Q1:

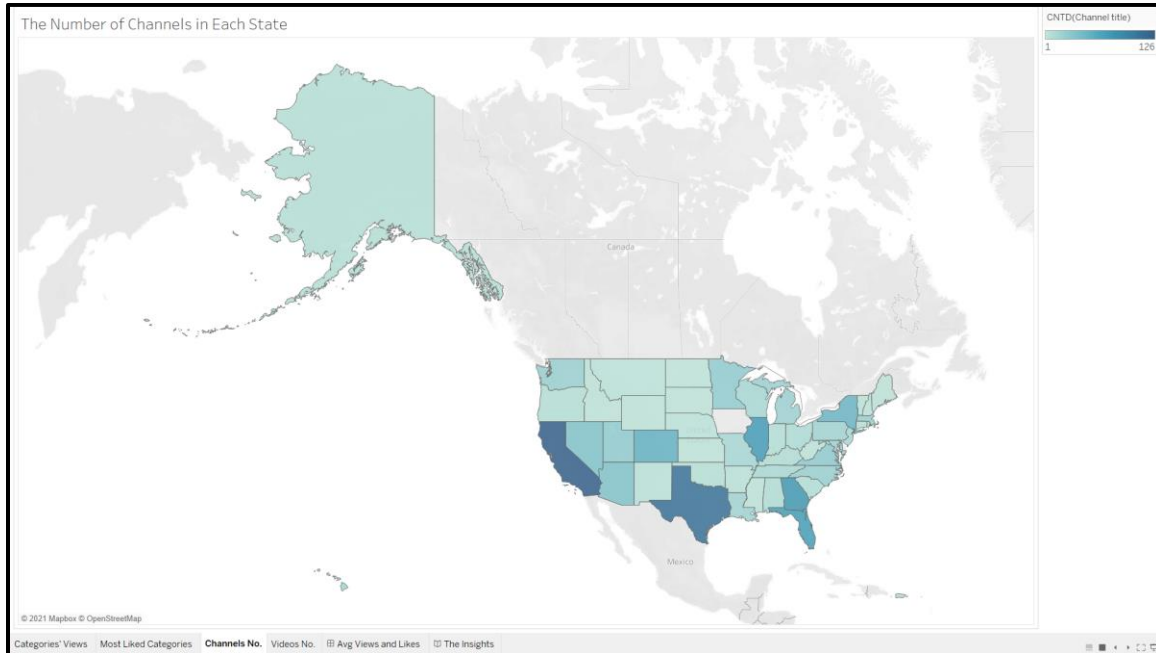**How many channels in each state?**

Link: https://public.tableau.com/views/Project4-
Youtube_16192398137290/ChannelsNo_?:language=en&:display_count=y&:origin=viz_share_li
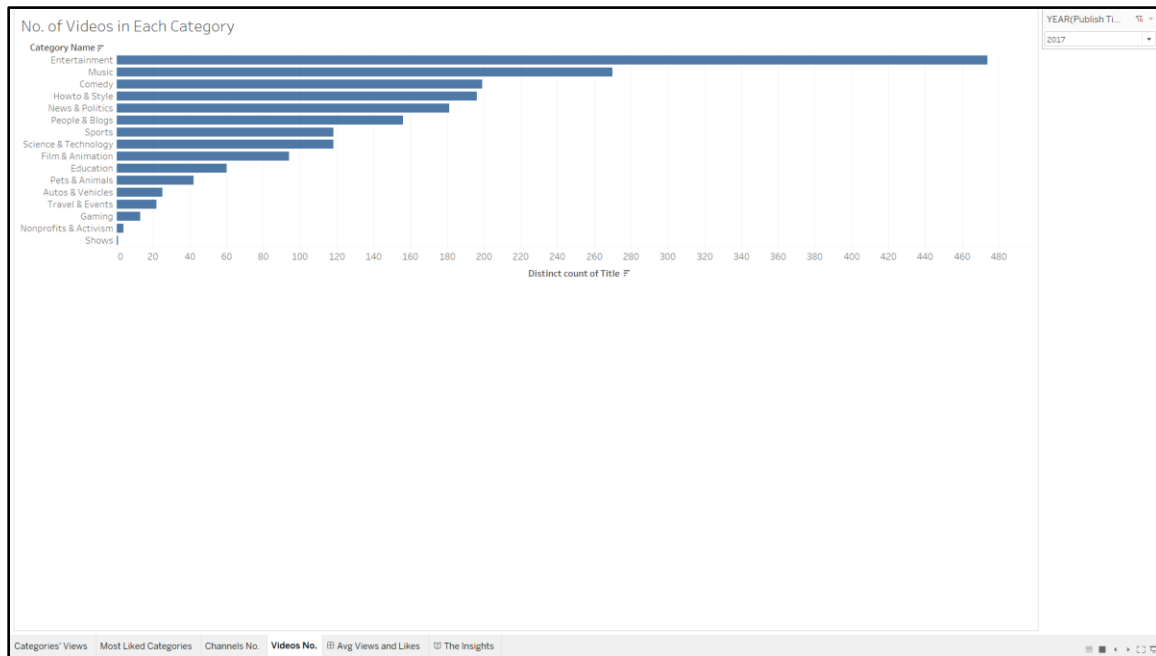nk

Summary: From this visual we can insight that California(CA) has the highest number of channels, while Texas has the second highest number of channels.

Design: A map was used to display each state with its number of channels. The visual shows each state in USA and when you click on it you can see how much channels in this state. The different degree of blue shows how many channels in each state. The darker the blue color the more channels in the state. The map was used to give a better viewing of the data. I used the count distinct function to count each different channel. Moreover, the blue color was chosen in considering of color blindness. Ofc, I had to join two files to get the information.

Resources: N/A

Q2:

How many videos were published in each category?

Link: https://public.tableau.com/views/Project4-
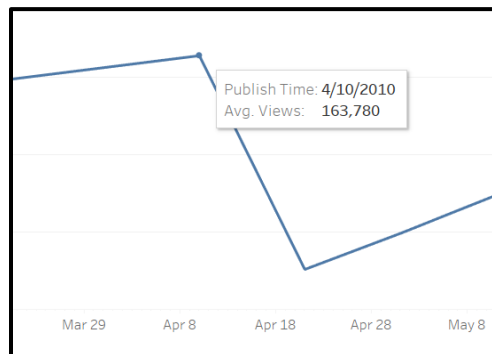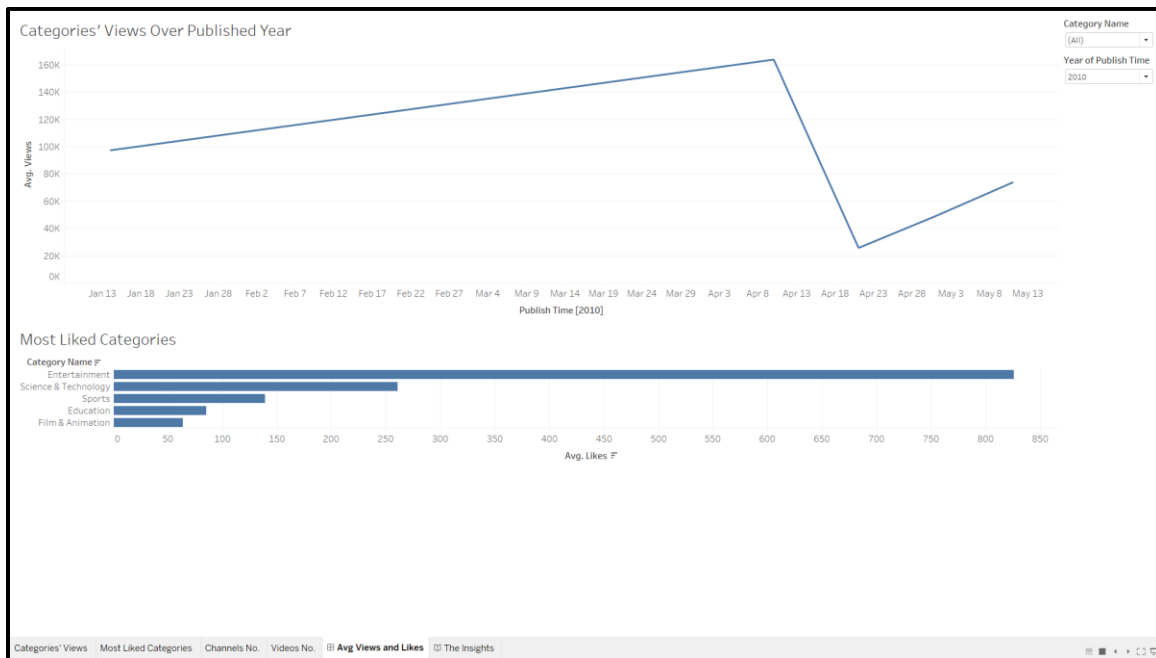Youtube_16192398137290/VideosNo_?:language=en&:display_count=y&:origin=viz_share_link

Summary: From this visual, we can see how many videos was published in each category sorted descending. So, we can see that in 2017, Entertainment category has the most videos.

Design: When I designed this visual first, I did not use bar chart. But after many changes. Bar chart was a better choice to display the number of videos in each category. Moreover, I applied a filter of the published year so that readers can see which category have the highest and lowest videos in each or a range of years. Ofc, I had to join two files to get the information.

Resources: N/A

Q3:

What is the most liked category and how many views does each category have?

Link:

Summary: From this dashboard, I can see that in 2010 the most liked category was Entertainment. The other categories are Science & Technology, Sports, Education, and Film & Animation. Moreover, I can see the average views of these categories over 2010 year from the line chart. I can see that in 2010 the highest average views was 163,780 which was in 4/10/2010.

Design: This is a dashboard displaying a Line chart and a Bar chart. From the line chart we can see the avg view and its changes over published year. In the bar chart, the avg likes of each category is displayed. I used two filters and connected them with both charts. The line chart was the best choice to display the values over time. While the bar chart was good for displaying the most favorite category. Ofc, I had to join two files to get the information.

Resources: N/A