

# How popular will this video be on YouTube?

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## Introduction:

As Youtubers earn money through the advertising and bonus of their videos, increasing the popularity of their videos is a priority. This project aims to predict the behavior of the video that is going to be uploaded to YouTube. An equation is developed to manually classify all the videos into binary groups: non-popular and popular.

## Question:

- How many videos per day are trending?
- What is the most watched channel?
- Which country gets the most popular videos?
- What is the most liked video?
- which videos will be popular?
- When was the video first published and when did it become a trend?

## Dataset:

From the Trending YouTube Video Statistics dataset from Kaggle, we selected the trending videos of YouTube from the United States and Canada, consisting of 29089 unique videos.

- video\_id (Common id field to both comment and video csv files)
- title
- channel title
- category\_id (Can be looked up using the included JSON files, but varies per region so use the appropriate JSON file for the CSV file's country)
- tags (Separated by | character, [none] is displayed if there are no tags)
- views
- likes
- dislikes
- thumbnail link
- date (Formatted like so: [day].[month])
- The headers in the comments file are:
- video\_id (Common id field to both comment and video csv files)
- comment\_text

## Tools:

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- Numpy
- Pandas for data manipulation
- Matplotlib and Seaborn for plotting
- Sklearn
- Patsy
- Scipy

## Data link:

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(Trending YouTube Video Statistics | Kaggle)