Joël Lingg, Ferdinand Ytteborg, and Fredrik Hægermark

Milestone 2 - Video streaming platforms

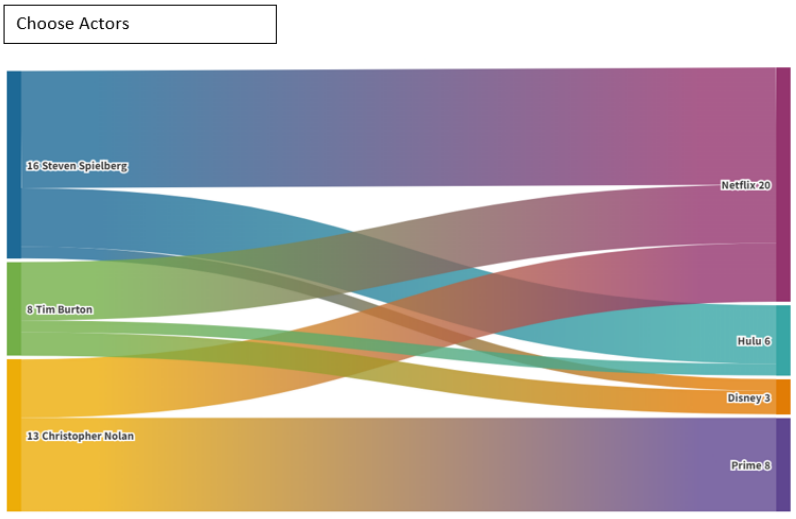
The goal of this project is to create an interactive website where the user can easily compare the different streaming providers with each other. Our ambition is that the website, through data visualizations, can help the user make a decision on which streaming provider to choose based on some of their own preferences for movies and series by parameters as genre, actors or directors. In order to make this decision easier, we will have one core visualization with the possibility of complementary visualizations that show some of the characteristics of the different providers as well as compare them in different aspects.

Facts and Figures

Here we would like to give a basic summary of our findings in the explanatory data analysis done for Milestone 1. This plot will be static images rather than adaptive visualizations. We want to design this section mainly for the people who prefere quantity over quality. So it will be a bar plot showing the number of movies and shows for each streaming provider. However, this part will not be our focus and merely serves the purpose to deliver a well rounded project.

Sankey-Diagram

Our core visualization should be a Sankey-Diagram. It should allow the user to select their movie preferences and display the platform they are on. We plan to have filters for Actors, but we could envision adding options like Directors, Year of release or similar selections. The user should be able to input their desired search with a drop down menu. Then the Sankey diagram should show how many movies each provides has with their favorite Actors. We probably are going to use the d3 sankey plugin and the Bootstrap Multiselect feature. Sankey diagrams are slightly covered in the Map lecture.



[1]

Minimal Requirement

- Sankey-Diagram showing the connection of Actors to the Streaming provider
- User has the ability to choose their beloved actors, given they have at least one movie/TV show in our dataset

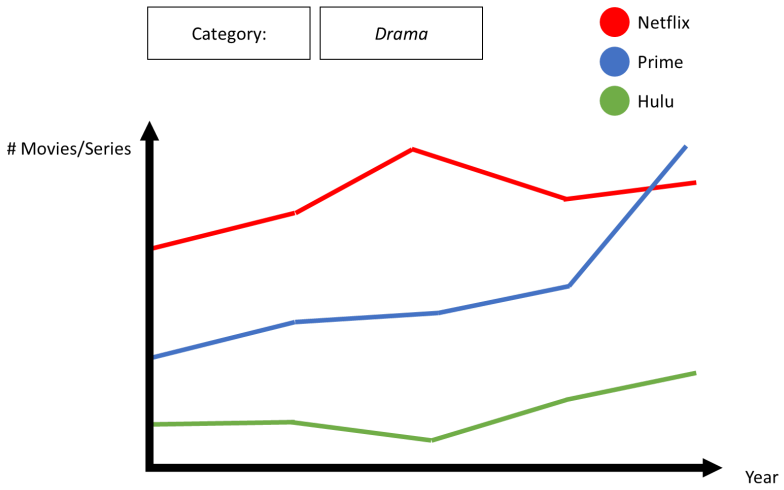
[1] Note that the data is not the real data since the data needs some aggregation. It is purely indicative to show how we envision the visualization.

Additional Ideas

- Adapt from Actors to other properties like Directors, Categories or Country. This can be done by adding multiple dropdown menus to the plot.
- Give the user additional filters like time constraints. This could be done by a range slider.
- Add a hover menu which shows the exact numbers of each line. This might be already included in the sankey plugin mentioned above.

Line chart

Another diagram that might be very suitable for showing what kind of categories the different providers have, is by having an interactive line chart with a drop-down menu with the different categories. Showing the number of movies and series released from a given category, decided by the user, can give the user a nice pointer of what he can expect in terms of new releases in the categories he likes, as well as what is already on the platform. Below you find an example of how we picture might will look like.



Tools that we will use in order to achieve a visualization such as this one are Line, Scale, Bootstrap Multiselect and Axis. To this end, exercise 3 and 4 might be relevant as well as the introduction part to d3.

Minimal Requirement

- Line diagram showing the content added over time
- User has the ability to choose his beloved category, given they have at least one movie/TV show in our dataset

Additional Ideas

- Adapt from Categories to other properties like Directors, Actors or Country.
- Add the option to switch between the year of adding a movie and the year of ceating the movie.
- Add a hover menu which shows the exact numbers of each line.

Additional Ideas

We could imagine doing a map showing where the most content of the streaming platforms are produced. However, the data regarding the country is rather sparse. So this remains an additional idea and not our main focus.