HOW TO ANALYZE YOUTUBE

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YOUTUBE

Owned by Google

Hires tons of Analysts

Has one of the best YOUTUBE Algorithms in the world

GET THE VIDEO DATA

https://github.com/fenago/ISM3545

18.01.11_US_videos.csv



REVIEW THE DATA

- Counts
- Nulls / NaNs
- Data Types
- Any and all cleaning / pre-processing

FEATURE ENGINEERING

In this case, I'm going to drop these fields:

- video_id, channelId,
- categoryId. trending_date,
- tags,
- thumbnail_link,
- comments_disabled,
- ratings_disabled,
- description

UNIVARIATE ANALYSIS

Use the DA Template and answer questions like:

- Average of
 - Views
 - Likes
 - Dislikes
 - o comments

SIDEBAR - HOW DOES THE ALGORITHM WORK?

- 1. View count
- 2. How quickly the video is generating views (i.e. "temperature")
- 3. Where views are coming from, including outside of YouTube
- 4. The age of the video
- 5. How the video performs compared to other recent uploads from the same channel

https://support.google.com/youtube/answer/7239739?hl=en#:~:text=Trending%20helps%20viewers%20see%20w hat's,of%20viewers%20would%20find%20interesting.&text=The%20list%20of%20trending%20videos,same%20po sition%20in%20the%20list.

BIVARIATE ANALYSIS / MULTIVARIATE ANALYSIS AND CORRELATION

Can you find a pattern between 2 columns in this dataset?

Are there any obvious correlations?

If you add back in the categorical columns, can you discover any new insights?