Data Dashboards Project Submission

Link Story:
https://public.tableau.com/profile/patrick1121#!/vizhome/Book1_38780/Story1

Link Dashboard:
https://public.tableau.com/profile/patrick1121#!/vizhome/Book1_38780/ViewsDashboard

Link Dashboard 2:
https://public.tableau.com/profile/patrick1121#!/vizhome/Book1_38780/LikesDislikesDashboard

Summary

Categories: I asked myself which of the categories has the most views for trending year 2017. Therefor I dragged the Category Names into the Marks – Color section and Views into the Size section. After that I dragged the Trending Date into the filter section and filtered for years. Then I chose the year 2017. I also added Category Names into the filter section, that makes it possible to compare different categories. To get a better overview about all values, I also dragged Likes, Dislikes and Comments into the Detail section. The bubble chart shows me that Music is the category with the most views in trending year 2017, with 3.555.886.114 views, followed by the Entertainment category with 3.533.396.367 views.

Title: Afterwards I was interested, which video was responsible for the most views in this category. Therefor I dragged the Views to the columns, the Title to the row and ordered the chart from highest to lowest. I also added the Trending Date, with year, and the Category Names into the filters. To get a better overview about all details for the individual video, I dragged Dislikes, Comments and Likes into the Details view. My graphic showed me that the video with name “Luis Fonsi, Demi Lovato - Échame La Culpa” has the most views for trending year 2017, with 534.738.794 views. Which is as twice as much as the second most viewed video in the year.

State: As the views are all from the same country (USA), I wanted to know which states were responsible for this huge amount of views. I double clicked the State Dimension, to get a map of the United States with all states. I filtered for trending year 2017 and for the title with the most views, which I know from Title worksheet. Now I dragged Views into the Marks – Detail section. For overview purposes I also dragged Likes, Dislikes and Comments into the Marks – Details section. I also dragged the Title into the Marks – Tooltip section, which allows me to show the video title as I hover over the states. The result of my view pointed out, that all views are from only one state, which is Colorado. That’s an interesting information. If it was real data, it'd be a fact that would make me suspicious and would me dig deeper.

City: Now my curiosity was aroused. I wanted to know which cities in Colorado are responsible for the views. I double clicked the City to get a map view. I dragged Trending year and Title into the Filters, to filter for year 2017 and the video title. To get more details I dragged City and Views into the Marks – Details section. For overview purposes I also dragged Likes, Dislikes and Comments into the Marks – Details section and State and Title into the Marks – Tooltip section. The result of my created view showed me that all the views are from the same city, which is Denver. This is even more conspicuous than the state. In real life I would now contact my boss and network administrator to do further investigations because this seems like a lot of fake views.

View Dashboard: The dashboard gives an overview about all graphics combined. This could be used as a good instrument to show your findings to your boss or other responsibilities.

Story1: In the story, I highlighted the questions I asked myself during the creation process. The charts are the answers to my questions.

Likes State: Shows the summed likes for all videos per state in a map chart. California is the state with the most video likes in year 2018 with 77.062.248. There is the possibility to filter for trending year. For overview purposes I dragged the views into the Marks – Detail section.

Dislikes State: Shows the summed dislikes for all videos per state in a map chart. Georgia is the state with the most video dislikes in year 2018 with 3.286.897. There is the possibility to filter for trending year. For overview purposes I dragged the views into the Marks – Detail section.

Likes / Dislikes Dashboard: The dashboard gives a good overview to compare the Likes and Dislikes per state in one view.

Design

Categories: I picked a bubble diagram, to point out the difference between the individual categories. The individual size and color of the categories would give the audience a good overview over the actual amount of views for each category. It shows that the Entertainment category is nearly close as the Music category.

Title: There are a lot of videos in the datasheet. In order not to be overwhelmed by the amount of data, I decided that a horizontal bar chart is the best option to show the views per video. One of the best features of the bar chart is the ascending or descending sort option, which points out exactly the data I need. As I was looking for the video with the highest views, the bar chart was a good choice here.

State: As I am wanted to know from which states the views come from, I decided to choose the maps chart. The maps chart allows the audience to get a better insight where the state is located on the map, as the US is a big country with many states. Other charts would be also possible, but they wouldn't show where the state is located on a map.

City: Same as for State. The map chart allows the audience to get a better overview where the city is in the individual country or state.

Likes State: As I am wanted to know from which states the Likes come from, I decided to choose the maps chart. The maps chart allows the audience to get a better insight where the state is located on the map, as the US is a big country with many states. Other charts would be also possible, but they wouldn't show where the state is located on a map.

Dislikes State: As I am wanted to know from which states the Dislikes come from, I decided to choose the maps chart. The maps chart allows the audience to get a better insight where the state is located on the map, as the US is a big country with many states. Other charts would be also possible, but they wouldn't show where the state is located on a map.

Resources

Asked a question on the Student Hub because I couldn’t find a PK and FK for these both files.