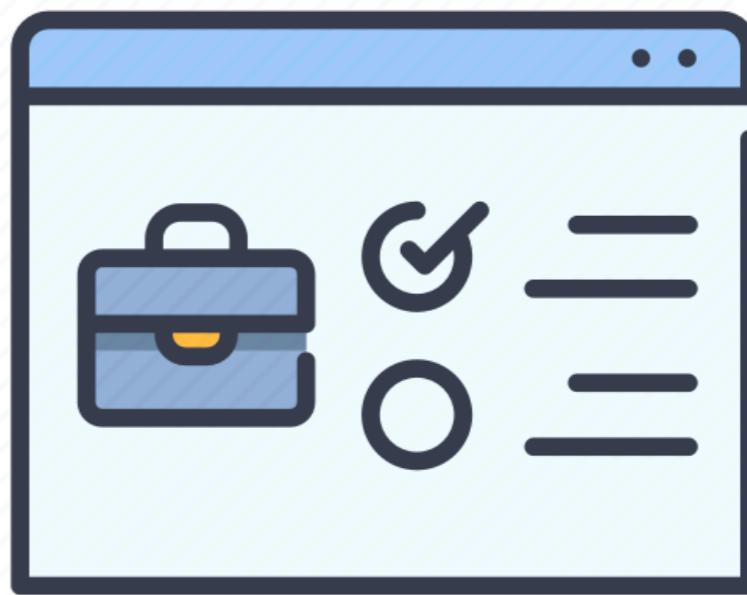
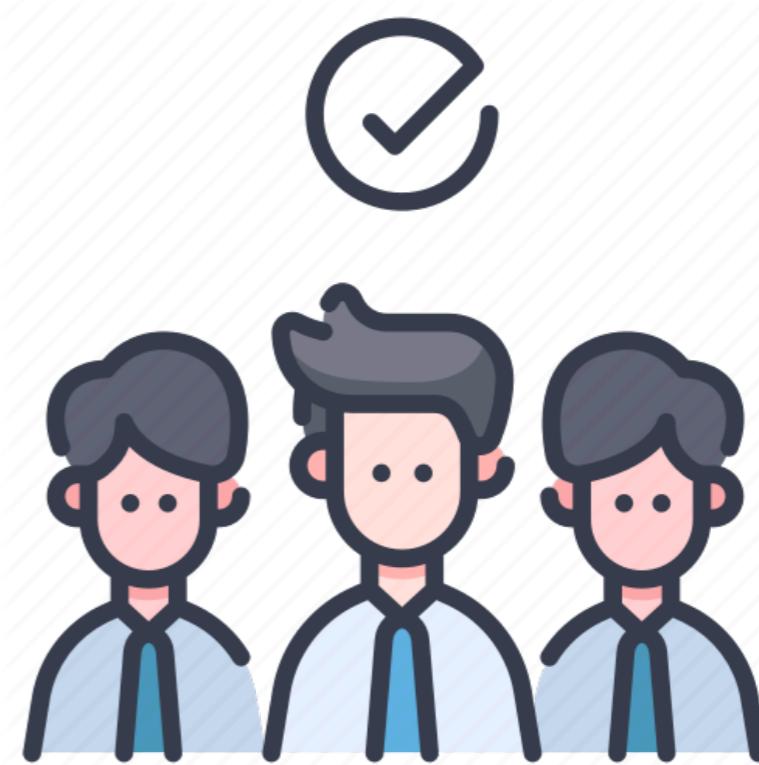


STRATEGIES BEHIND YOUTUBE TRENDING VIDEOS

INF554 Information Visualization
Final Presentation

Team Name:
Team Member:

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







 Dataset

Trending YouTube Video Statistics

Daily statistics for trending YouTube videos

 Mitchell J · updated 6 months ago (Version 115)

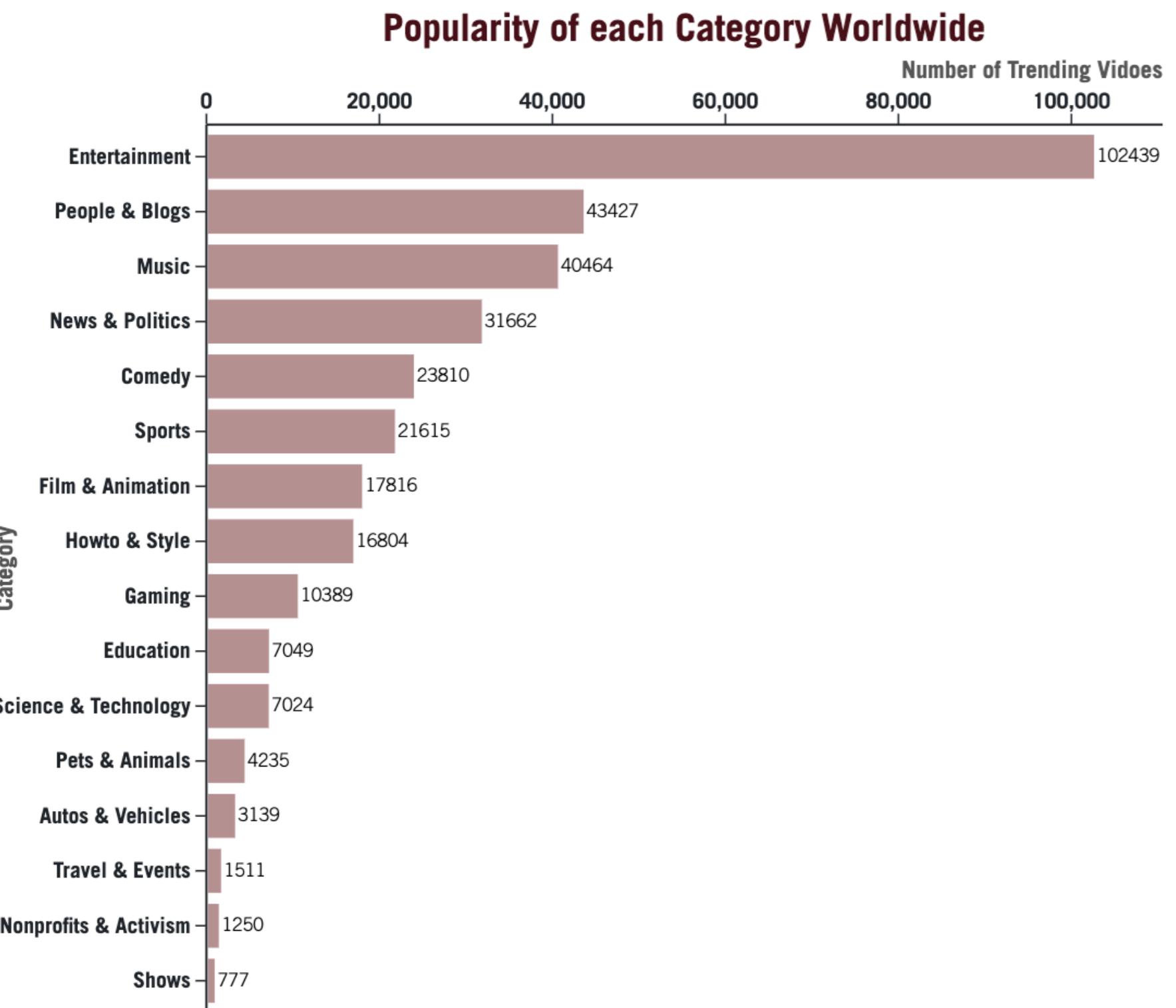
YouTube

1770

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

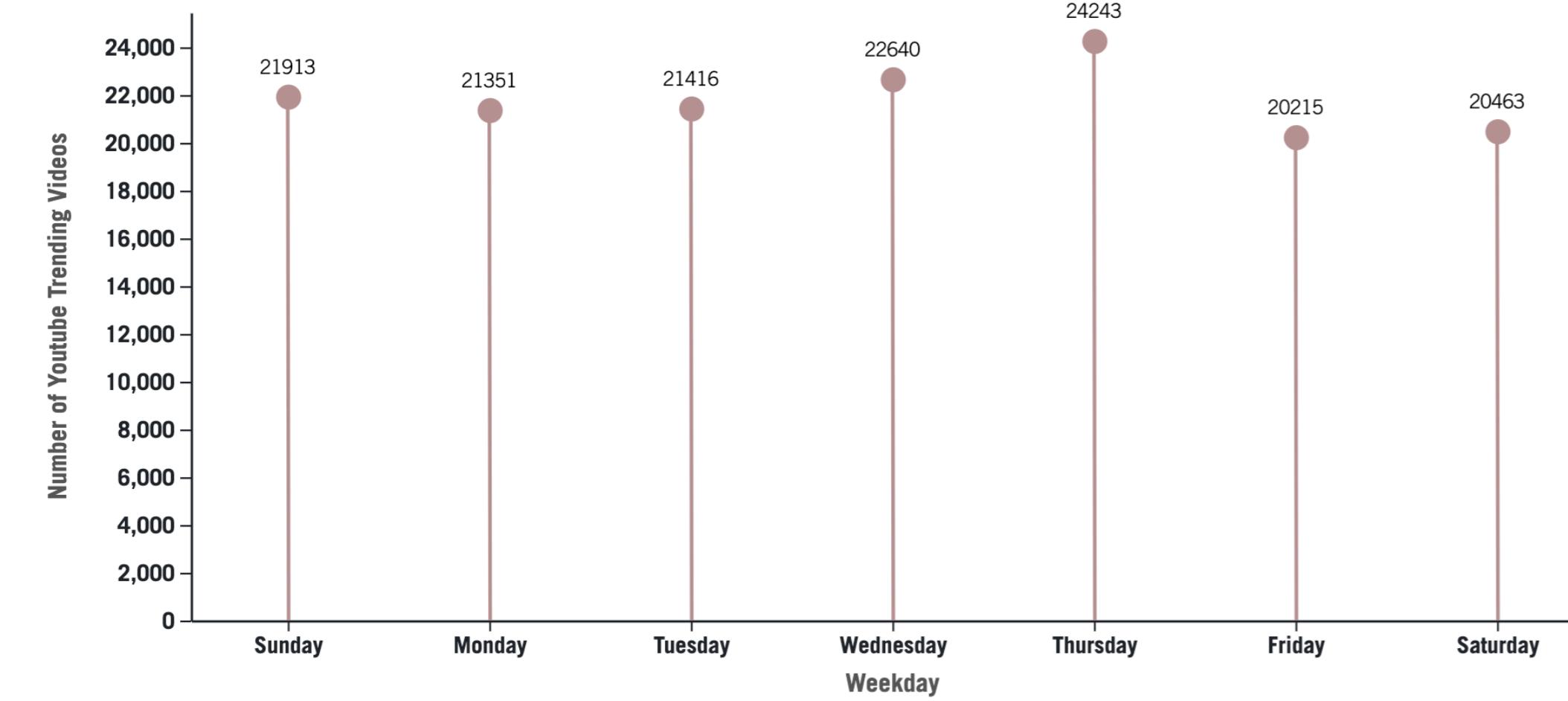


Evaluate By: Weekday Hour

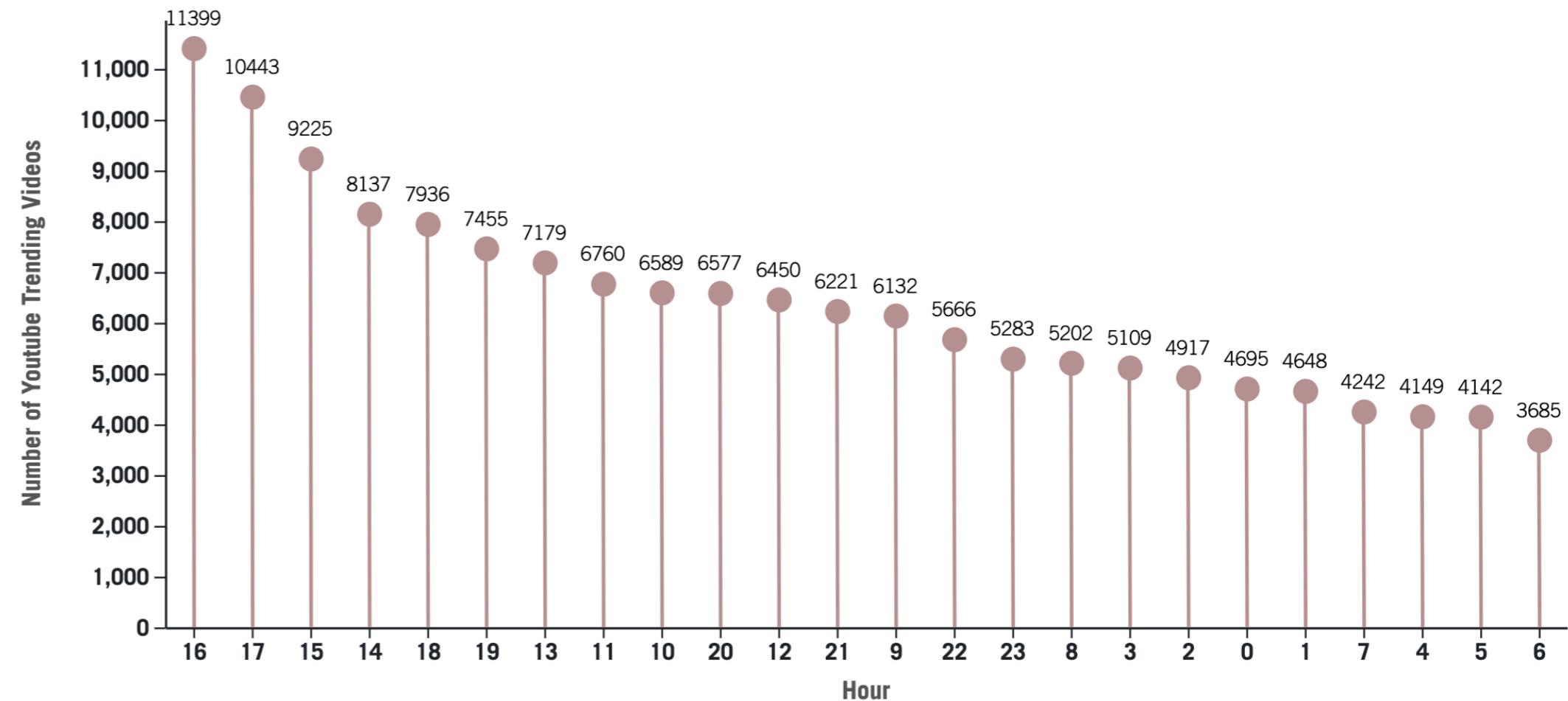
Sort By: Time Descending Value

Reset: Reset

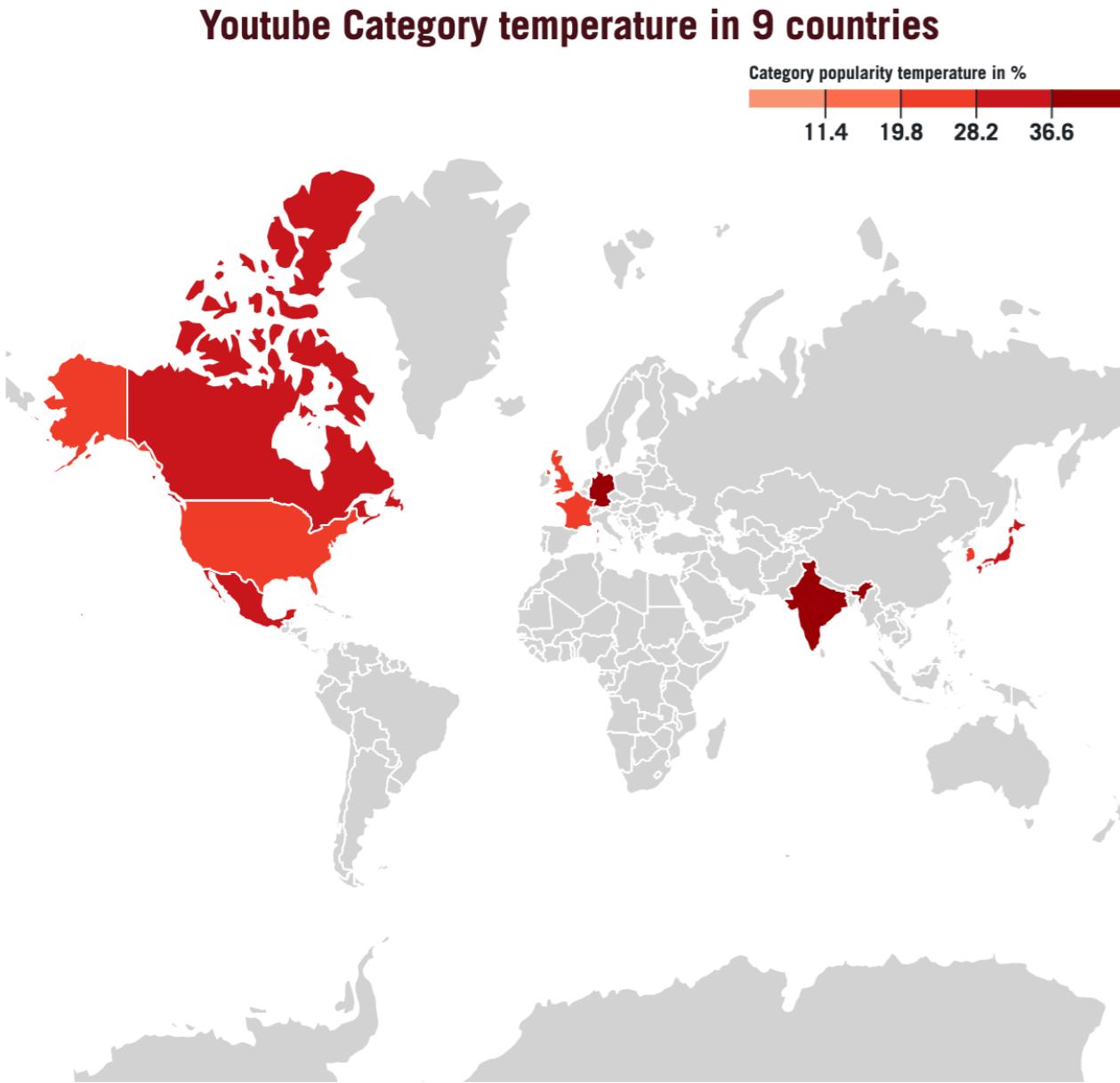
Best Weekday to Publish a Youtube Video in Order of Time



Best Hour to Publish a Youtube Video in Order of Descending Value

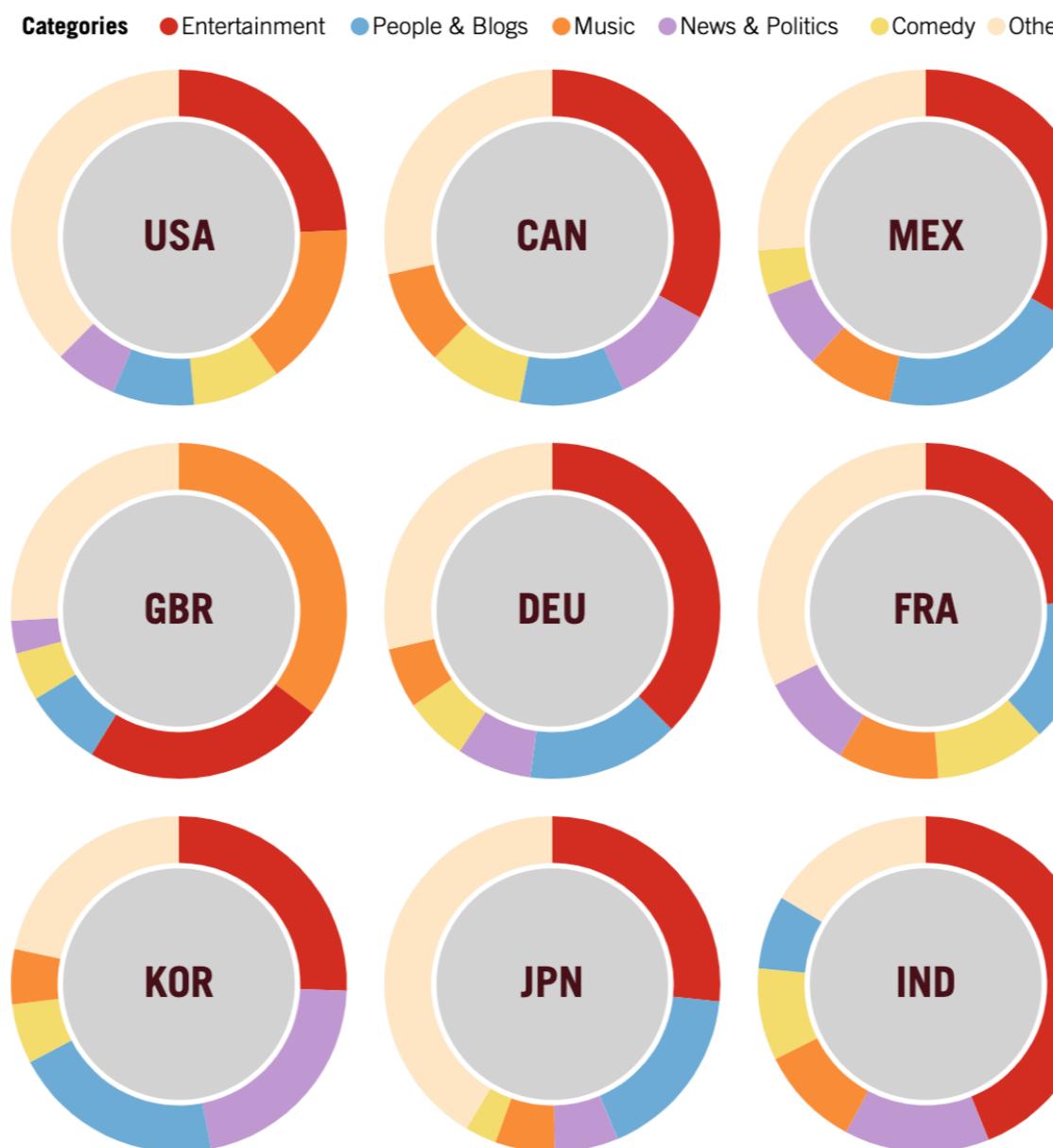


Top 5 popular categories: Entertainment | People & Blogs | Music | News & Politics | Comedy

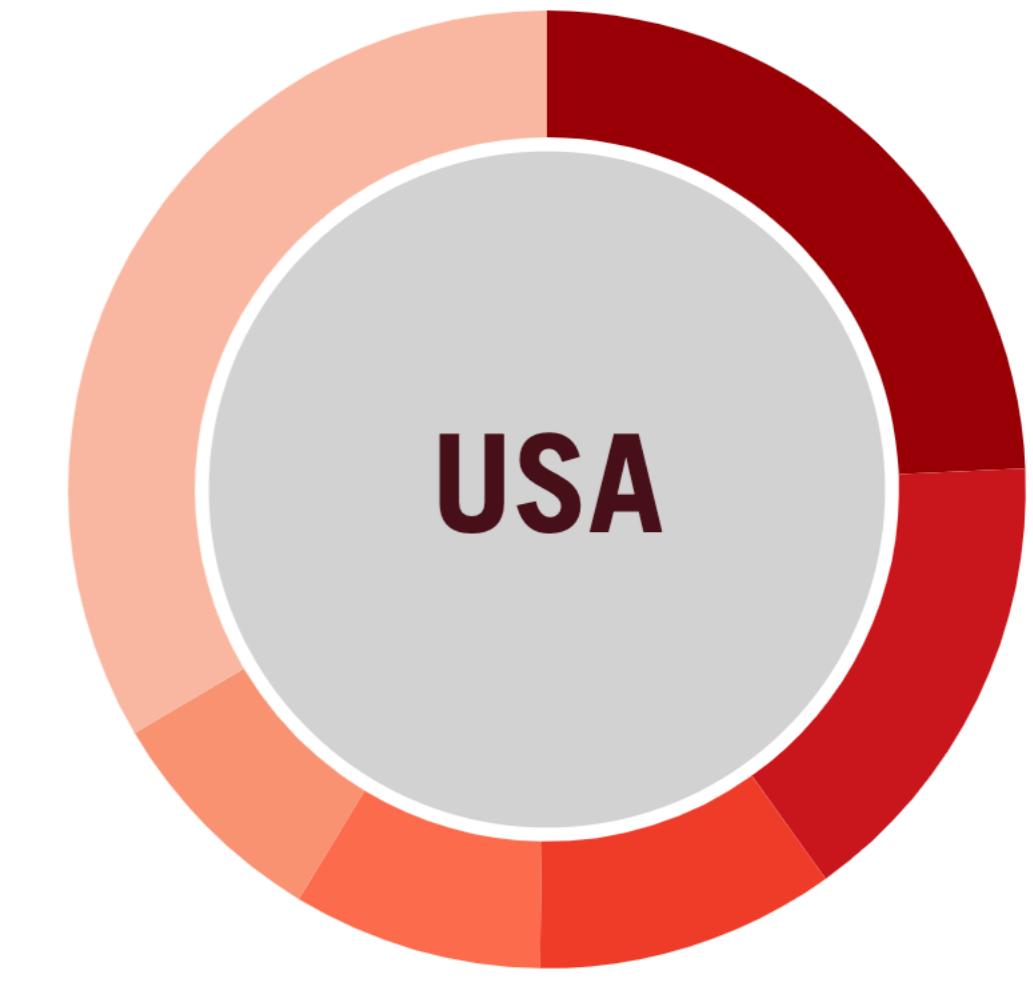


Reset:

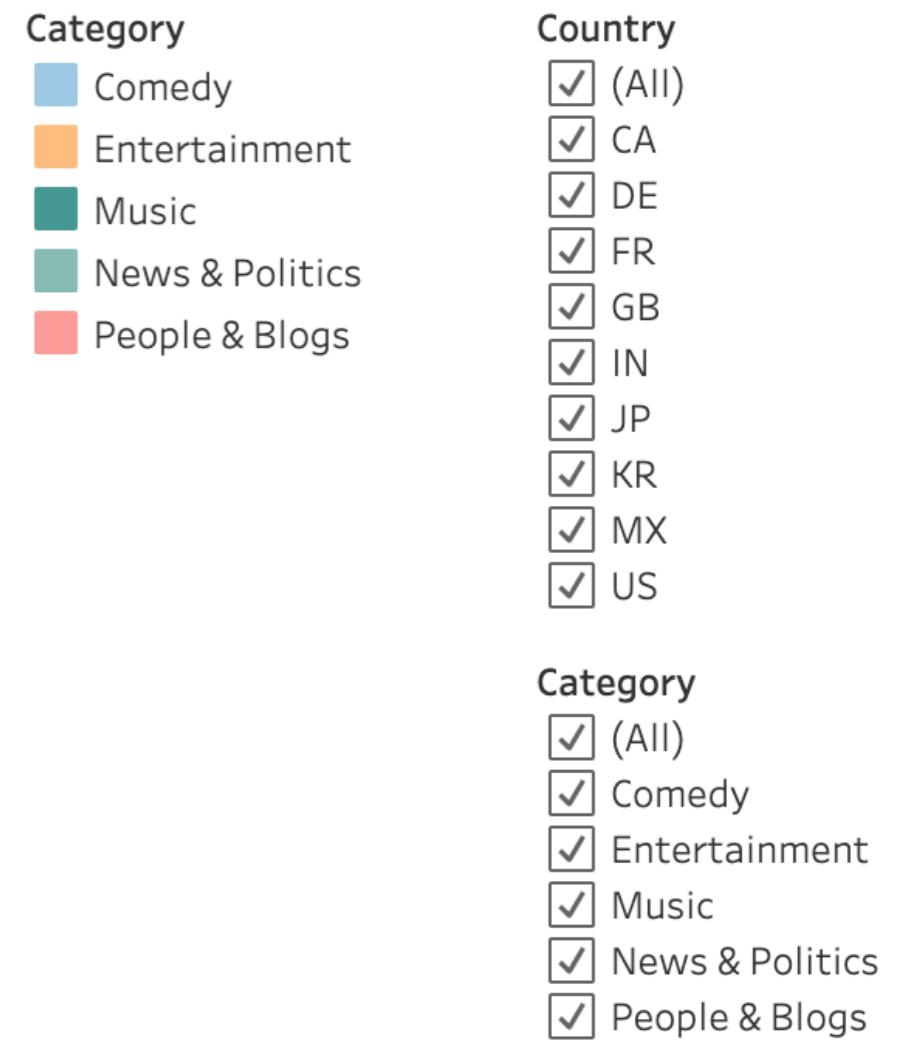
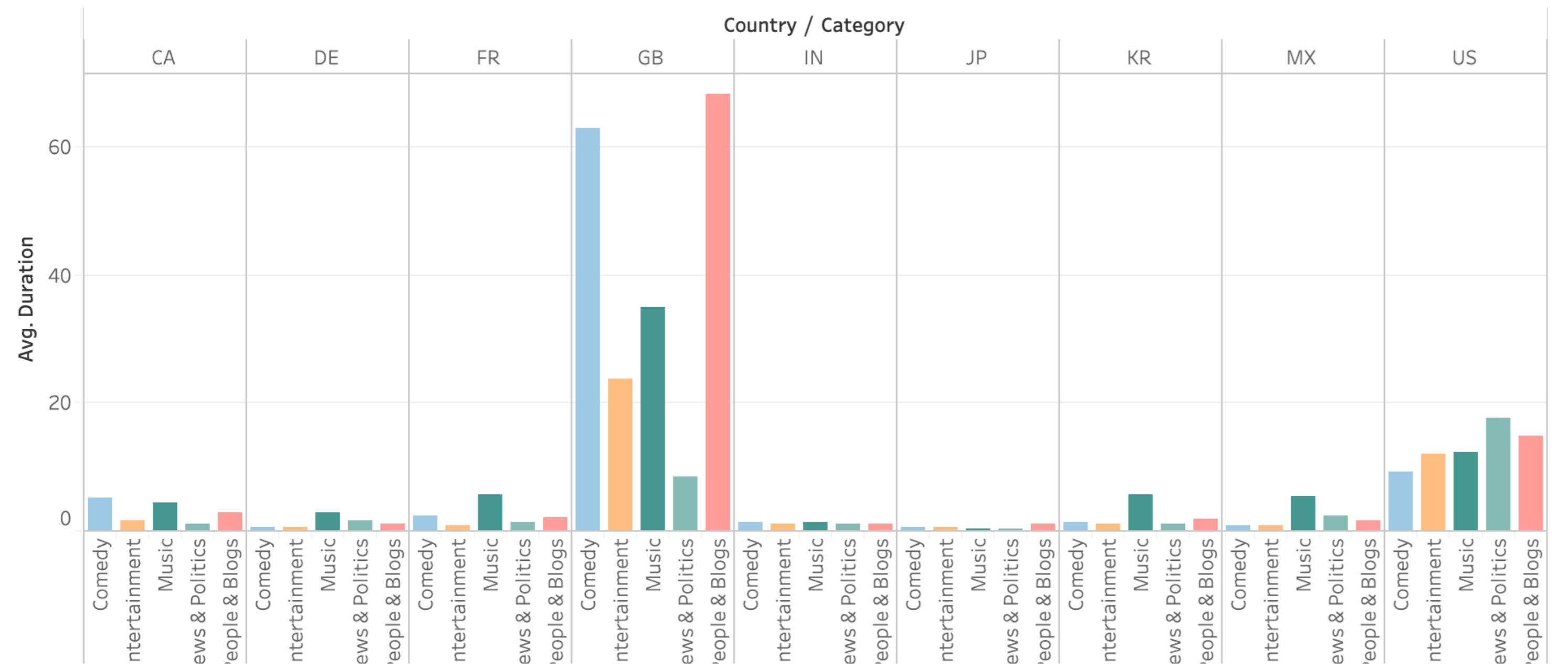
Distribution of Global Top 5 Categories in 9 Countries



Distribution of United States's Top 5 Categories

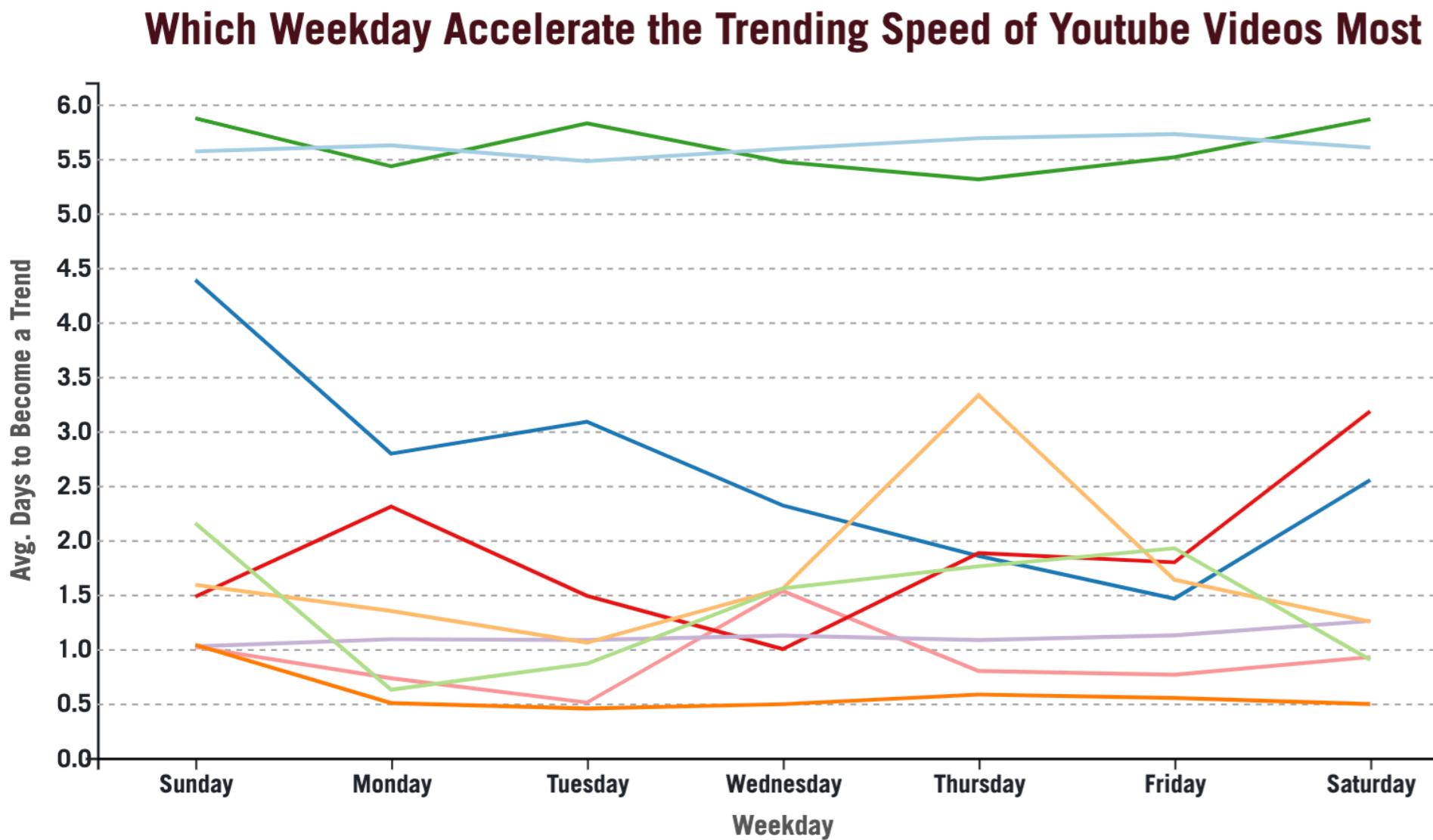


How long will it take to become trending?

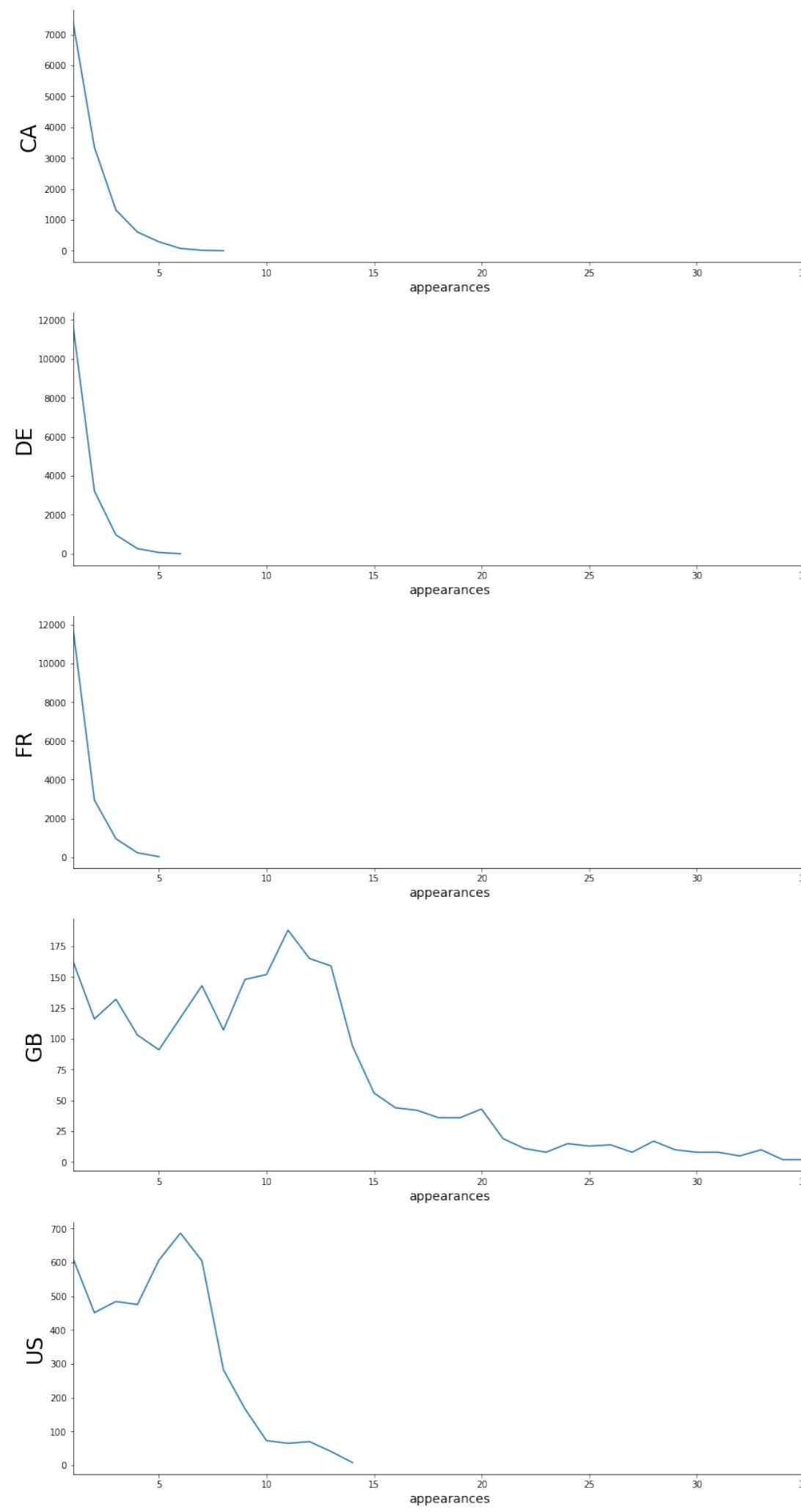


All Countries

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

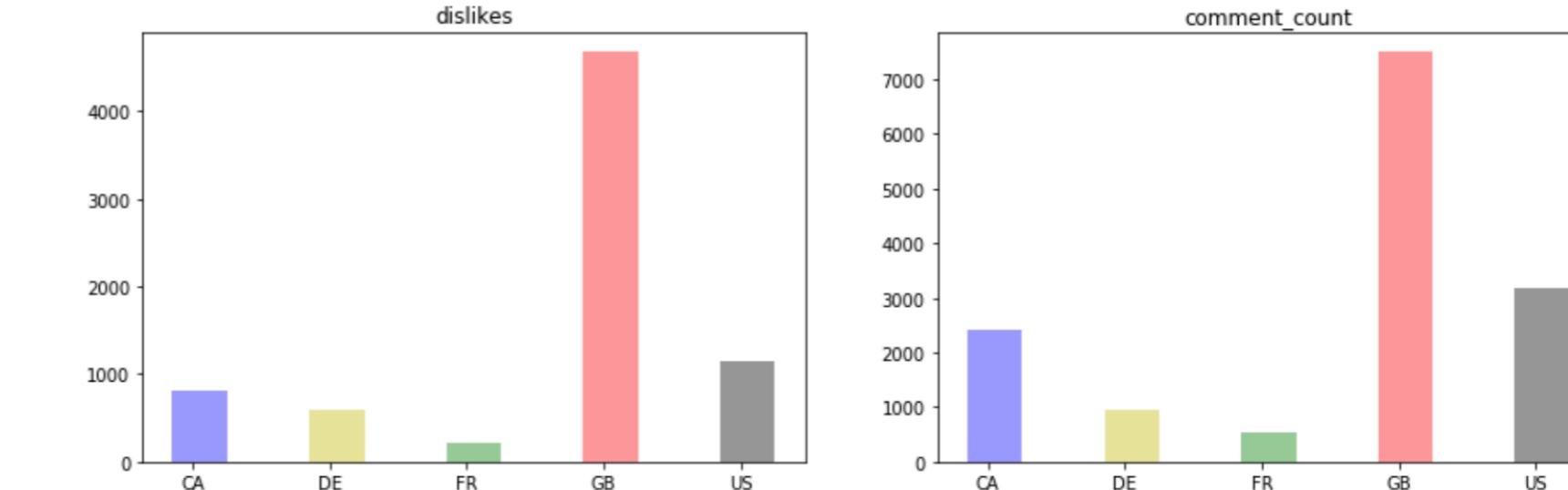
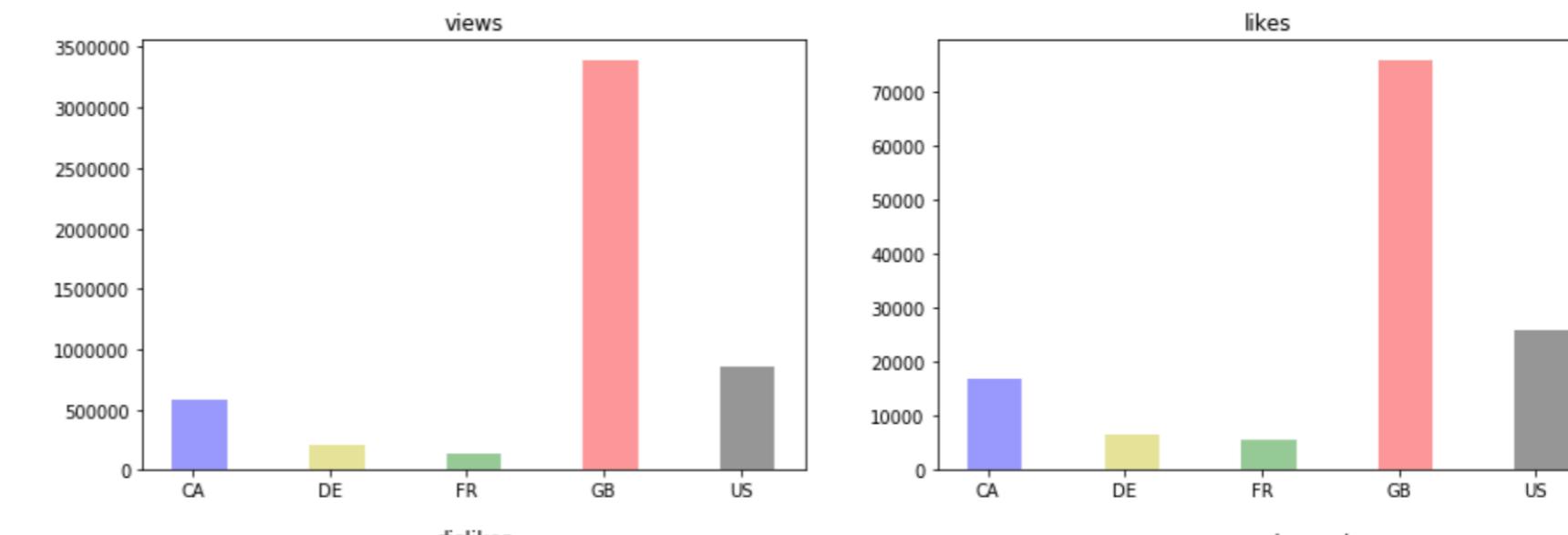


How long a video trend in different countries



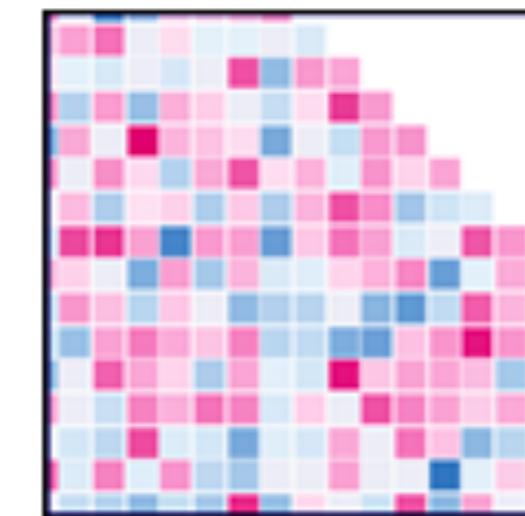
Analysis : How many likes, dislikes, views and comments get by different countries?

Code



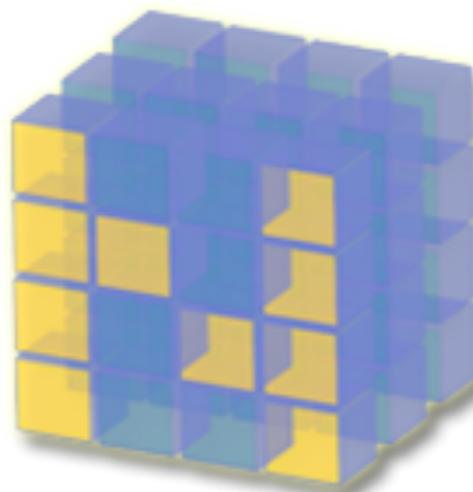


Natural Language Analysis
with Python NLTK



Seaborn

+ able | eau®
s o F T W A R E

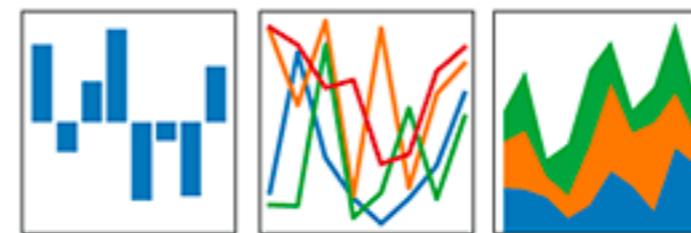


NumPy



pandas

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



$\frac{dr}{dt} + \vec{p}\vec{v} \cdot \nabla \vec{v} = -\nabla p + \mu \nabla^2 \vec{v} + \rho \vec{g}$
 $F_g = G \frac{m_1 m_2}{r^2}$
 $\alpha = \frac{\partial \theta}{\partial r}$
 $\omega = \frac{d\theta}{dt}$
 $d\alpha = \sqrt{\frac{2\mu}{r}}$
 $\delta_1 \rho_1 \sigma_2 = U_{\delta_1, \sigma_2}^{3/2} + \frac{1}{8\pi^2}$
 $m_1 m_2$
 $U_{\alpha}^{0\mu}$

B
Bootstrap