# NETFLIX

### An analysis of the biggest streaming service platform

Scientific Data Visualization

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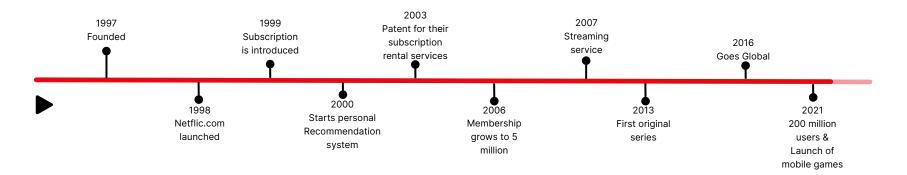
# **A**genda

- 1. Introduction
- 2. The Dataset
- 3. Data analysis with static graphs
- 4. Dynamic visualizations in Tableau

## Introduction

Netflix is one of the world's leading entertainment services with 221 million [2022] paid memberships in over 190 countries enjoying TV series, documentaries, films and also mobile games across a wide variety of genres and languages. Members can watch as much as they want, anytime, anywhere, on any internet-connected screen. Members can play, pause and resume watching, all without commercials or commitments.

## **Netflix timeline**



### The Dataset

This data set was created to list all shows available on Netflix streaming, and analyze the data to find interesting facts. This data was acquired in May 2022 containing data available in the United States.

The dataset is composed by two different files. The first about Movies and Shows on the platform and the second one with information about the cast and the credits for every content.

- titles.csv
- credits.csv

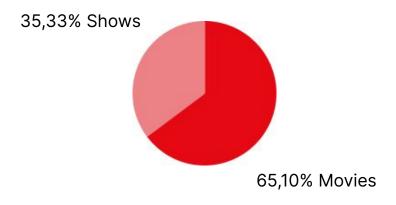


## **General description**

Number of movies: 3.571

- Number of shows: 1.938

- Range of release year 1945 to 2022



credits.csv has 16.859 lines titles.csv has 5.509 lines

## **Available variables**

Whats included in the dataset?

Titles Dataset Title ID Genre Runtime Age Certi-Description Title **IMDB Votes** fication **TMDB** Release Year **IMDBID** Show Type **Popularity** Production **IMDB Votes** Seasons **TMDB Score** countries

**Credit Dataset** Role: Actor/ Person ID director Character ID names Actor/ director names



# **Data Analysis**

#### 2022 | English

Some graphs about Netflix's data that show trends on the platform and interesting hypothesis to understand better the future of the streaming service.









Season 1 ▼

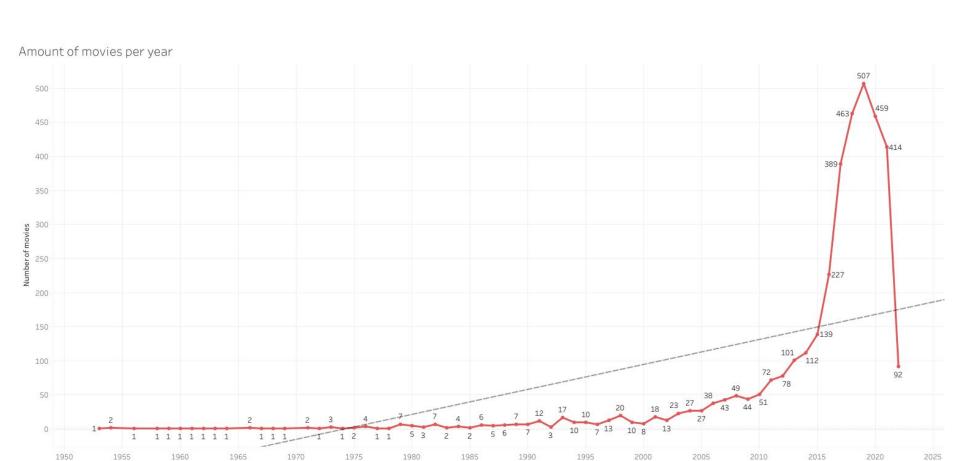




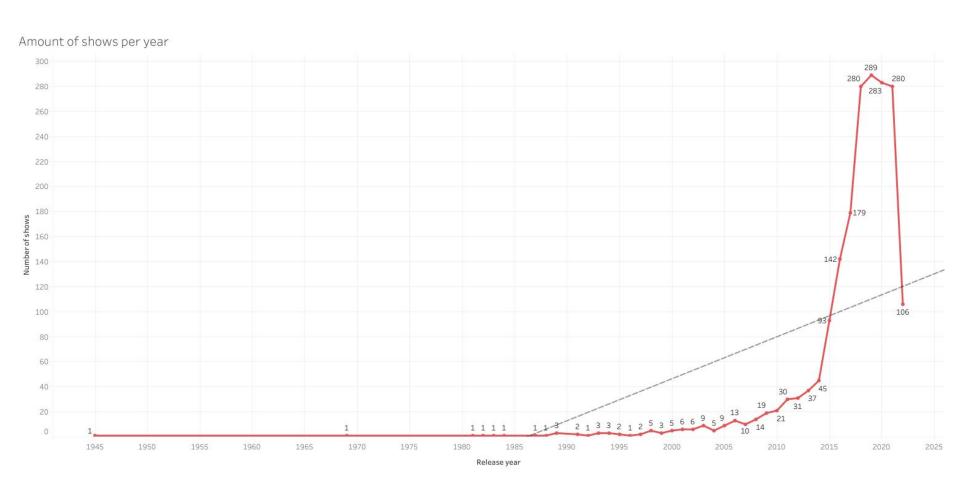




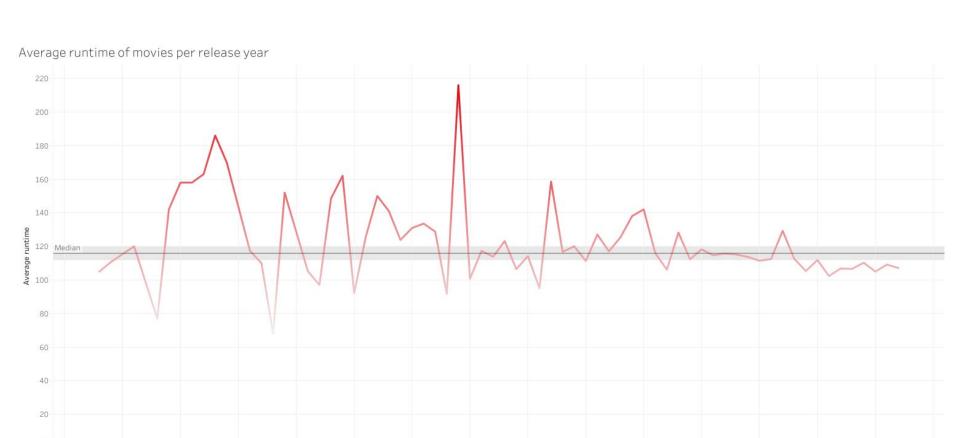




Release year



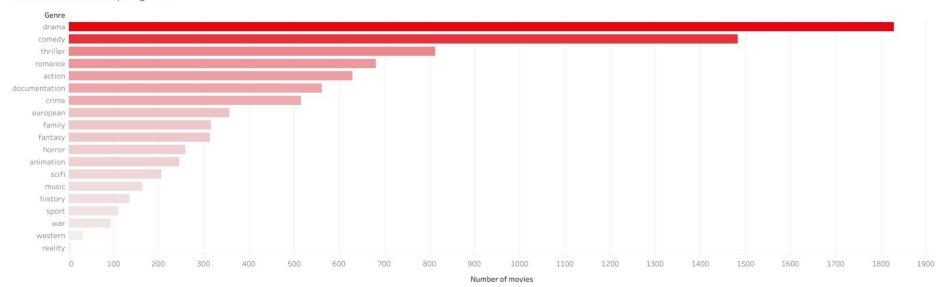




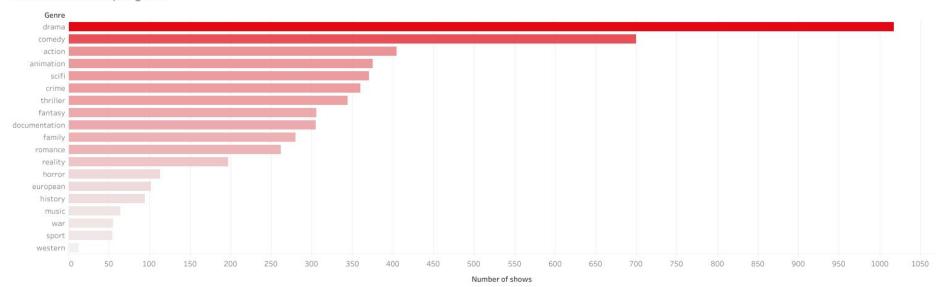
Release year



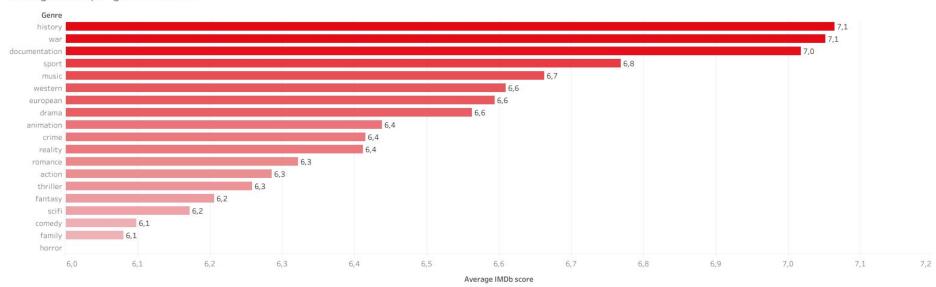
#### Number of movies per genre



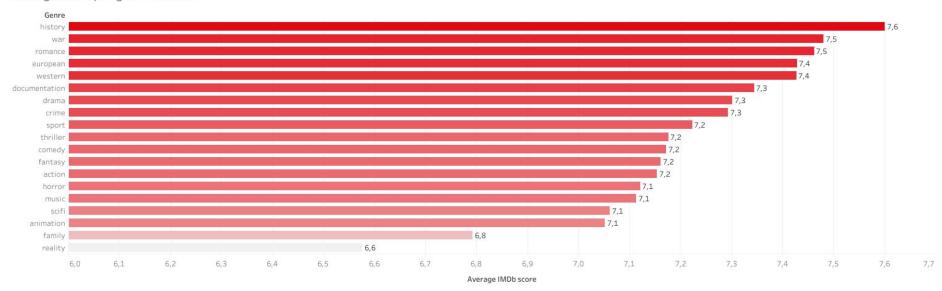
#### Number of shows per genre



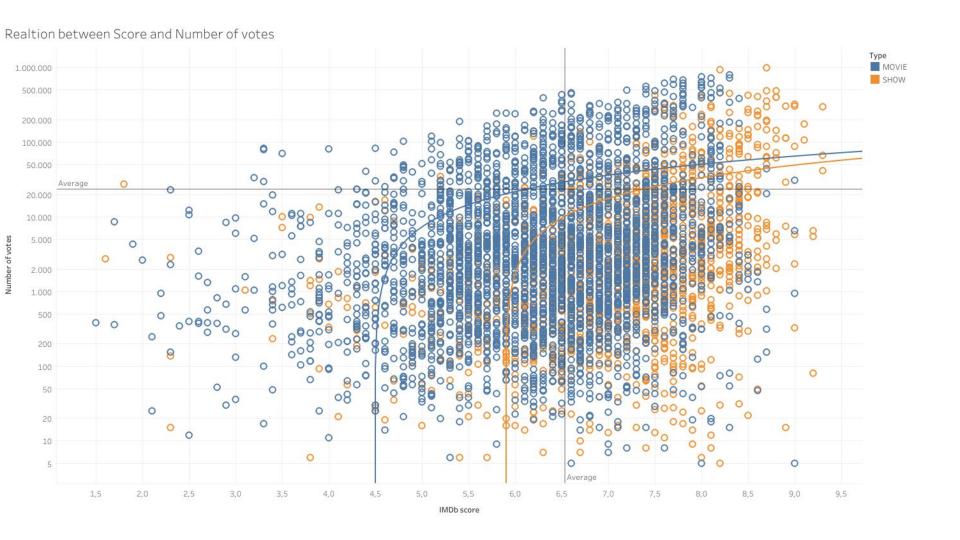
#### Average score per genre: MOVIES



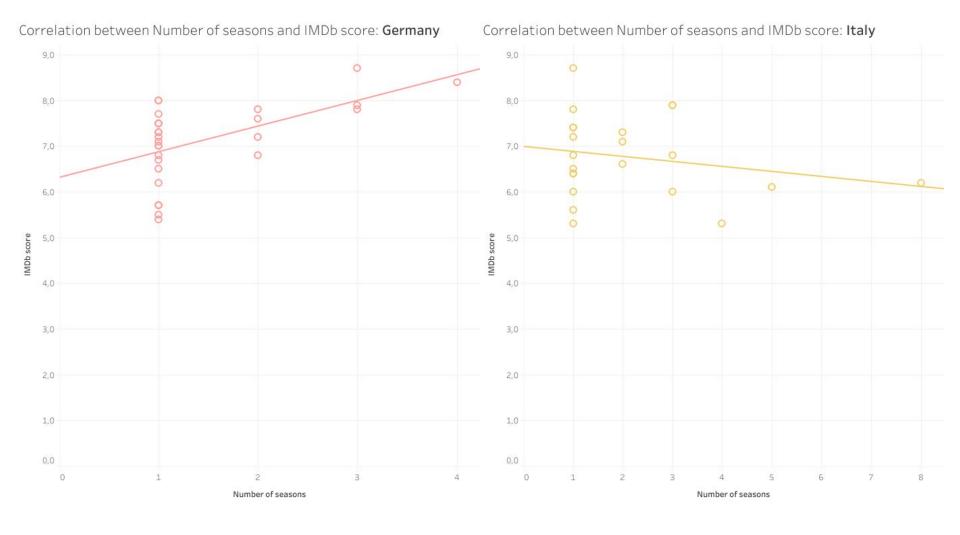
#### Average score per genre: SHOWS

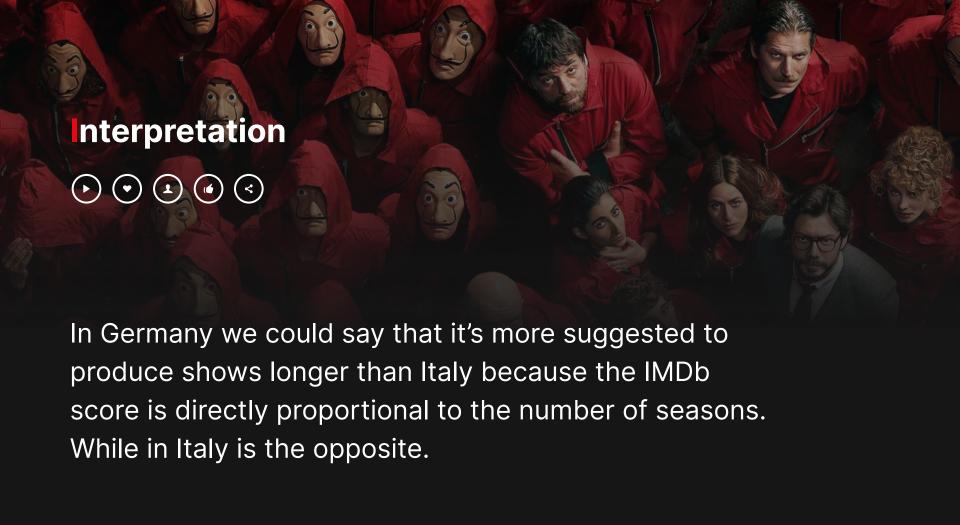








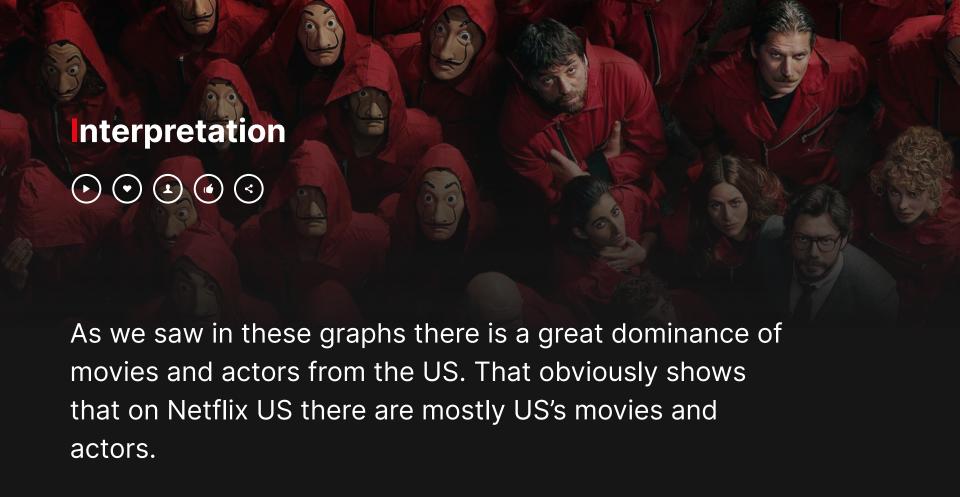






#### Number of actors per country





## **Dynamic visualizations in Tableau**

All visualizations we made have been done using Tableau, a software used for data visualization and business intelligence activities.

Using Tableau we created an interactive dashboard which display and show graphs with the possibility to filter the data through different variables.

Let's take a look to this tool!

# THANKS