UDACITY

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Data Visualization project
BAND

Youtube Data from the US :

Here I use "Tableau" to visualize our data about Youtube Data from US in the below like we can find my Dashboard , many chart and graph are used like :

- Bar chart : Bar charts have a discrete domain of categories and are usually scaled so that all the data can fit on the chart. When there is no natural ordering of the categories being compared, bars on the chart may be arranged in any order. Bar charts arranged from highest to lowest incidence are called Pareto charts .

- Line chart : A line chart or line plot or line graph or curve chart is a type of chart which displays information as a series of data points called 'markers' connected by straight line segments. It is a basic type of chart common in many fields .

- Treemapping : Treemaps display hierarchical (tree-structured) data as a set of nested rectangles. Each branch of the tree is given a rectangle, which is then tiled with smaller rectangles representing sub-branches. A leaf node's rectangle has an area proportional to a specified dimension of the data . Often the leaf nodes are colored to show a separate dimension of the data .

I use red color for presenting my data because my subject is about "Youtube" and in general the Youtube App have a red color .

https://public.tableau.com/profile/abeer.sami#!/vizhome/youtube_Data/Dashboard1?publish=yes

## THE MOST CATEGORIES THAT HAVE VIEWS IN US:
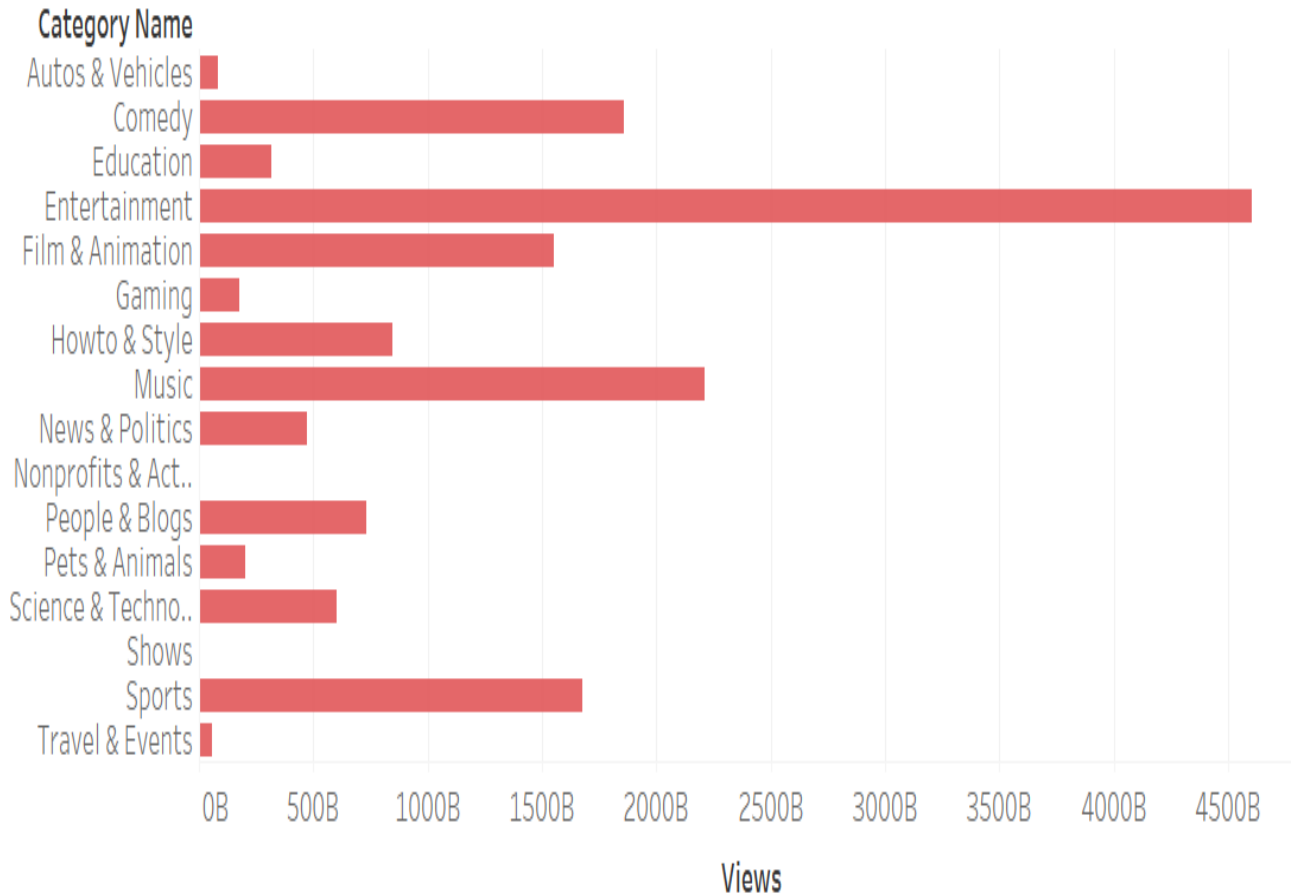
Category Name

Sum of Views for each Category Name. The view is filtered on sum of Views and Category Name. The sum of Views filter ranges from 606,345,504 to 4,602,131,703,726 and keeps Null values. The Category Name filter keeps 16 of 16 members.

1- which categories have most views ?

Our answer is in this chart , we can see the " Entertainment" category have most views more than 4500B after that "Music" have about 2200B .

2- which channel got higher likes and the channel got lowest dislikes ?

This visualization will show the Number of likes and dislikes for each channel , as we see here "SMTOWN" has the highest total of likes about 32B also will see "Simply Nonlogical" has the lowest total of dislike about 50M.

LIKES AND DISLIKES FOR EACH CHANNEL IN US :
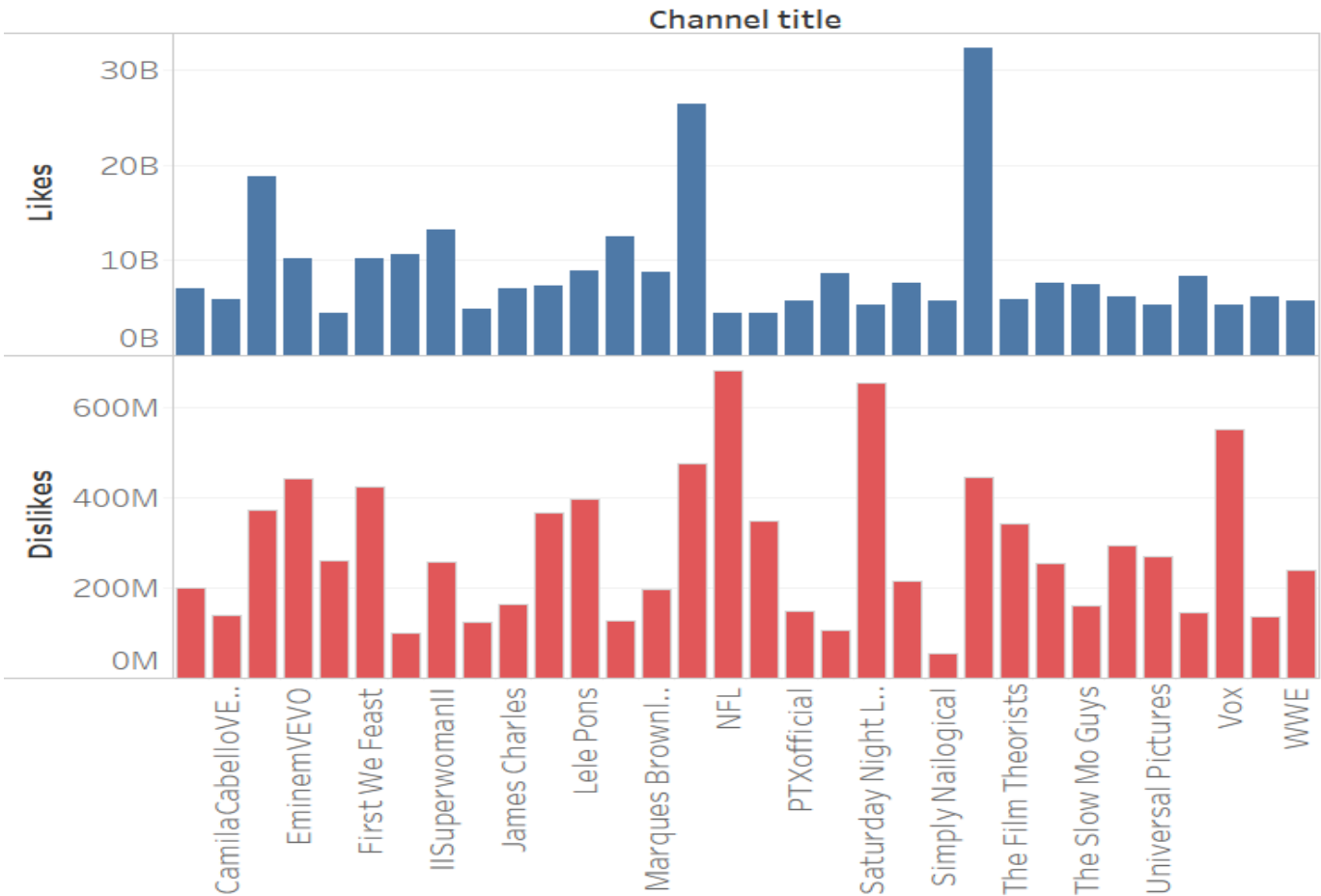
Sum of Likes and sum of Dislikes for each Channel title. Details are shown for Channel title. The view is filtered on sum of Likes, sum of Dislikes and Channel title. The sum of Likes filter ranges from 4,265,194,166 to 32,308,845,814. The sum of Dislikes filter ranges from 0 to 1,719,923,150. The Channel title filter keeps 1,761 of 1,761 members.

3- Which city that have people whose write most comments?

This visualization will show the circles every have different size the big one refer to city that have most comment "Atlanta" in Georgia with 6B comment and the small one for "Medford" in Oregon with 0 comment.

THE CITY THAT HAVE PEOPLE WHOSE WRITE MOST COMMENTS IN US :

Comment Count
- 0
- 2,000,000,000
- 4,000,000,000
- 6,376,017,955

© 2019 Mapbox © OpenStreetMap
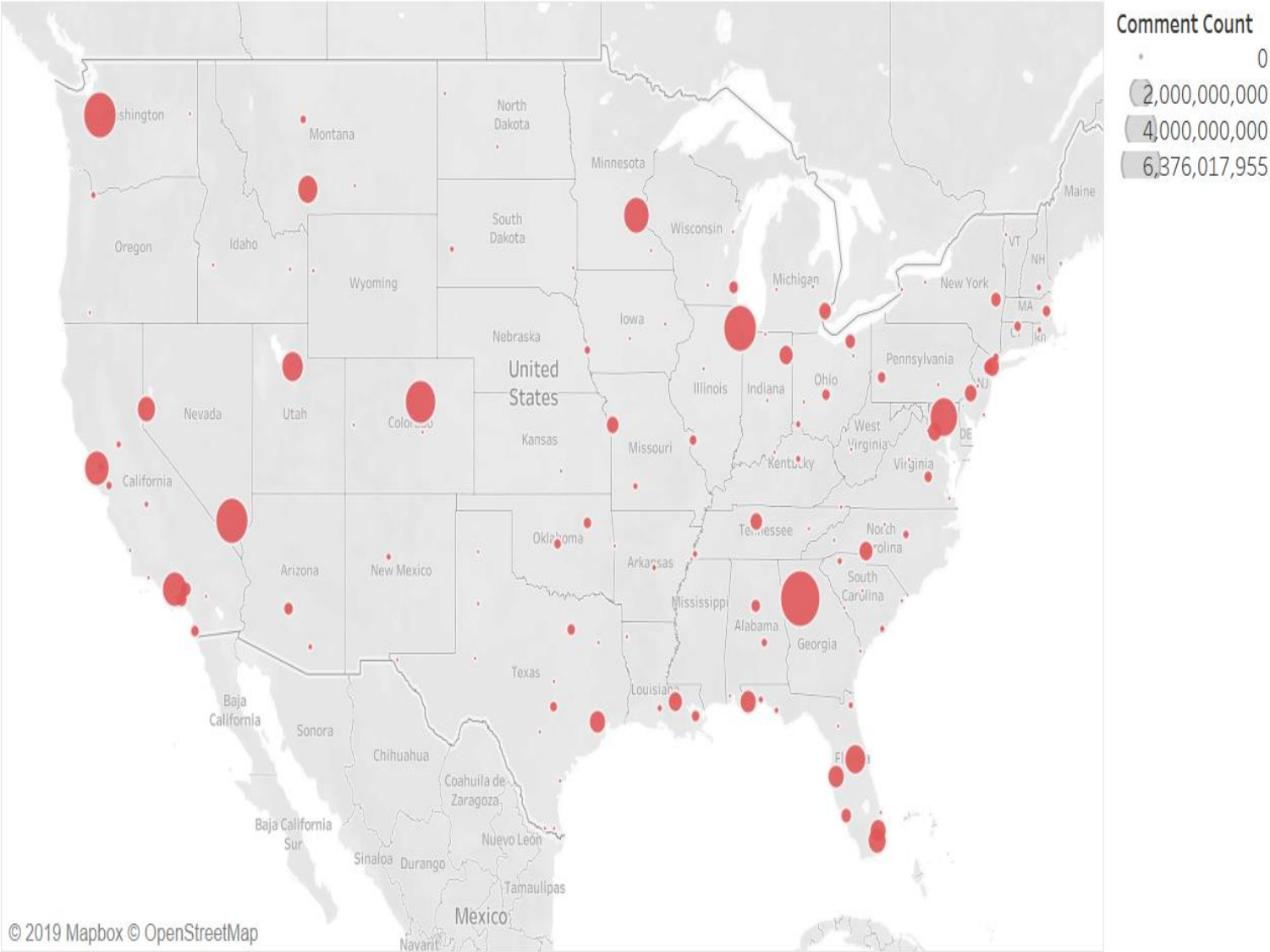
3- In which state people give higher total of likes ?

Here I use symbol map because it easy to interpret my data .

The bold red describe the state that have higher total of like as we see it's Florida with about 46B likes .
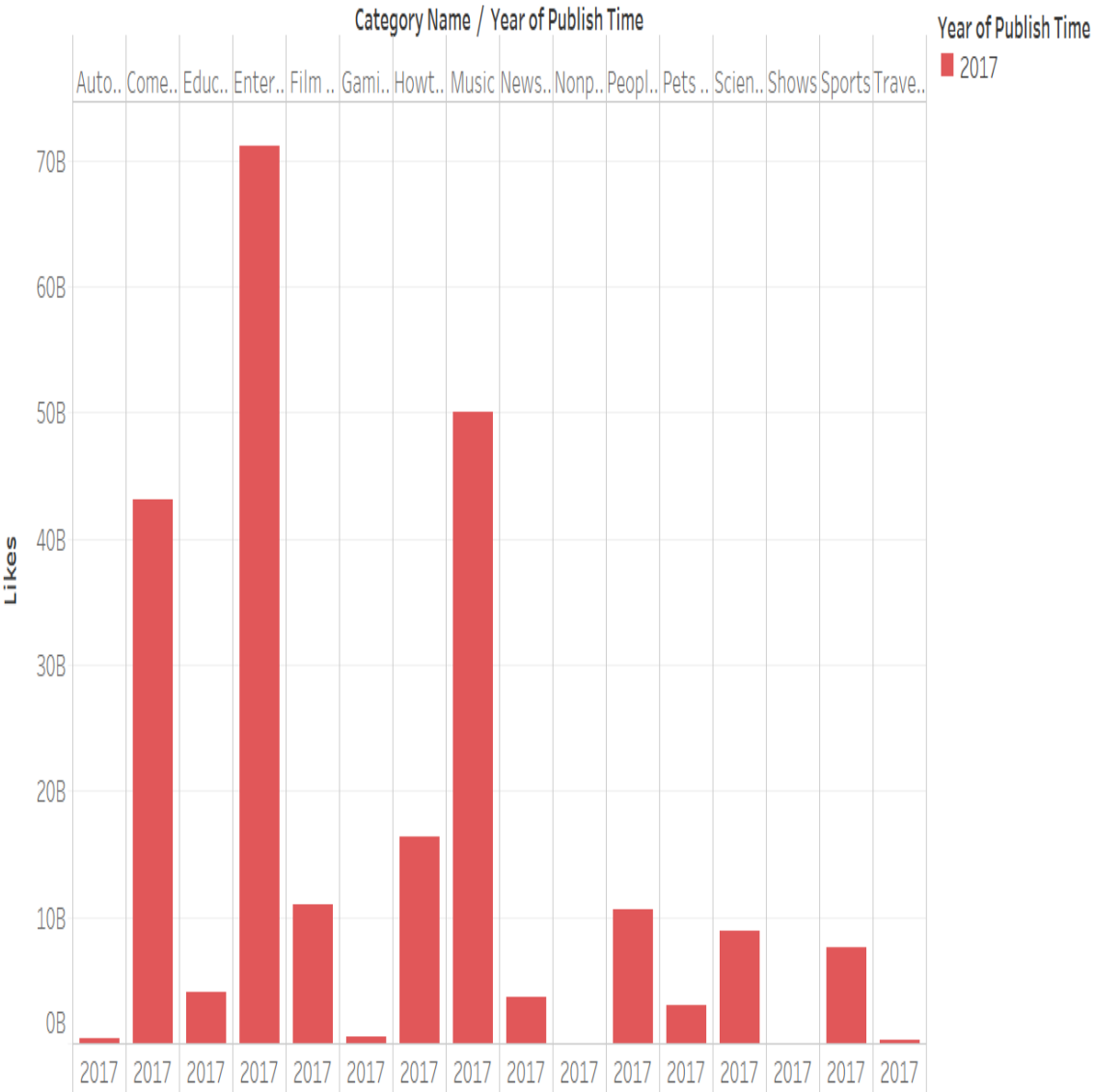
https://public.tableau.com/profile/abeer.sami#!/vizhome/youtube_Data/THETOTALOFLIKESFOREACHSTATEINUS

THE TOTAL OF LIKES FOR EACH STATE IN US :
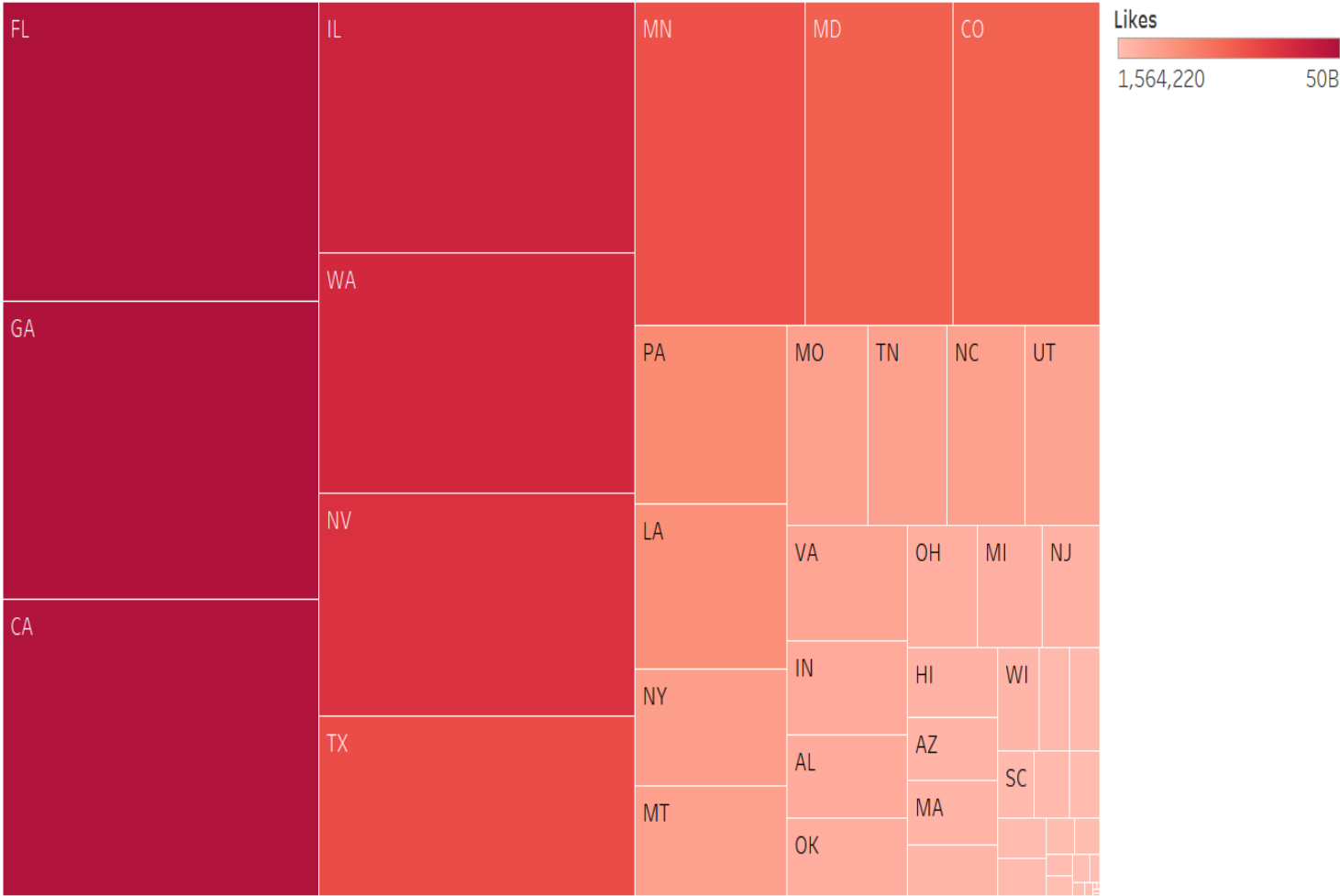
State. Color shows sum of Likes. Size shows sum of Likes. The marks are labeled by State. The data is filtered on Publish Time Year, which keeps 12 of 12 members. The view is filtered on State, which keeps 50 of 50 members.

THE YEAR FOR EACH LIKE IN EACH CATEGORY IN US :

Category Name / Year of Publish Time

Year of Publish Time
■ 2017

Sum of Likes for each Publish Time Year broken down by Category Name. Color shows details about Publish Time Year. The data is filtered on Publish Time Year, which keeps 2017.

3- How many comments on categories on the year?

This visualization will show the shapes are refer to the category name .

We can see the "Entertainment "have the higher total of likes with 71B and the lowest total for "Nonprofits&Activism" with 2M .

https://public.tableau.com/profile/abeer.sami#!/vizhome/youtube_Data/THEYEARFOREACHLIKEINEACHCATEGORYINUS

References :

HTTPS://EN.WIKIPEDIA.ORG/WIKI/TREEMAPPING

HTTPS://EN.WIKIPEDIA.ORG/WIKI/LINE_CHART

HTTPS://EN.WIKIPEDIA.ORG/WIKI/BAR_CHART

Thank you

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