Visualization #1: A Dashboard

Link:

https://public.tableau.com/app/profile/mohamedmahelmy/viz/DataProject-Dashboard1_16653270758610/Dashboard1?publish=yes

Questions that we are trying to answer:

- Which states generated the most "views"?

- Which categories are most popular in each state?

Description of the Dashboard:

- In this dashboard we can get information, based on two worksheets, about the states that generated most "Views" along with the number of "Likes" and "Dislikes" generated by each state while we hover over the state on the map.

- We can filter the data based on the Year (from 2006 – 2018) or you can show all years.

- In addition, you can filter based on each state by selecting the state that you want from the map and it will show you most popular categories and corresponding information based on the state that you selected, when you unselect the state, you get back the overall values.

Insights from our Dashboard:

- We can see from the data we have that "Music" category received most views of all time, followed by "Entertainment". Also, we can see that "Shows" Category received the least views on YouTube in the US within the available timeframe.

- Based on our data, we can see that the state with most views of all time is Florida (around 3.8 billion Views), followed by California (around 3.2 billion Views).

Visualization #2: A Worksheet

Link:

https://public.tableau.com/app/profile/mohamedmahelmy/viz/DataProject-Insight3/Sheet6?publish=yes

Questions that we are trying to answer:

- Which categories received most "Likes" and which categories received most "Dislikes"?

Description of the visualization:

- A Dual Axis plot was used to show the number of "Likes" and "Dislikes" received by each category.
- The data can be filtered by year as well.

Insights from our Visualization:

- From the data we see that the category that received most "Likes" in the US within the timeframe that we have is "Music" (+415 million Likes), While the category that received most "Dislikes" is "Entertainment" (around 17.9 million Dislikes) overall.

Visualization #3: A Story

Link:

https://public.tableau.com/app/profile/mohamedmahelmy/viz/DataProject-Story1/Story1?publish=yes

A story that we are trying to tell:

- The development of categories in our dataset
- Important points in the timeline of our data

Description of the Story:

- Containing four visuals with the caption describing each one of them related to the most popular categories, the number of categories for each year, the category of the most watched titles, and the spike in numbers in our dataset.

Insights from our Story:

- The biggest number of categories in our dataset is 16 categories; our dataset started with only one category in 2006, according to the data within reach.

- The top 2 watched videos don't come from the most watched category. The most watched category is "Music", but the most watched 2 videos in our data come from the "Entertainment" category.

- We see that after the year 2016, there was a spike in the number of views, likes, and dislikes. This trend continues for the views and likes, but not the dislikes as it dropped in 2018 compared to the year before (unlike the views and likes that continued to increase in numbers).