

Project Proposal

The report is one of the T5 Bootcamps requirement

➤ Abstract

- Netflix is one of the most popular media and video streaming platforms. They have more than 8000 movies or TV shows available on their platform, these days we realize how much people are interested in movies and TV shows for this platform and how it affects all aspects of our lives, especially in business.

- Is there an increase in the number of movies compared to TV shows in the last two years?
- What is the most popular category of movies or TV shows?
- In which country are the projects produced the most?
- Has the duration of the movie or TV show increased in the past two years?

➤ Dataset

- To get results and achieve the goals, the dataset Netflix movies & TV shows will be used. The dataset is provided in.csv format. it contains 8,807 movies & TV shows , and has 12 features.

Reference: <https://www.kaggle.com/shivamb/netflix-shows>

- This dataset contains the following features:
 - shows_id
 - type: movie or TV shows
 - title: name of the movie/TV show
 - Director of the project
 - cost of the project
 - release year
 - rating
 - listed_in: category of the project
 - Description of the movies/TV shows
- A sample of the dataset is shown in the following table:

show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description	
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father nears the end of his life, filmm...
1	s2	TV Show	Blood & Water	NaN	Ama Oamata, Khosi Ngema, Gail Mablane, Thaban...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, TV Dramas, TV Mysteries	After crossing paths at a party, a Cape Town t...
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Act...	To protect his family from a powerful drug lor...
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations and toilet talk go down amo...
4	s5	TV Show	Kota Factory	NaN	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, Romantic TV Shows, TV ...	In a city of coaching centers known to train l...

➤ **Tools**

- There are tools that will be used to achieve the project goals, such as : matplotlib, pandas, numpy, scipy. to discovering the data and get results.
- The Programming language used is Python3
- The work will be done through Jupyter notebook.
- The PowerPoint for Presentation

➤ **To Do**

- Explore the data and come up with EDA phases and use the result to answer questions.
- **NOTE:** The used features may be increased or changed and the result as well.