marketing Analytics, eCommerce Sales, and other otherwise disparate data into a single view

Disadvantages:

- Can be costly to assure executive, management, and operational needs are met
- Impact leans heavily on maintaining consistency vs growth or improvement