Movies Information

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Abstract

# Motivation and objectives

Everyone watches movies but doesn’t know much about them. The goal of this project was to give more insights about the movies overall, this is, the countries that produce them, the genres that are more produced, and the more popular movies at the time the dataset was made.

# Users and the Questions

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## Characterization of the users and their context

Everyone can use this platform, but it it’s for people that are interested in finding out more about movies overall.

The tested users

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## Questions to Answer

**General:**

* What countries produce the most movies?
* What genres of movies are more produced?
* What are the popular movies right now?

**Specific:**

* What’s the revenue of the USA from 1950 to 2000?
* What genres have movies with the highest ranking?
* What are the most popular romance movies in Australia?

# Dataset

The Dataset used is ‘The Movies Dataset” from Kaggle. It has several columns but only 8 are used: budget, genres, popularity, production\_countries, release\_date, revenue, title, and vote\_average.

# Visualization Solution

For visualizing the solution, firstly, a fidelity prototype was made and tested on some users. After finalizing the first version of the functional prototype done, it was also tested. Lastly, the feedback was applied and a high fidelity prototype was developed.

## Low fidelity prototype and user feedback

Our first development of the prototype was simple and ended up suffering a major rework. First, we visualized a single web page with 3 graph visualizations.

The first visualization would be a choropleth map with the world distribution of movie production. Some filters would be available like the release date and a max-min range filter.

Secondly, a plotlines graph would be used to present the results about some selected countries. The user would be able to select specific them from the list on the left and check on some details about them. Finally, a horizontal bar chart would also be available to visualize the works of certain actors. Like the one before, there would be an option to select specific actors and see their genre distribution.

Graphical user interface

Description automatically generated

1. Aspect of the low fidelity prototype

As mentioned previously, this LFP suffered a major rework.

**#INSERT SOME BS Heuristic Evaluation and Feedback**

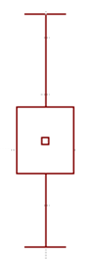
As such, we developed a second prototype taking more into consideration the target’s audience needs to search for a movie/show.

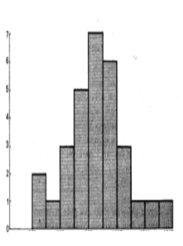
As such, taking into consideration all the feedback that we received, we developed a second prototype as seen below and started implementing it.

## As mentioned previously, this suffered a major rework. Firt p

## Functional prototype

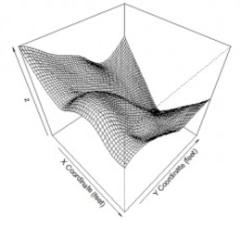
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1. Visualizations to answer question Q1.

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1. Visualizations to answer the question Q2.

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## Implementation challenges

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## Evaluation and changes in the prototype

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# Conclusion and Future Work

References