

# Lab 6 - Bit 'N Bytes Youtube Data

## **Analytics Features:**

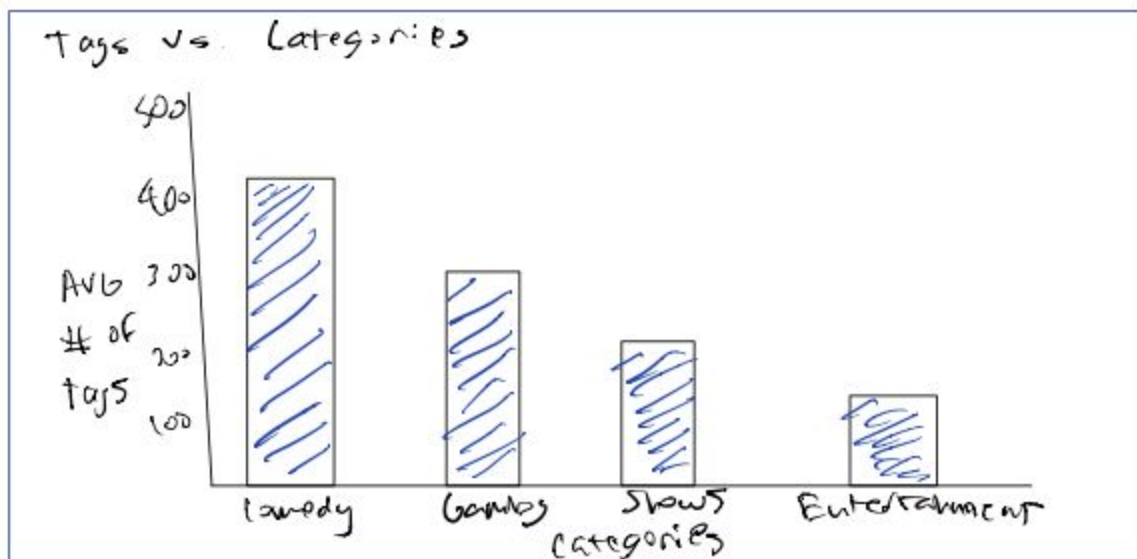
1. Average number of tags in trending videos across categories
  - a. Bar chart
  - b. Y axis: Average # of tags
  - c. X axis: Categories
2. How long after published do the videos trend and for how long
  - a. Consecutive days trending
  - b. Bar Chart
  - c. Y axis: number of videos
  - d. X axis: number of days
3. Find videos trending for exactly N days
  - a. Table of videos

## **GUI Design:**

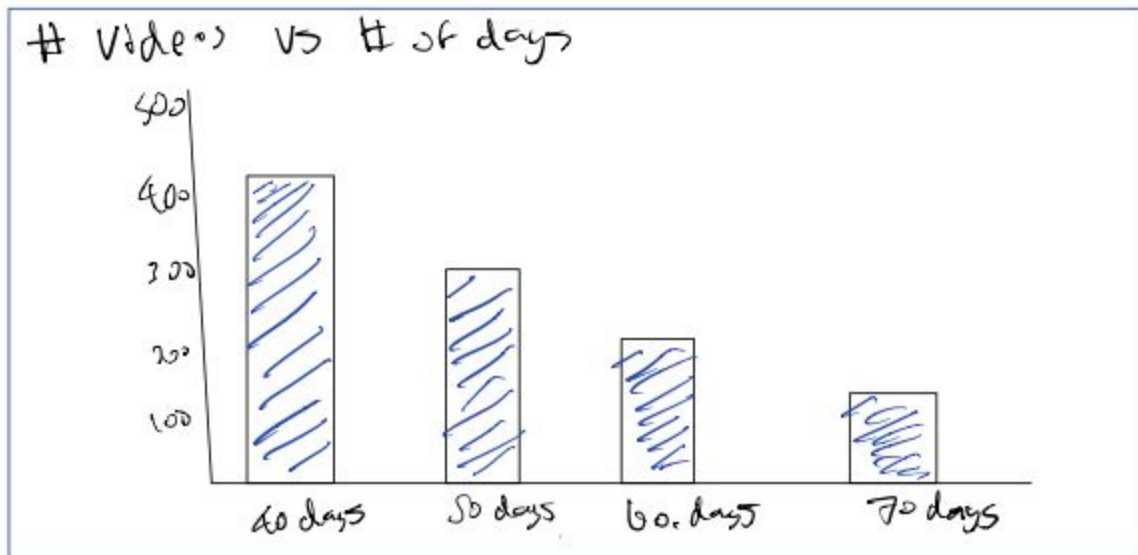
**Videos Trending for N Days Table GUI:**

Videos Trending For N days			
days	Video	id	channel
10			
20			
30			
40			
50			
60			

Average # of tags vs categories Bar Chart GUI:



# of Videos vs # of days Trending Bar Chart GUI:



## User Test Cases:

Test Case #	Test Case Description	Test Input	Expected Output
1	Verify that only integers can be input into videos trending for n days videos input field	Input: hello world	Output: Throw exception, type invalid type
2	Verify that days trending n videos gives you the correct list	Input: n = 5	Output: List of videos trending for 5 consecutive days
3	Verify that average number of tags works with a small dataset	Dataset size = 200, each with 2 tags	Output: average 2 tags for each video
4	Verify that correct length of time given for time trending	Input: 10 matching videos sequenced to the time	Output: video trended for 10 days
5	Verify that correct number of videos given in for trending n days	Input: dataset with 50 videos that all trended for 2 days and 30 for 3.	Output: 50 videos for 2 days and 30 videos for 3 days

[TaskBoard Last Sprint](#)

[TaskBoard Current Sprint](#)