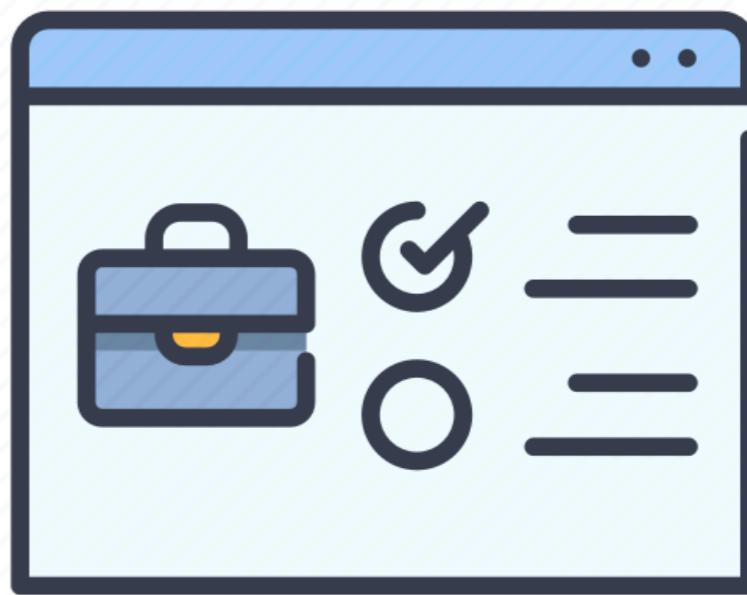
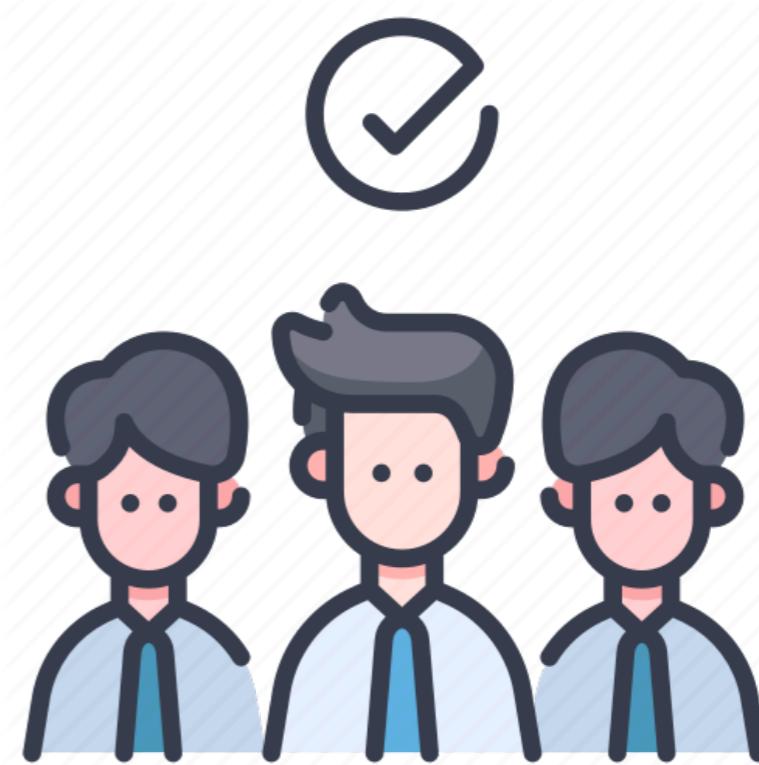


STRATEGIES BEHIND YOUTUBE TRENDING VIDEOS

INF554 Information Visualization
Final Presentation

Team Name:
Team Member:

TripleY
Shuting Ye: yeshutin@usc.edu
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Yuxin Liu: liuyuxin@usc.edu







 Dataset

Trending YouTube Video Statistics

Daily statistics for trending YouTube videos

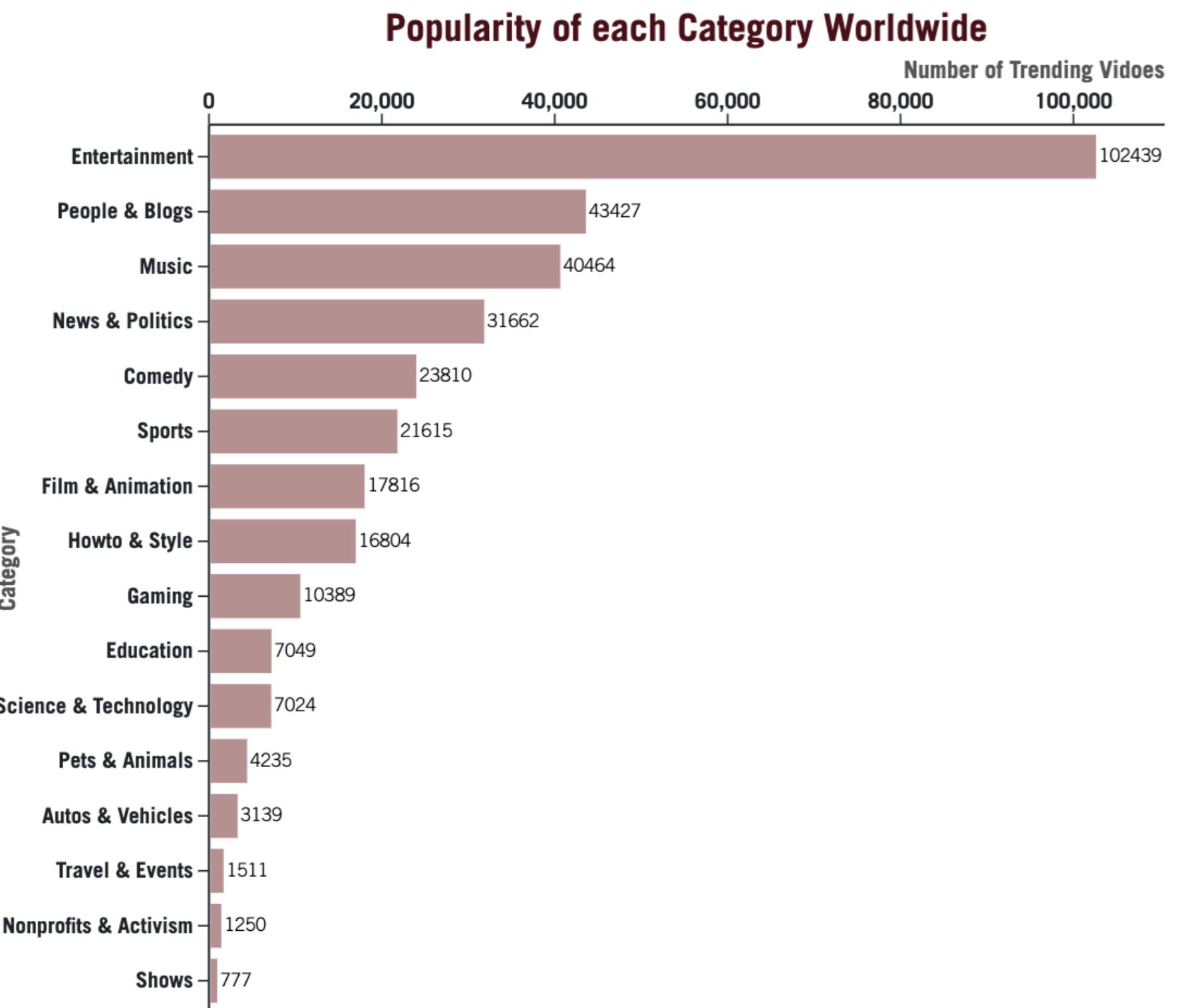
 Mitchell J · updated 6 months ago (Version 115)

YouTube

[Data](#) [Kernels \(550\)](#) [Discussion \(32\)](#) [Activity](#) [Metadata](#) [Download \(514 MB\)](#) [New Notebook](#) [⋮](#)

 **Usability** 7.9  **License** CC0: Public Domain  **Tags** computing, arts and entertainment, statistics, internet, linguistics

Reset



Channel France Rap Family India Drama Official

Makeup Spy Kids India Drama Official

Die Star Song Daily Love Izle Slime

Star Funny Movie Telugu Game Show

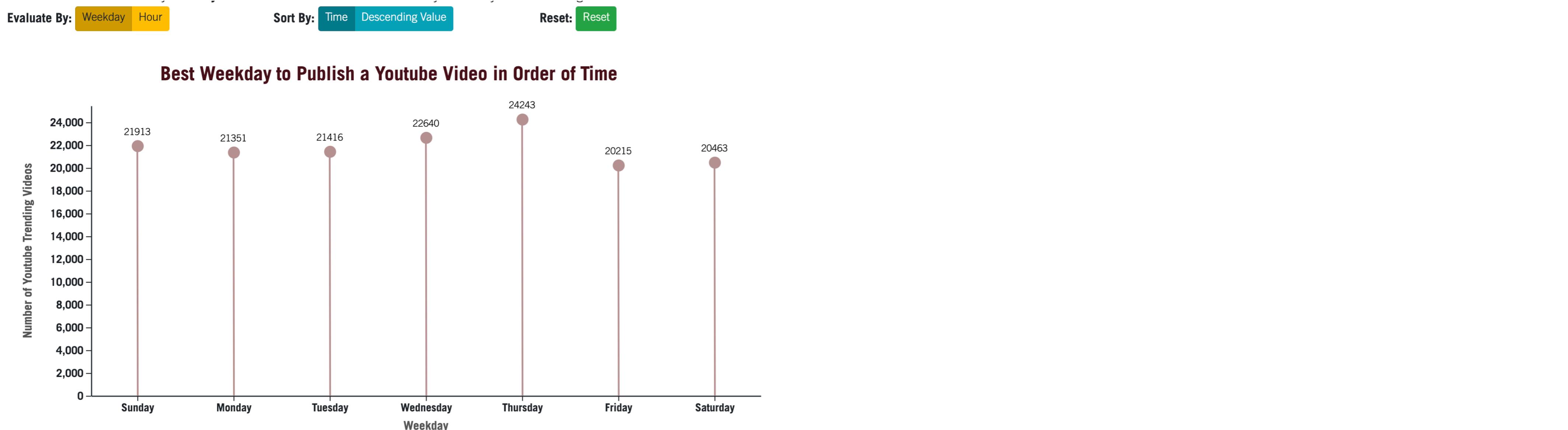
Super Funny Movie Video Live Tamil Love

Como Music Comedy Diy Food Review

Bolum Serial Entertainment

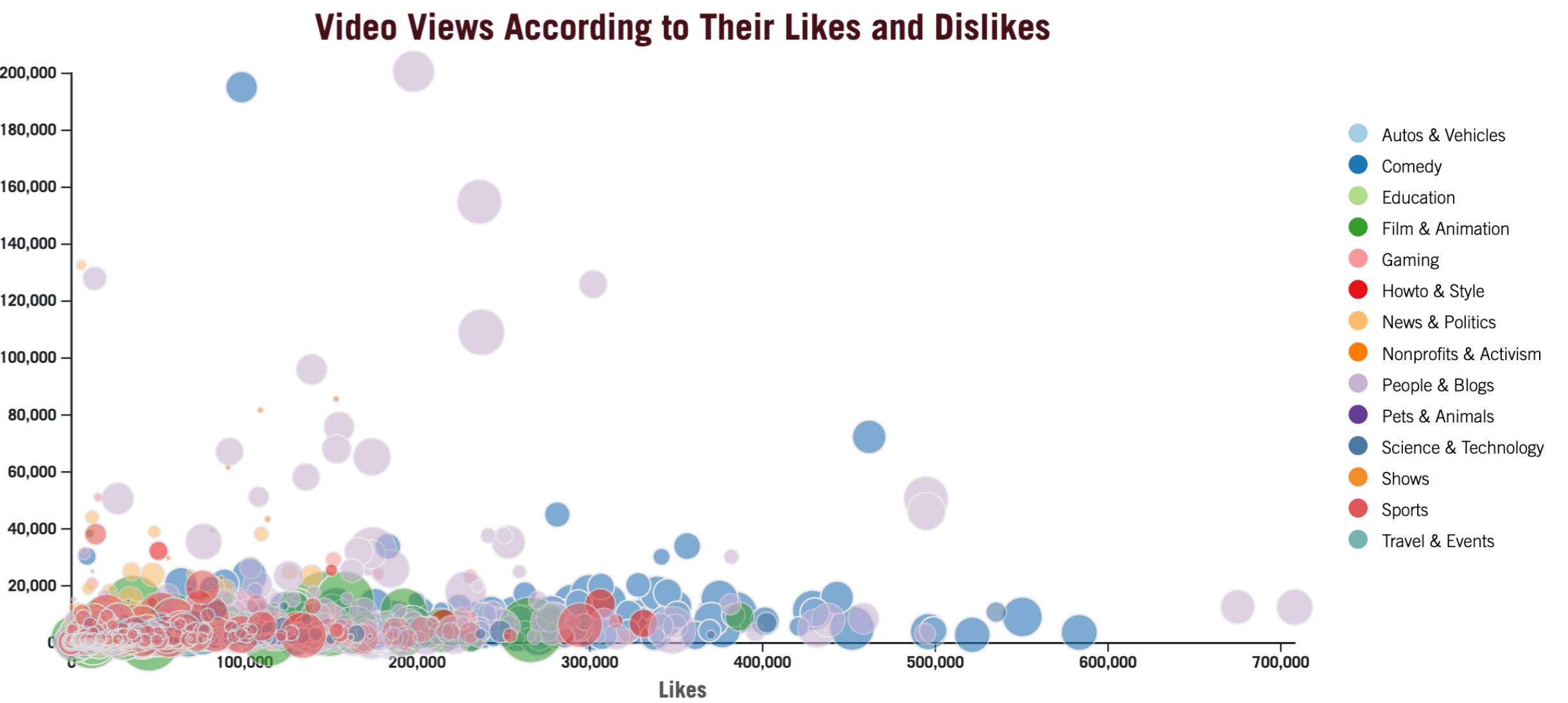
Hoy Challenge Deutsch Hoy

Son Serie World Hoy

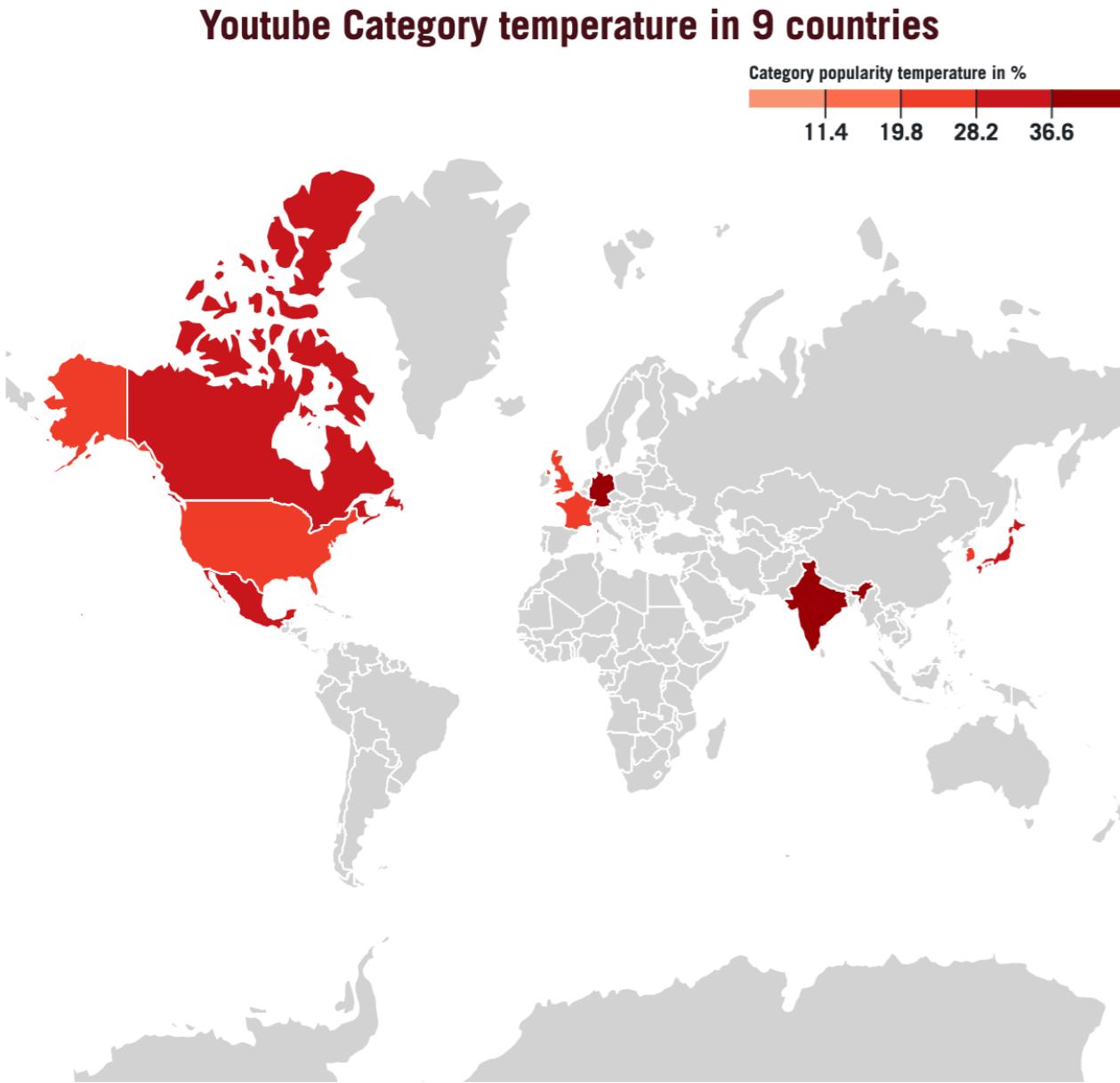


Exclude the Music category

Exclude the Entertainment category

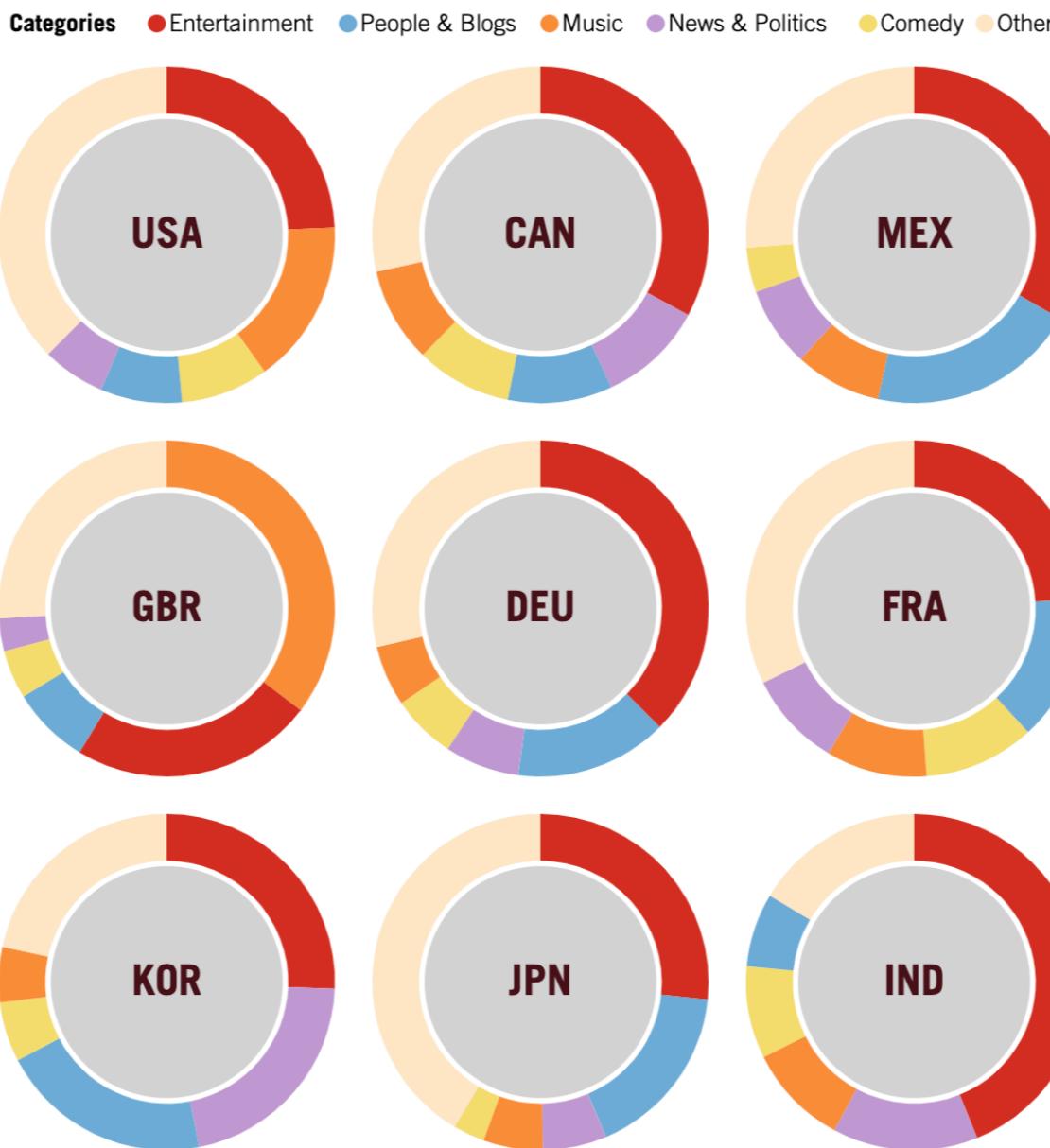


Top 5 popular categories: Entertainment | People & Blogs | Music | News & Politics | Comedy

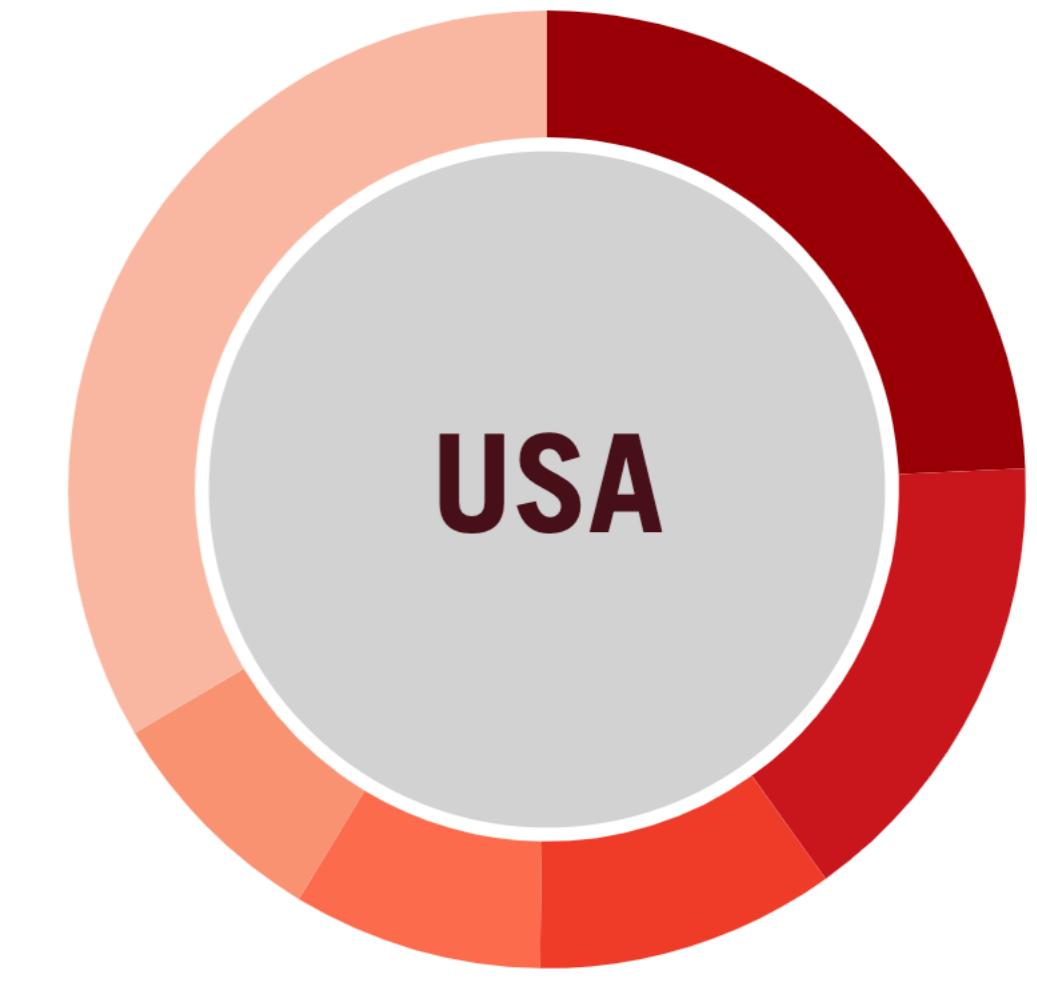


Reset:

Distribution of Global Top 5 Categories in 9 Countries

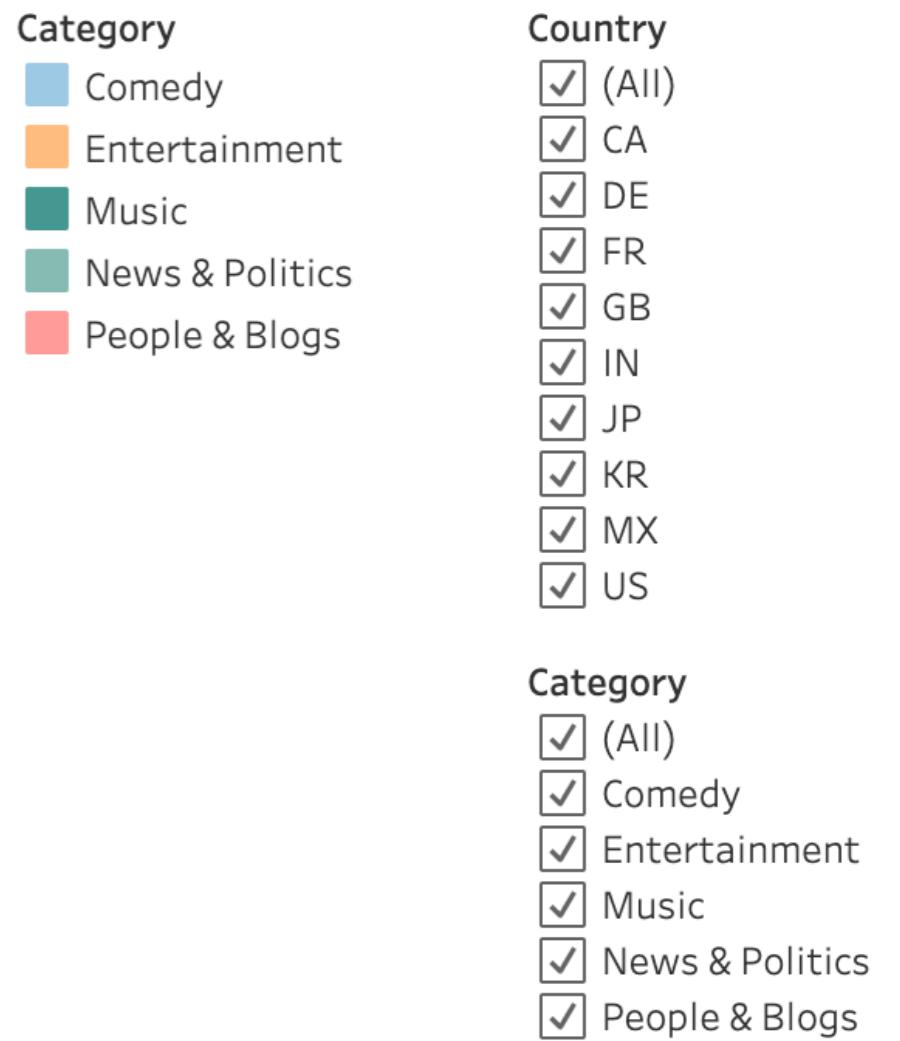
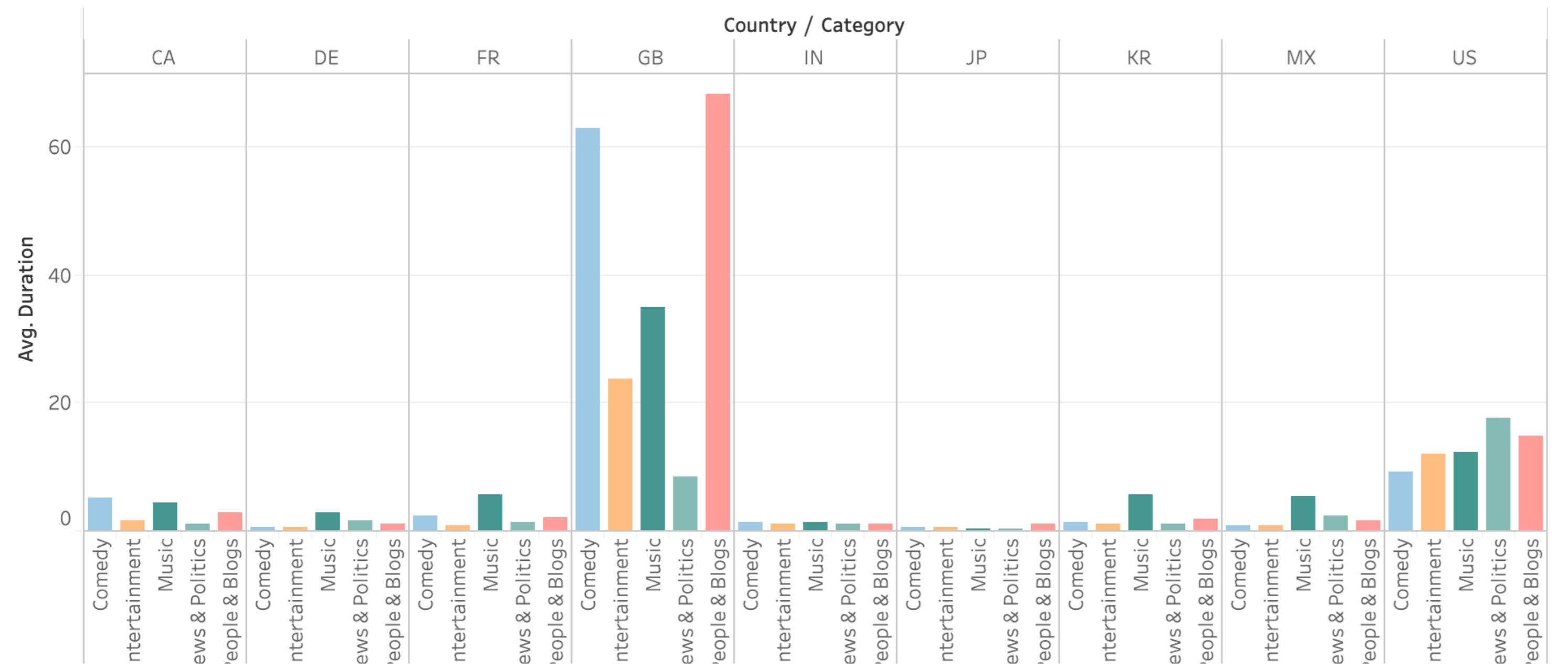


Distribution of United States's Top 5 Categories



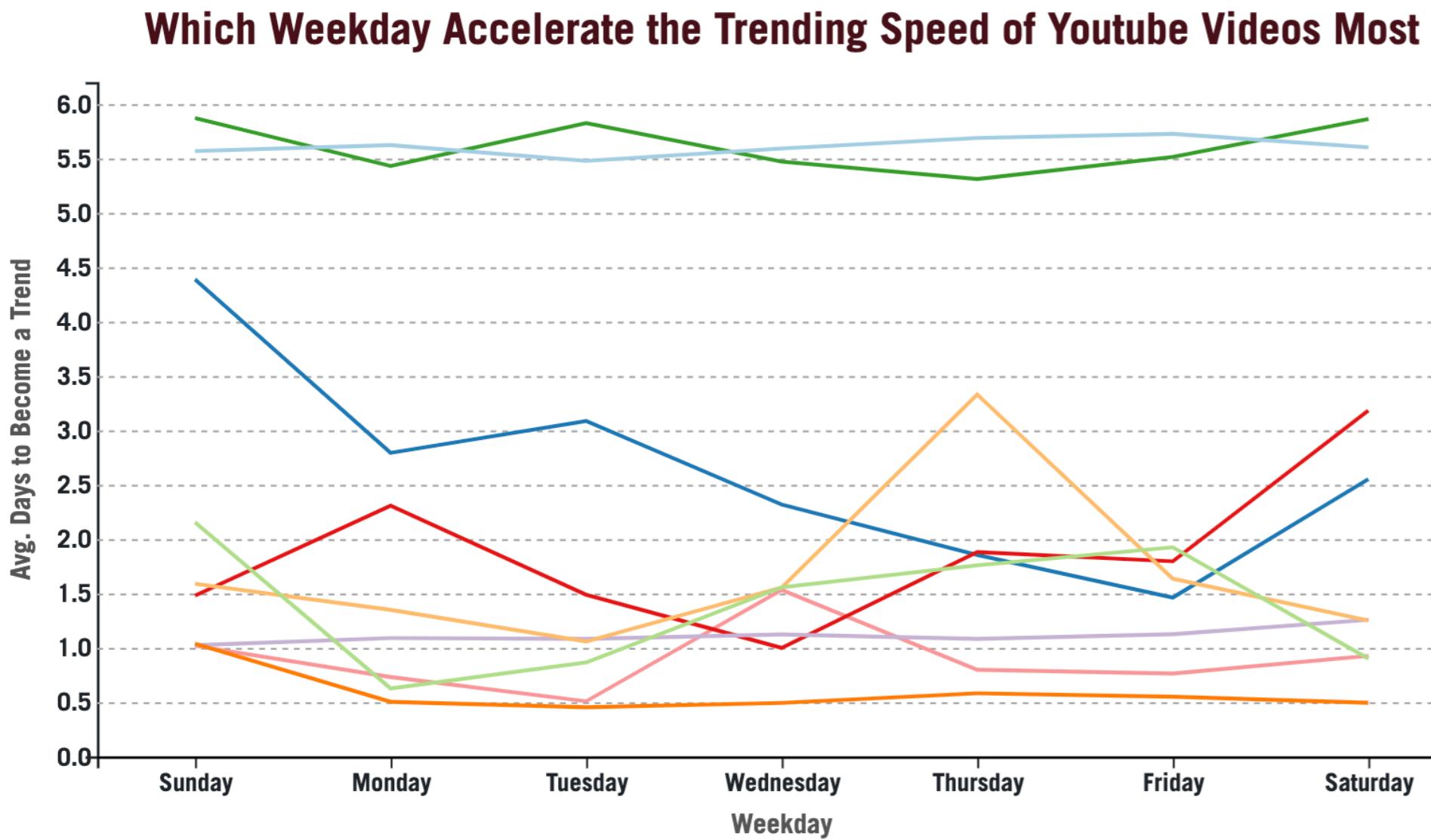
- Categories
- Entertainment
 - Music
 - Howto & Style
 - Comedy
 - People & Blogs
 - Others

How long will it take to become trending?

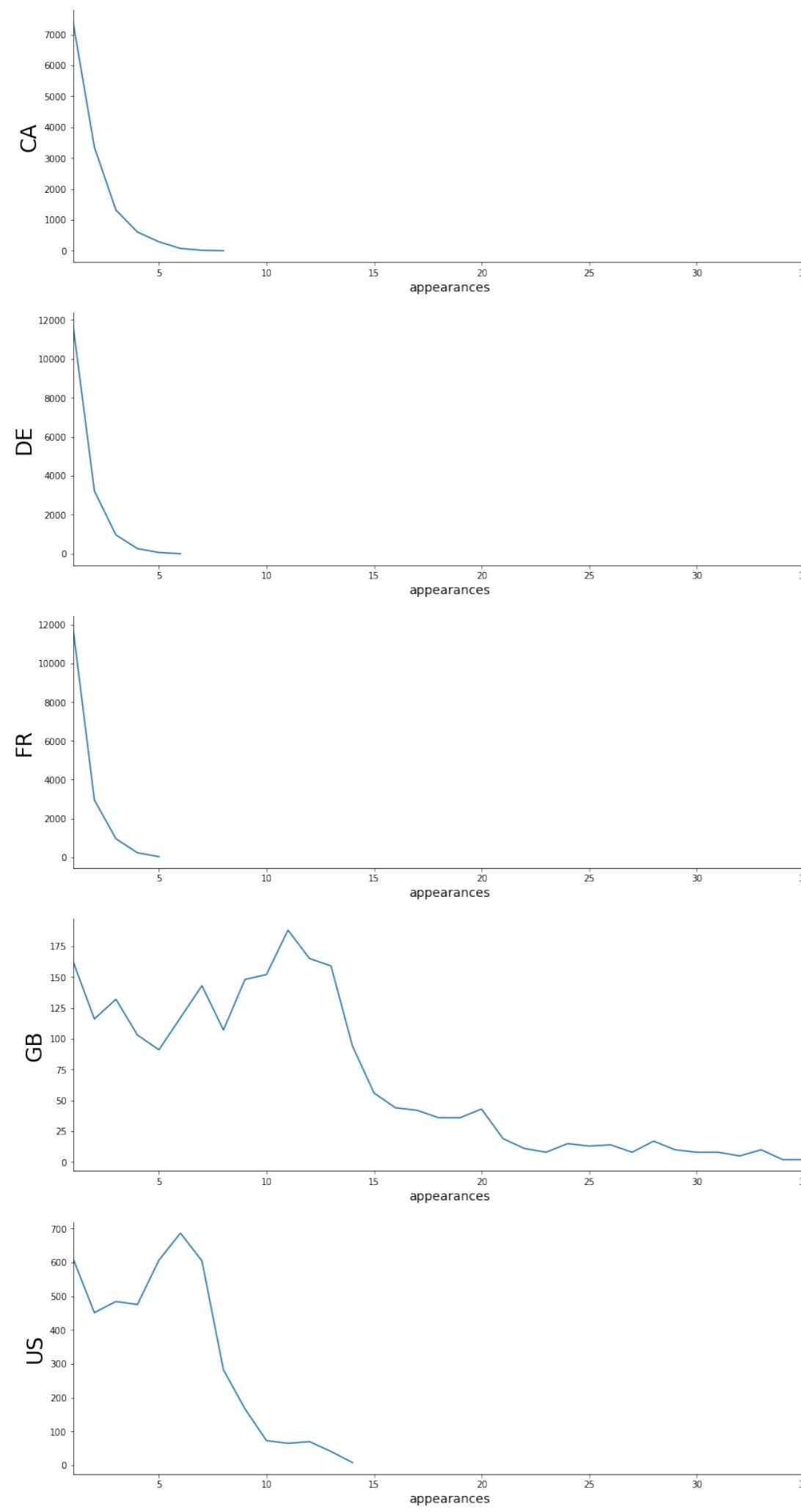


All Countries

One Country: USA | CAN | MEX | GBR | DEU | FRA | KOR | JPN | IND

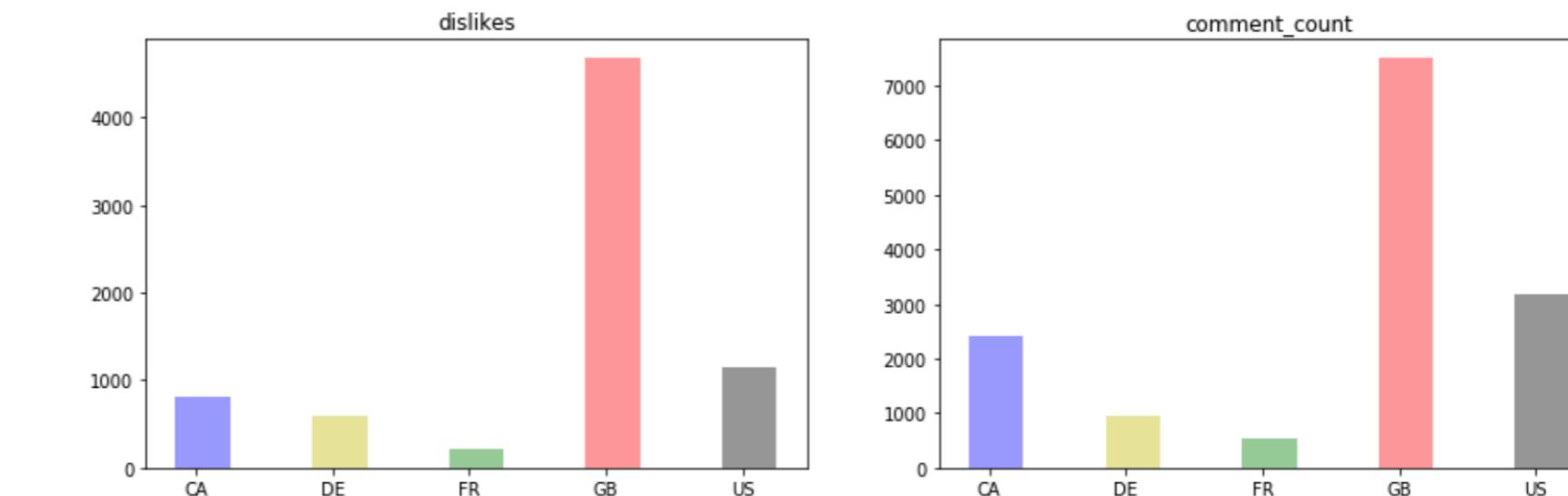
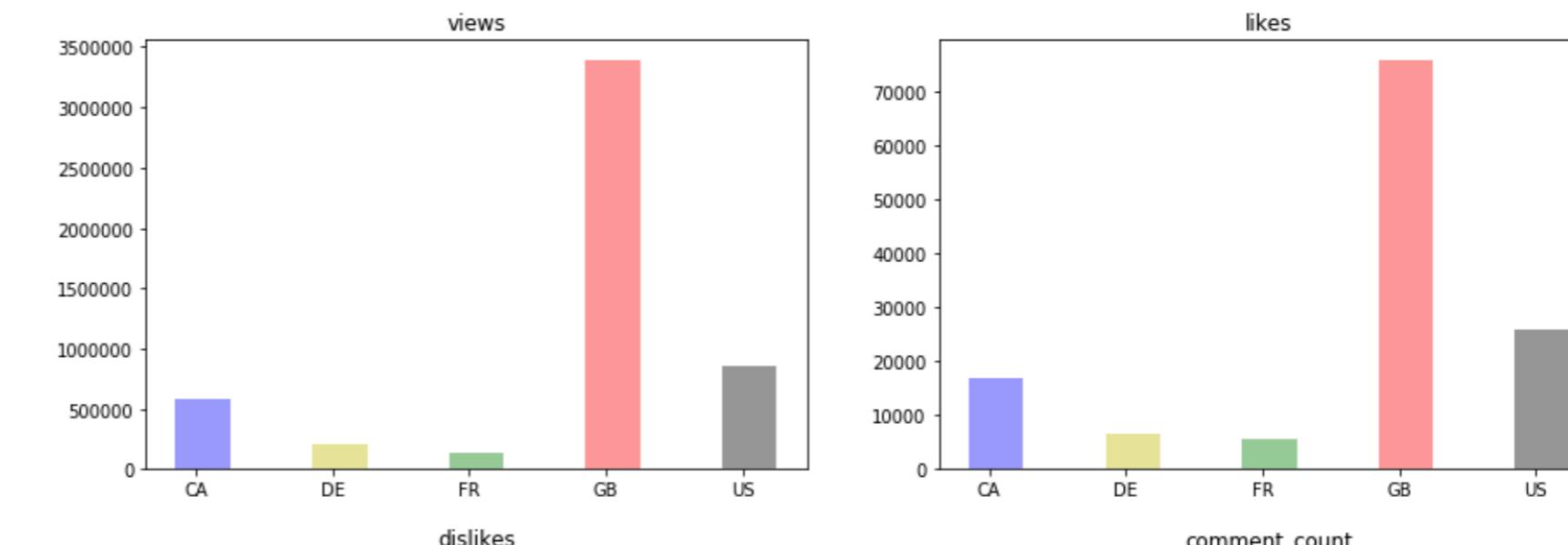


How long a video trend in different countries



Analysis : How many likes, dislikes, views and comments get by different countries?

Code

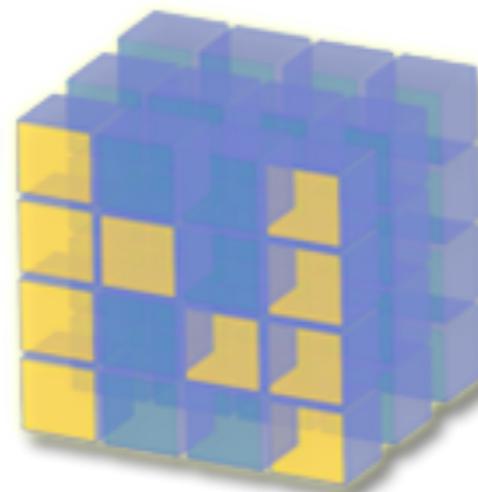




Natural Language Analysis
with Python NLTK



+ a b l e a u®
s o F T w A R E

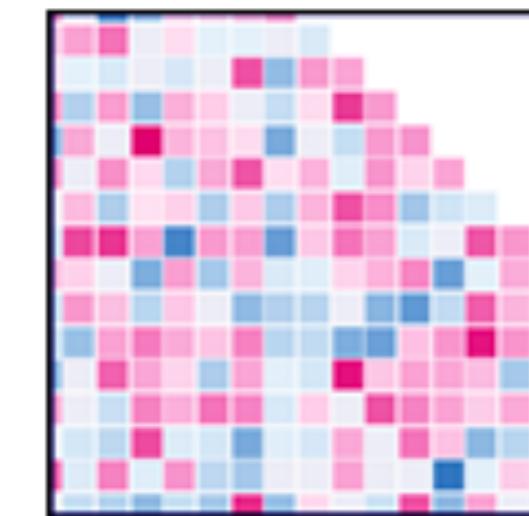
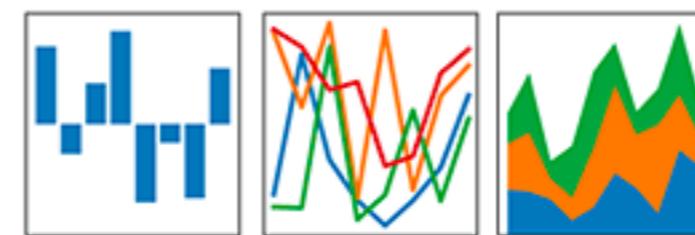


NumPy



pandas

$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



Seaborn

$\frac{dr}{dt} + \vec{p}\vec{v} \cdot \nabla \vec{v} = -\nabla p + \mu \nabla^2 \vec{v} + \rho \vec{g}$
 $F_g = G \frac{m_1 m_2}{r^2}$
 $\alpha = \frac{\partial \vec{v}}{\partial r}$
 $\vec{v} = \sqrt{\frac{2}{\rho}} \vec{r}$
 $\vec{v} = \vec{v}_0 \frac{1}{\sqrt{1 + \frac{1}{8\pi^2} \int d\alpha'_2}}$
 $\vec{v} = \vec{v}_0 \frac{1}{\sqrt{1 + \frac{1}{8\pi^2} \int d\alpha'_2}}$



Bootstrap