Objective:

* The main objective is to find how many days it takes for a video to get trended and provide list of channels that has more number of trending videos.

Approach:

* First find the number of days that a video takes to get trending by subtracting trending date and publish date.
* Find the average and median number of days for a video to get trended.
* Compare the average and median number days over the years to determine if the no. of days for trending is either increasing or decreasing.
* Plot graphs to sees videos from which channel are mostly trending and how many times.

Analysis and Results:

* After analysing the data provided and performing some calculations, we have got to the conclusion that the average no. of days for a video to get trended is 17 and median of trending duration is 5.
* After comparing the trends over the last two years, it is found that the average days to get trended is 5 in 2017 and 7 in 2018. This clearly tell us that over the past years the no. of days for a video to get trended has become fewer meaning videos are being trended in very short span of time.
* There are many channels which has multiple trending videos. Based on my findings below are the top channels with the most number of trending videos.
  + ESPN (84 Videos)
  + TheEllenShow (73 Videos)
  + The Tonight Show Starring Jimmy Fallon (72 Videos)
  + Jimmy Kimmel Live (70 Videos)
  + The Late Show with Stephen Colbert (58 Videos)
  + Netflix (57 Videos)
  + NBA (55 Videos)
  + CNN (52 Videos)
  + Vox (47 Videos)
  + The Late Late Show with James Corden (46 Videos)
* From the plot we got for views vs Comments, we can say that comments are not increasing with the increase of views.
* From the plot we got from views vs likes we can say that likes are increasing with the increase of views.
* Below is the report which in detail explains the video trending information.

