

# Research Paper on TV Show Popularity Analysis

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**Abstract** - The activity of Social-TV viewers has considerably grown in the last few years. The web TV Show. Recommendation based on analysis is quite interesting and extremely challenging. Reality shows are growing day by day within today's generations. There are many exceptional ways to find the Television Rating Point (TRP). Users can be able to add ratings, suggestions, comment on them and review on TV shows. The web has been socially empowering many audiences in unique ways. Nowadays the rapid development of sharing websites, so many people would like to be audiences in their daily entertainments such as TV shows and websites, to attract major audiences many efforts have been taken for popularity prediction.

Distinct episodes are released on specific days to are expecting the popularity of TV suggests to be tough so we introduce this scheme that predicts the TV shows primarily based on sentiment evaluation. Sentiment analysis algorithms provide social media surveillance as they give us an overview of the general public opinion behind some topics. The use of assumption examination can separate bits of knowledge from social information is a training that is in effect generally embraced by associations across the world. This work aims to gauge the performance of TV programs and conjointly calculate what number of folks are likable to a specific show or actors of that show and predict the quality of that show, supported by the text reviews. we tend to be becoming reviews on social networking websites.

The main purpose is to find the ratings. Nowadays most of the TV shows are reality based on dancing, singing, and acting. There are many shows telecasting in different channels. There are many ways to find out the view count. We can find out which show has the highest rating and is considered as the most viewed show.

**Key words-** TV show recommendation, Analysis, Social application, Review analysis

## 1. INTRODUCTION

In today's world, the Internet has become a very important part of our daily lives. Social television is a new paradigm which has received much attention over the past decade, research has brought us new technologies to support interaction among users. TV entertainment has gone far beyond traditional broadcasts. The objective of this sentiment analysis is to improve video-on-demand recommendations by exploring social interactions between users. In television programs, referral programs are

recommended to viewers based on sentiment analysis. Users are provided to add ratings and reviews on the show of their interests.

In this social app, users can send friend requests, get friend requests and also display friends online and can also share shows with their friend. Easy predictions of trending shows based on viewers' reviews or comments. Positive and negative comments can be obtained easily by applying some keyword methods Importation and presentation data in a graph for a better understanding. By performing sentiment analysis on review and applying emotions related to post. Emoji using the data mining technique also users can verify other users emotion-related exposure. To evaluate the performance of TV shows graphical results are presented in bar graphs to view overall results To attract large audiences, many efforts need to be taken into consideration. Different episodes should be released on different days or weekends for known the popularity check.

TV show popularity prediction using sentiment analysis is one of the most interesting and challenging tasks. Episodes of a particular TV show released on weekends or holidays may attract more audiences than those on workdays. In addition, since different episodes are generally published on different days, predicting the popularity for television shows is one of the interesting tasks.

Easy prediction of the TV show which is trending based on individual ratings can be done. Good or bad comments can be predicted based on reviews or comments. This way visitors will get to know the show's popularity. Reality shows are the new mantra for television producers and channel executives.

## 2. Surveys

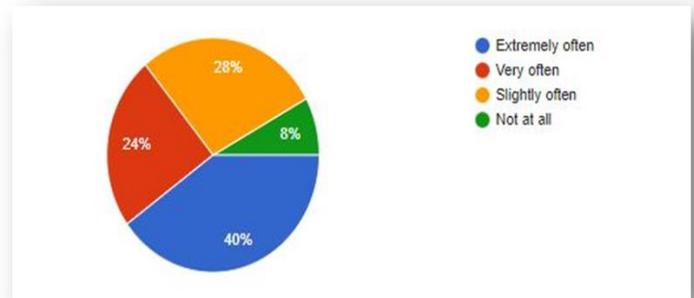
The basic purpose of an online survey is to collect data from targeted people. The main objective of the project is to find the rating of a particular show and predict the show which is viewed the most. A questioner was sent to thirty people by email. I exploit a random technique to succeed in at responders. I send samples a mail require to be part of a survey. Some of the queries which are asked in the survey are given below:

1. What is your age group?
2. What is your profession?

3. How often do you watch television shows?
4. What is your favorite kind of television show?
5. Do you use the internet to catch up on missed shows or programs?
6. Do you watch a program based on its popularity or your choice?
7. Do you suggest TV show to anyone?
8. Does the show's popularity help you to choose the show?
9. What makes you choose to watch a specific TV program?
10. Watching TV show can make you\_\_\_\_\_.

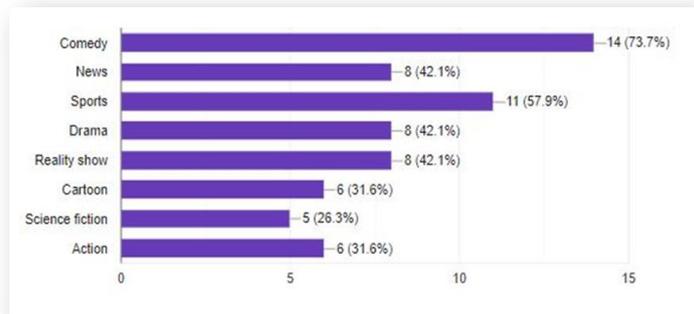
Here you can observe that from different types of professions like students, working, homemaker and retired peoples are watching a different TV show.

3. How often do you watch television shows?



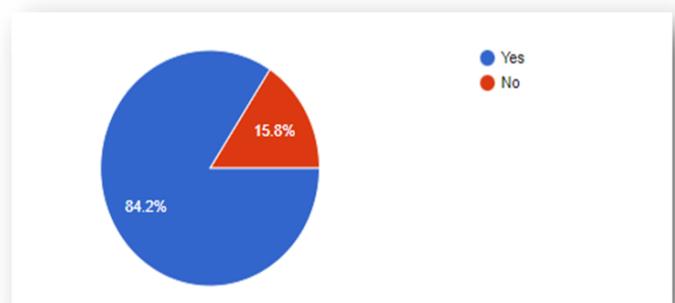
As per the above figure, audiences watch more TV shows that mean based on their opinion TV shows get the right rating.

4. What is your favorite kind of television show?



It's clear from the survey that comedy shows are more popular than other shows. Nearly 57% of users watch sports. And remaining users watch other's shows. So maximum number of users watch TV shows, so they can give correct rating for different TV shows.

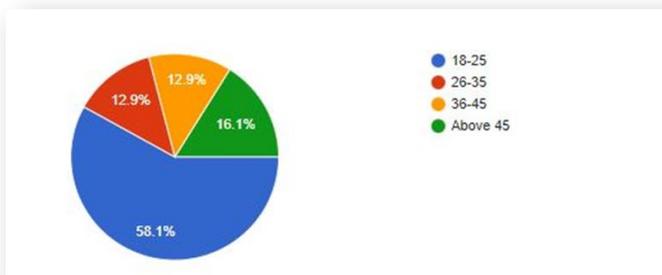
5. Do you use the internet to catch up on missed shows or programs?



### 2.1 Findings in survey

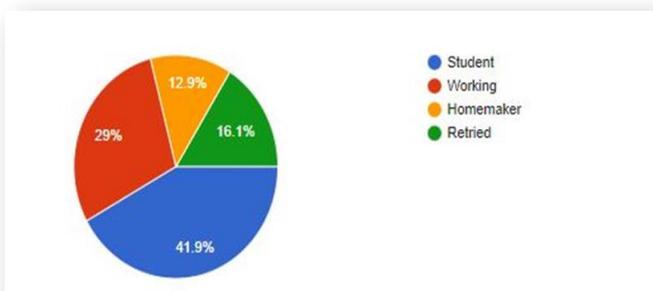
We get Twenty-five responses for giving questioner that I share with different users. I am trying to seek what is different categories of users' points of view on TV show popularity. The question which I ask and its answer is demonstrated below with the help of graphs.

1. What is your age group?



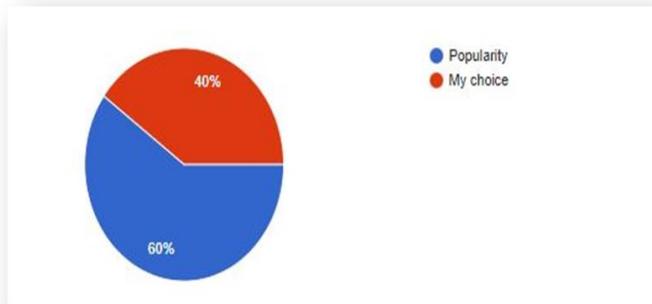
By observation TV shows are so popular that every age group watches TV shows.

2. What is your profession?



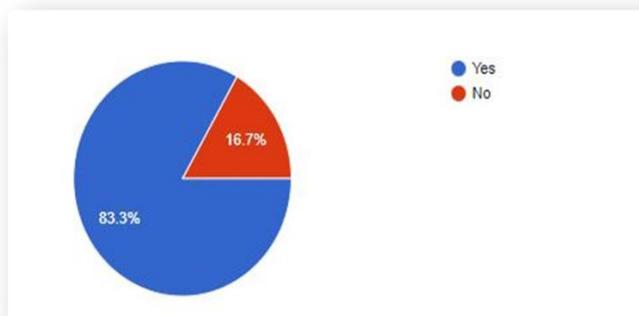
Users are watching missed shows on the internet it means the popularity of TV shows is more.

6. Do you watch a program based on its popularity or your choice?



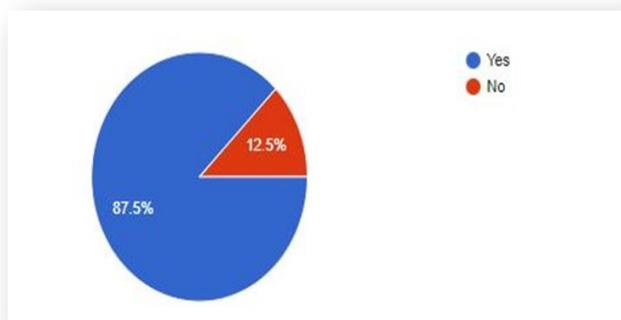
60% of users watch TV shows based on their popularity so by their view count popularity is majored.

7. Do you suggest TV show to anyone?



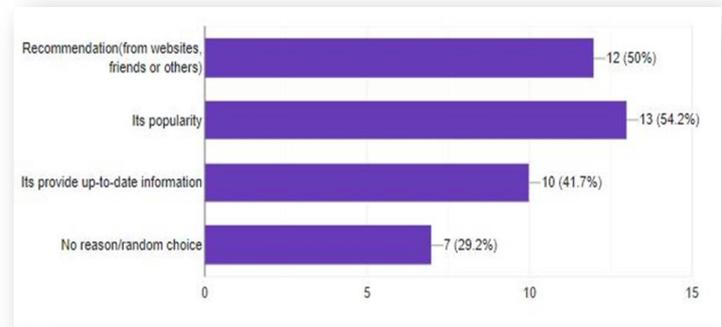
By the different user's comments, reviews, and ratings help audiences to suggest TV shows to anyone.

8. Does the show's popularity help you to choose the show?



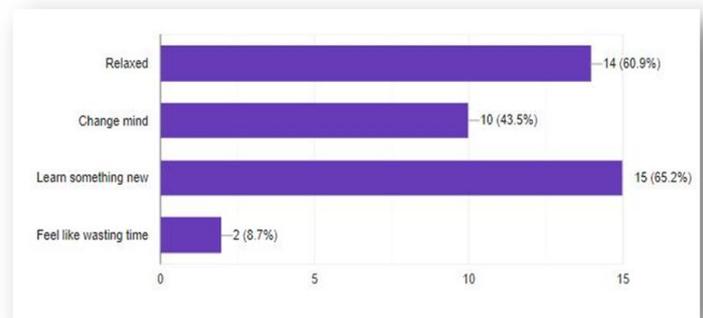
Good or bad comments can be predicted based on reviews or comments. So users know which show is popular or not.

9. What makes you choose to watch a specific TV program?



Here everyone watches shows because of recommendations, for up-date information and some user watch because of random choice. But everyone is watching the show on its popularity. Because popularity is the main factor.

10. Watching TV show can make you \_\_\_\_.



Watching TV shows make users relaxed and users learn something new from the shows.

### 3. CONCLUSIONS

From the survey, it's clear that many users watch TV shows based on their popularity and few users by their own choice. So by using good or bad comments, reviews, and rating help audiences to choose TV show for watching.

In this paper, a preliminary TV show recommendation based on a sentiment analysis scheme is proposed. By incorporating the social network information profile is obtained. A TV show dataset with ranking, social network information is collected and the proposed method achieves promising results on it. In the future, more information will be investigated for better recommendation performance.

The attributes that are contributed to the most of information are the number of shows and view count for each channel. Using comments on social media we can easily calculate the rating of the shows.

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