Project 4: Create Tableau dashboards – Using Youtube Data US

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Dashboard #1:

- Link: *https://public.tableau.com/app/profile/duc.truong6414/viz/Project3-Tableau_16581480638120/1_Categoryinfo?publish=yes*

- Summary: The dashboard focuses on analyzing data of each category. There are number of videos, number of views, and number of channels in each category. Overall, music and entertainment are the most popular categories.

- Design: I use bar chart and pie chart since each of them contain univariate values only. And for the pie charts I select colorblind palette plus add some manual colors for remaining items. Also, I add 3 filters: State, City and Year published of videos for more detailed information.

- Resource: N/A

Dashboard #2:

- Link: *https://public.tableau.com/app/profile/duc.truong6414/viz/Project3-Tableau_16581480638120/2_ViewsinCity?publish=yes*

- Summary: This visualization shows number of views in each US city. The most impressive city is Atlanta with over 500 million views. Besides, almost every country has millions of views.

- Design: Regarding views in cities, I use only geographic map to display the number of views. The data of videos (views, number of video…) is not equally distributed when consider year time, only from 2016 there are a lot more videos, so I choose the filter MONTH (Publish year).

- Resource: N/A

Dashboard #3:

- Link: *https://public.tableau.com/app/profile/duc.truong6414/viz/Project3-Tableau_16581480638120/3_Vidsinmonth?publish=yes*

- Summary: The dashboard aims at analyzing number of videos published and their views over the time. Overall, January and December are the time most videos published. 2017 and 2018 witness a huge leap in number of views (up to billions). And there is a summary chart that shows publish time of videos in date and its views; some month like August has few videos published thus the chart looks less fluctuated.

- Design: I use line chart to display 12 months with value being the number of videos published in each month. The values do not change much through year, so I choose month and day to analyze.

- Resource: N/A