

Title: To create an effective Dashboard in Tableau.

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 in Tableau*
 3. *Apply best practices to create Tableau Dashboard.*
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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 Create compelling, interactive dashboards to combine several visualizations into a cohesive and functional whole.

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:

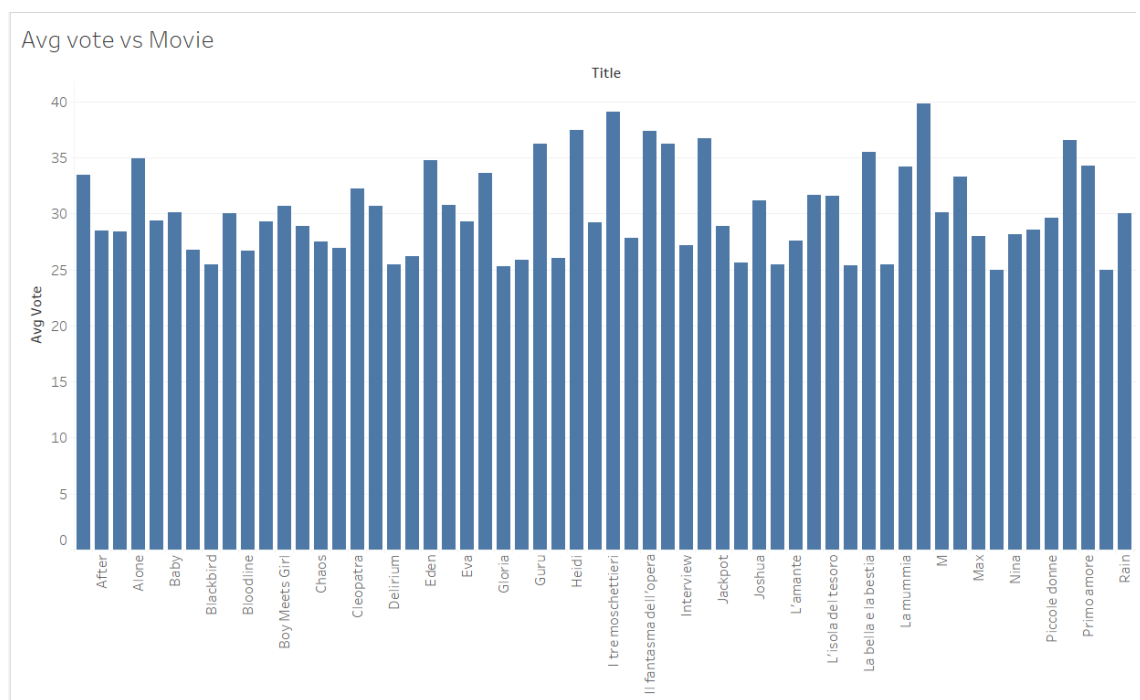
A dashboard is a collection of several views, letting you compare a variety of data simultaneously. For example, if you have a set of views that you review every day, you can create a dashboard that displays all the views at once, rather than navigate to separate worksheets. Like worksheets, you access 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.

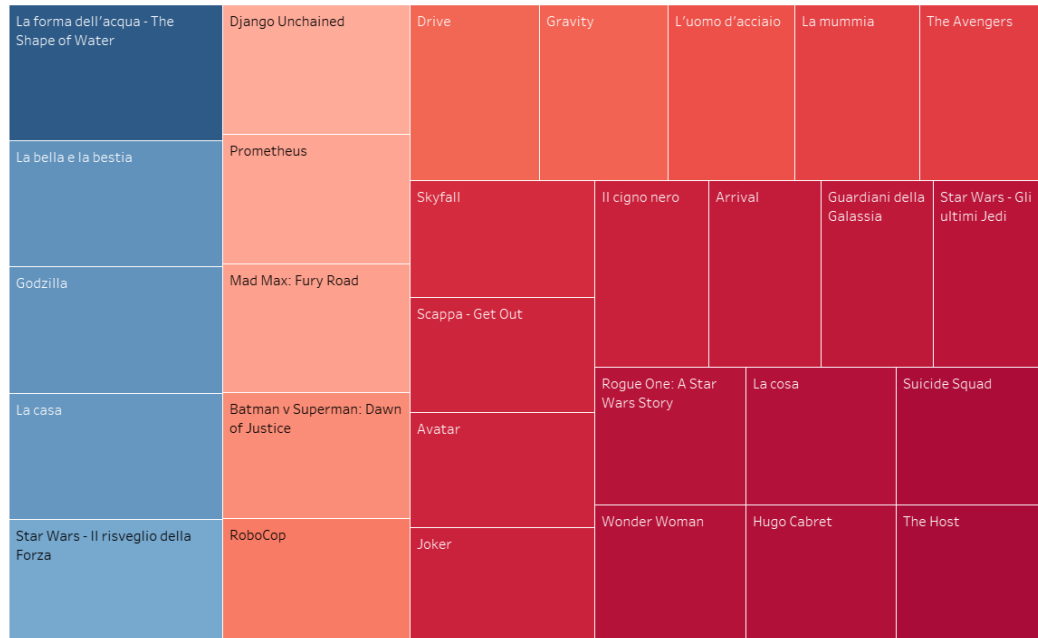
All Screenshots:

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



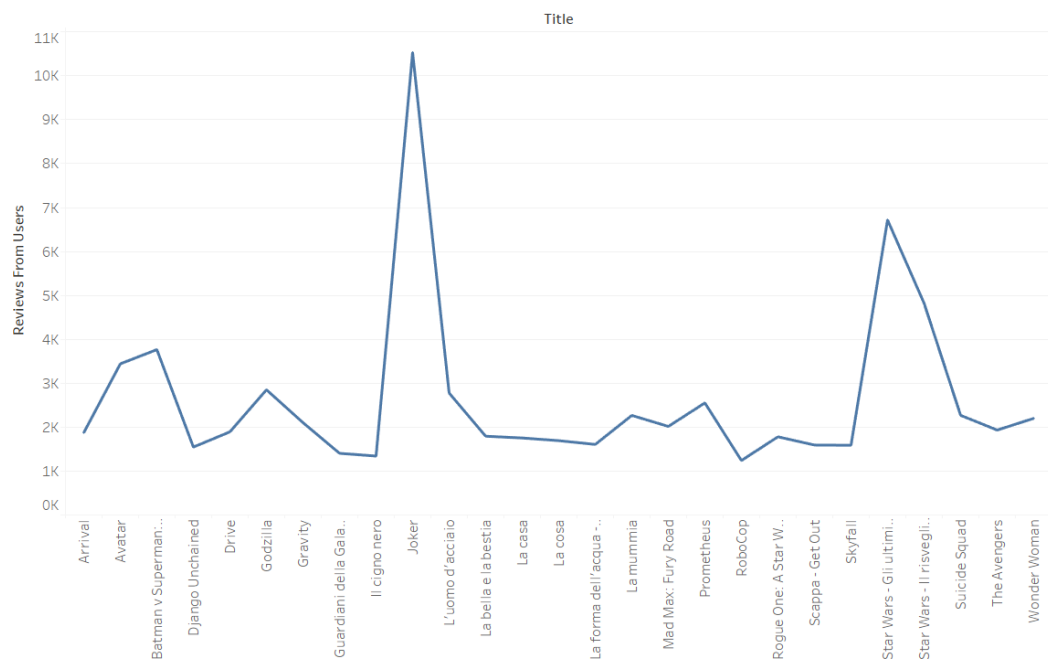
2. These are the reviews from critics. These depict some popular movies since they have a good number of reviews (700 – 999).

Reviews from critics

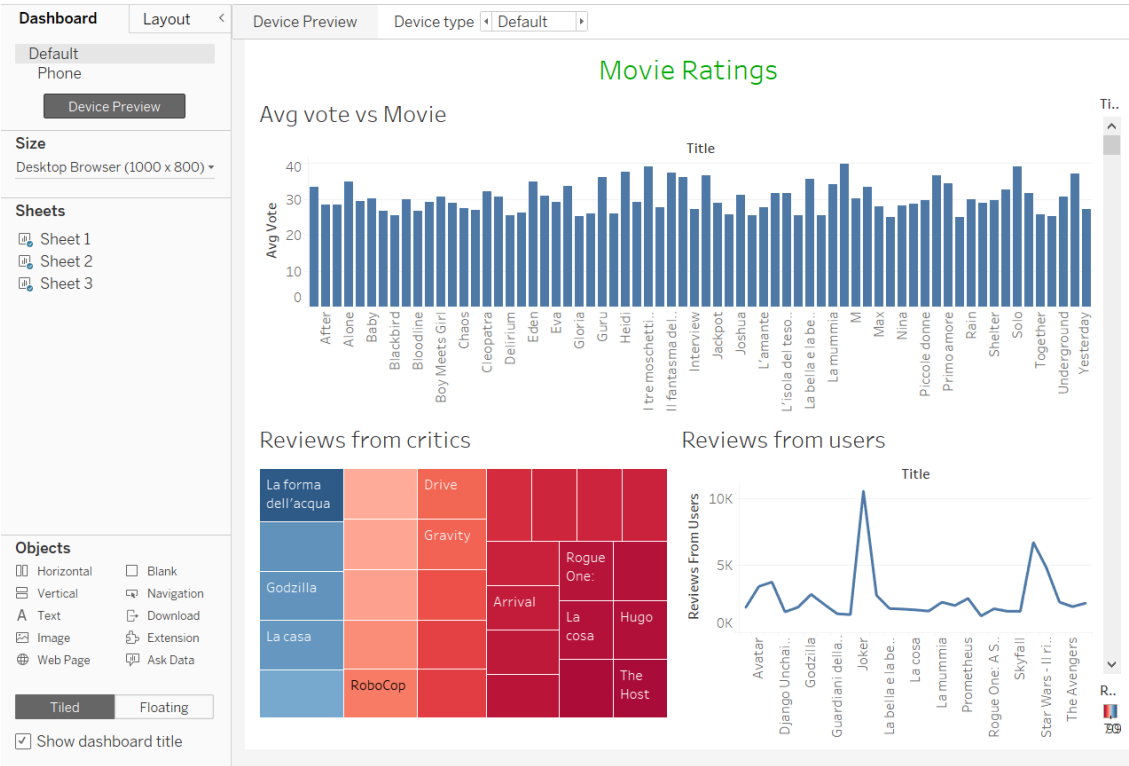


3. These are the reviews from users. They give a general idea about the popularity and ratings about the movies.

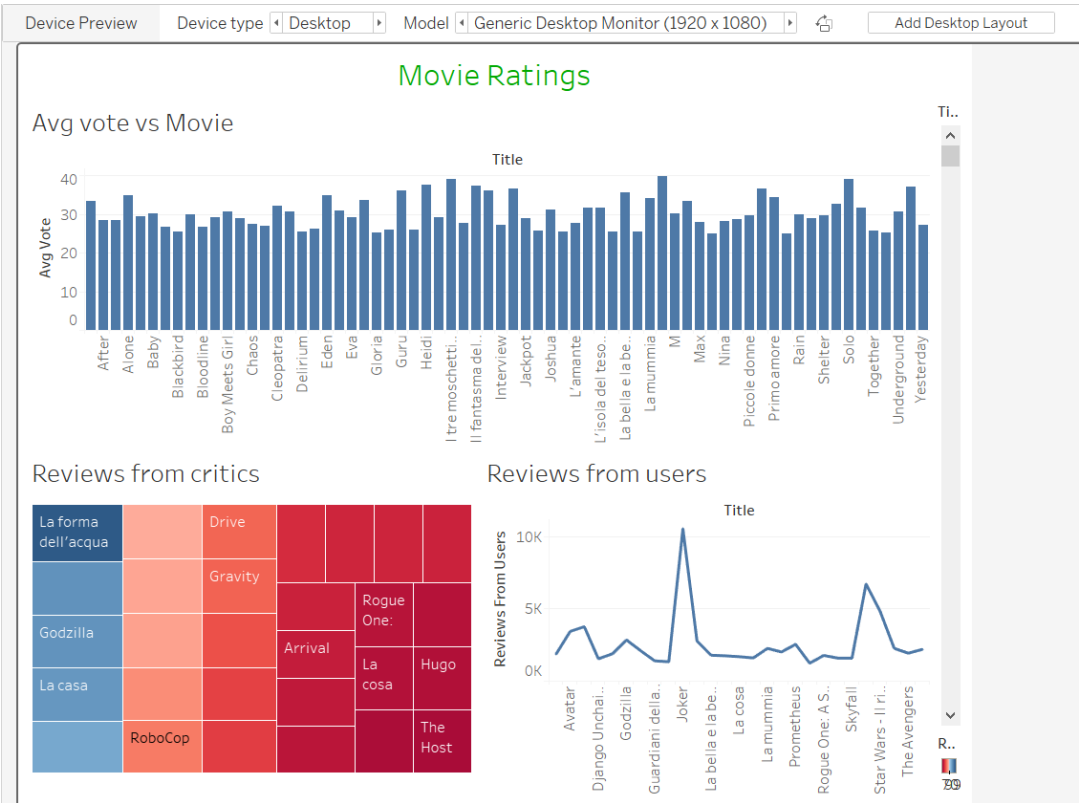
Reviews from users



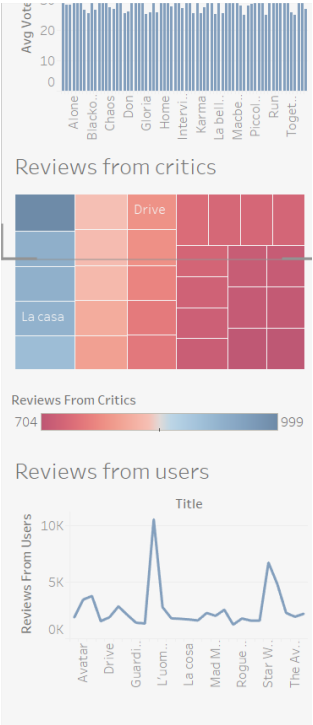
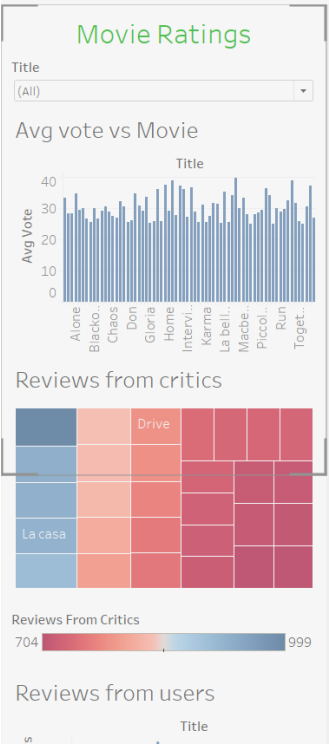
Default Dashboard: This was the default dashboard created by me using the above-mentioned sheets. I gave it a headline and rearranged the sheets to fit in the dashboard.



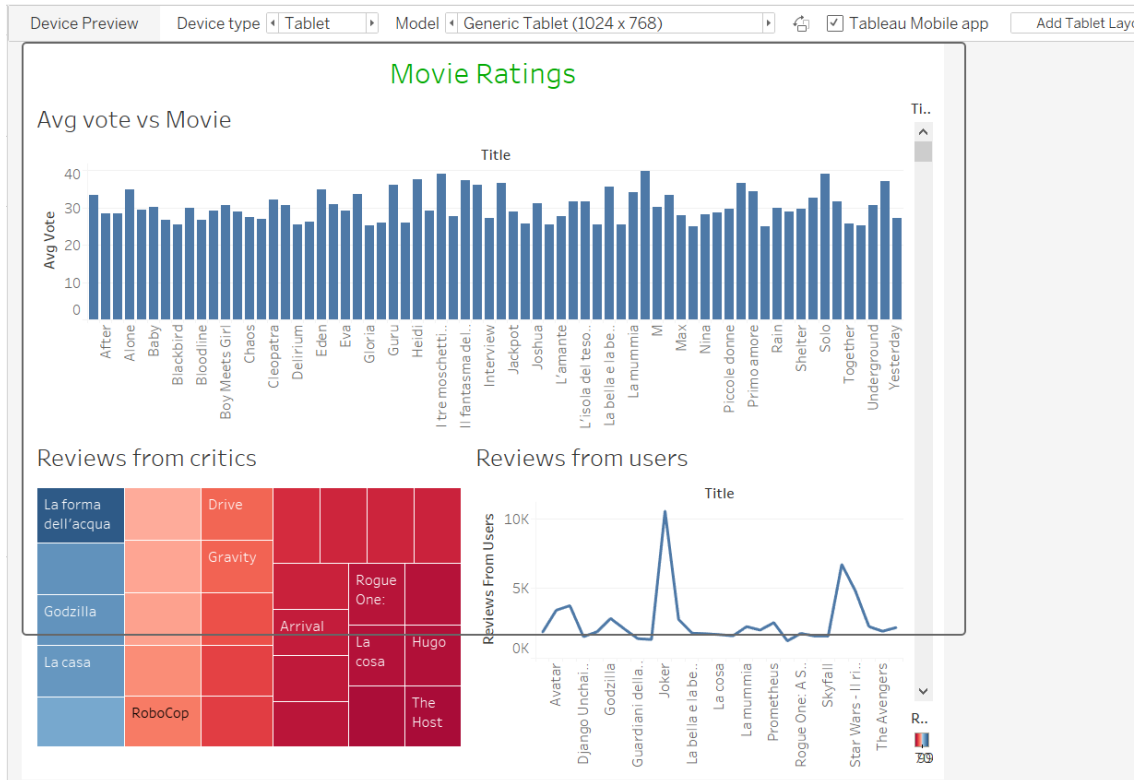
Desktop mode: The screenshots are a preview on desktop mode.



Phone mode: The screenshots below are the preview of what the dashboard would look like on the phone screen.



Tablet mode: The screenshots are a preview for dashboard on tablet.



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

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