THE AGE OF INCOGNITO

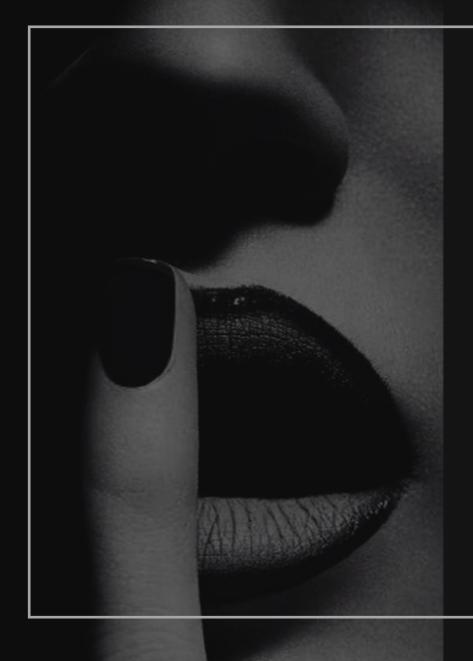
Utilizing Big D in the Adult Film Industry

MSDS 2020 LT 15 Cordero | David | Gloria | Ong

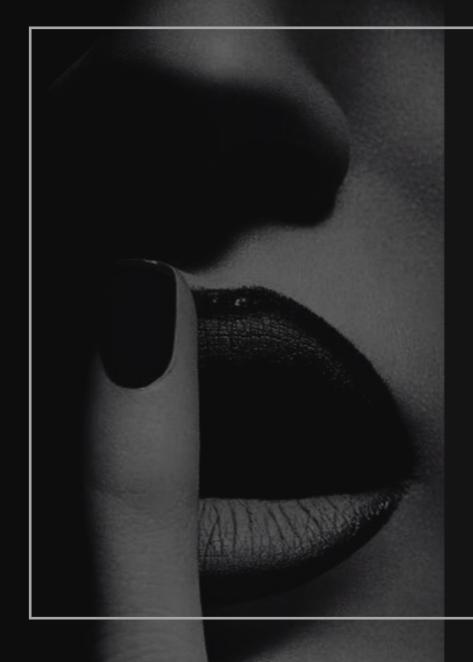
this is not about pom

this is about your DIDDCV

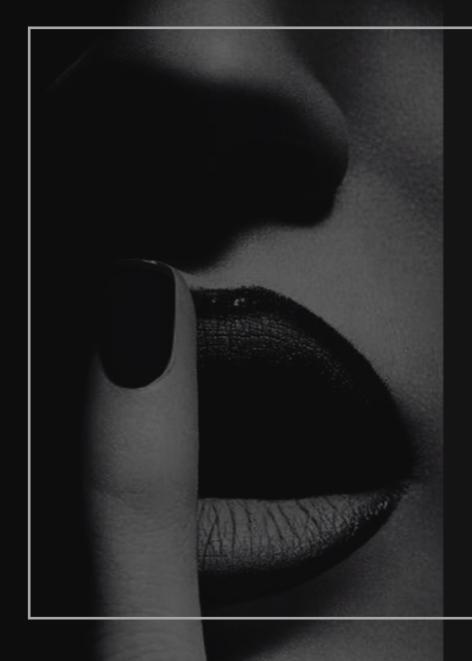




the internet knows who you are



the internet knows where you've been



the internet knows what you like



the internet knows who you've been talking to

NETFLIX Browse ING DVD RNABL

Because you watched Stranger Things



Because you watched The Crown



Because you watched American Crime Story: The People v. O.J. Simpson



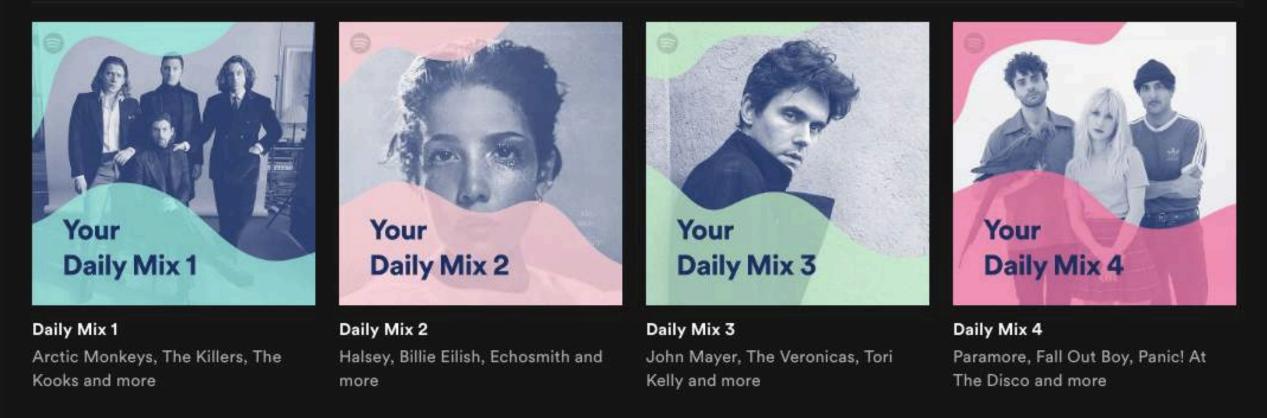
Home

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Made for you

Get better recommendations the more you listen.

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In 2018, **Cambridge Analytica** harvested millions of personal data of facebook users without consent and used it for **political advertising**. how can we deliver quality recommendations without compromising data privacy?



content based recommender system

6,800,000+ videos

6,800,000+ videos 380,000+ tags

6,800,000+ videos **380,000+** tags **304 billion** views

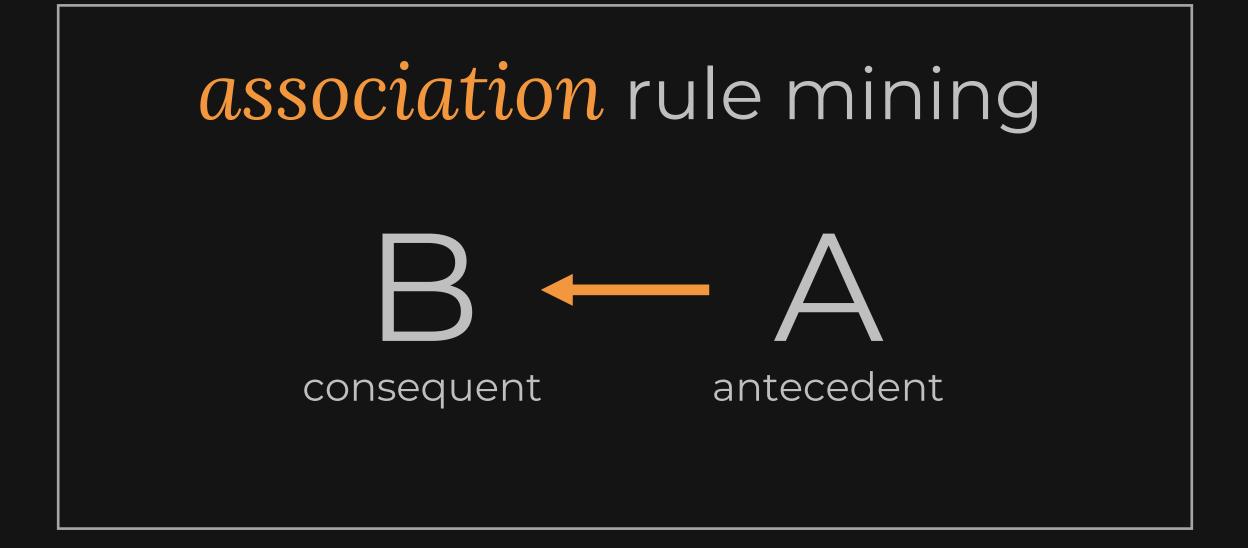
6,800,000+ videos 380,000+ tags 304 billion views collected from the top adult film site

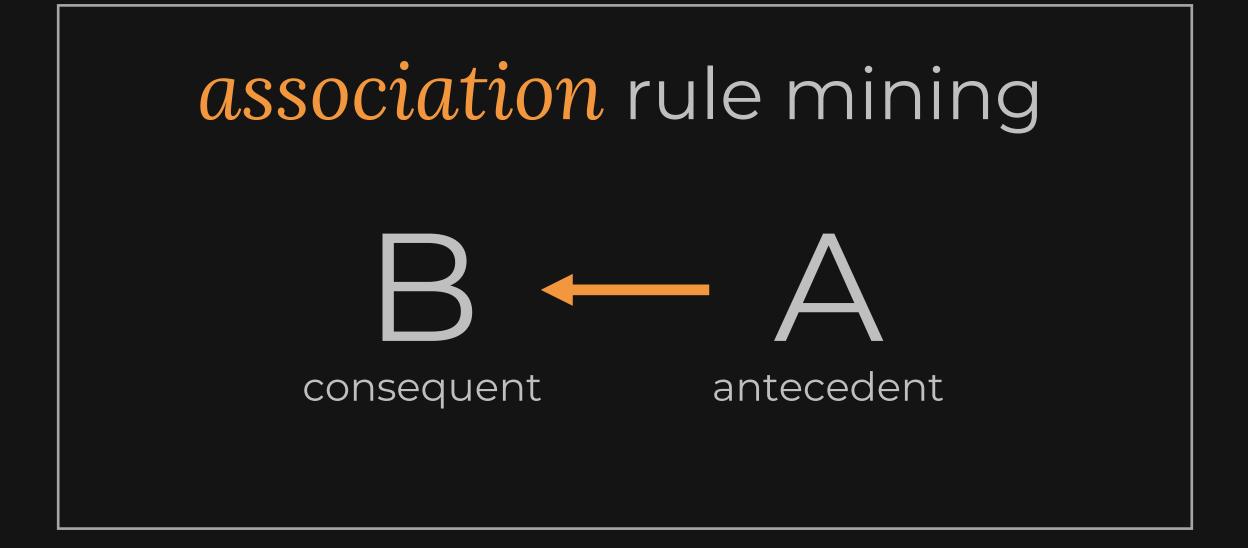
diversity behavior similarity

diversity behavior association rule mining

similarity clustering

association rule mining

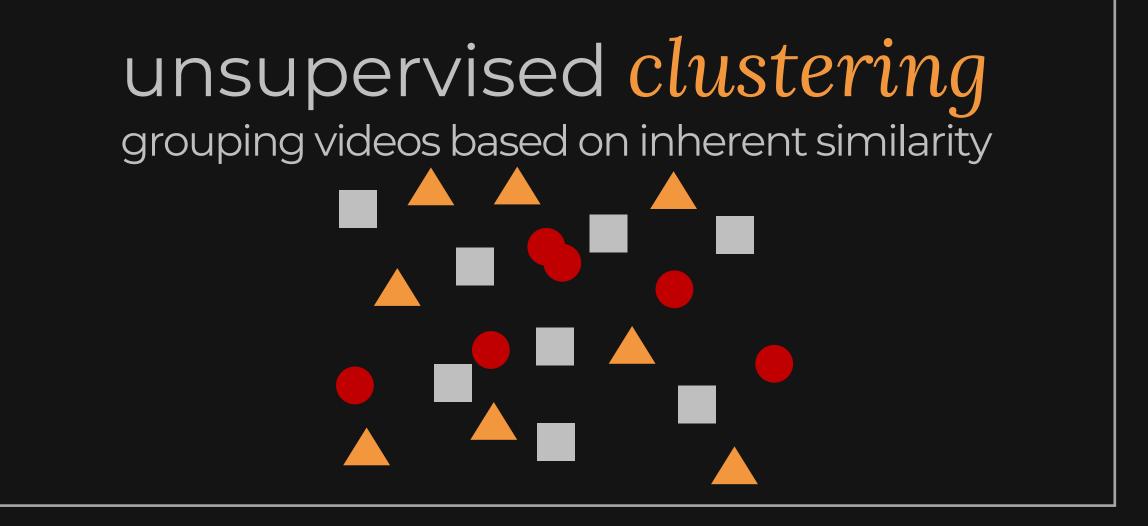


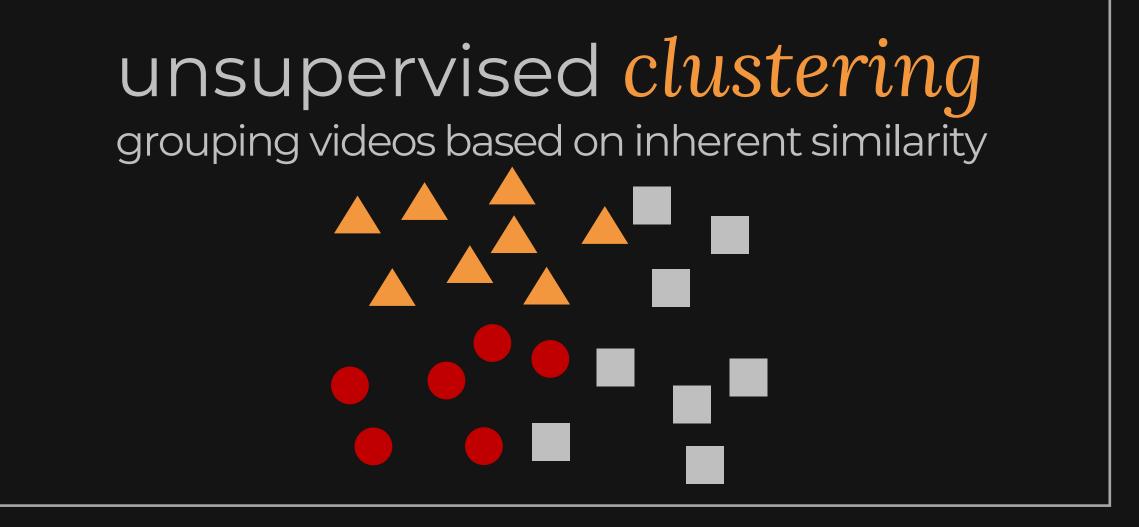


association rule mining transaction item rating

association rule mining transaction video item tag rating views

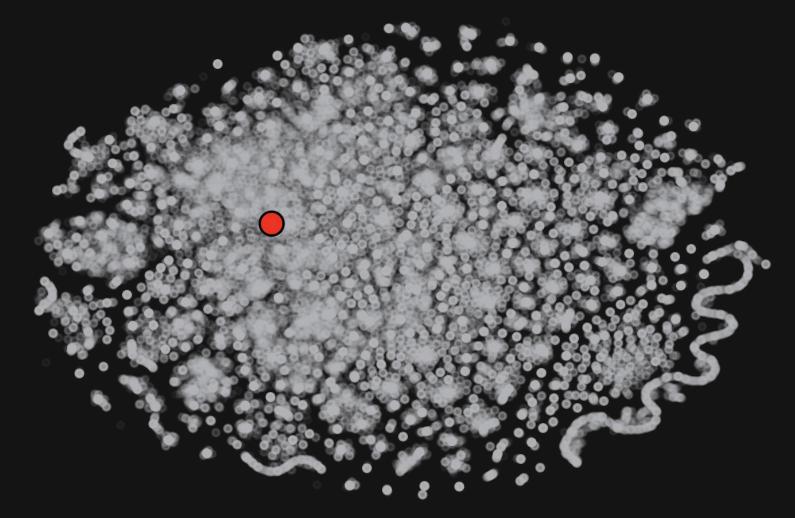


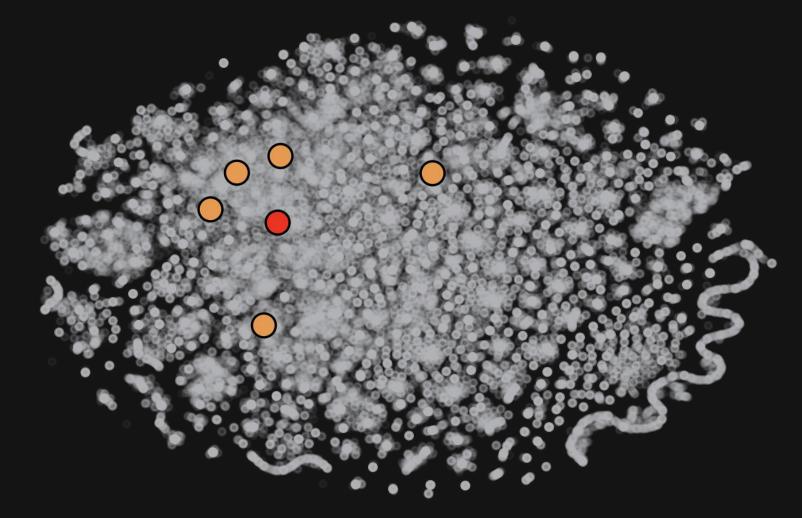




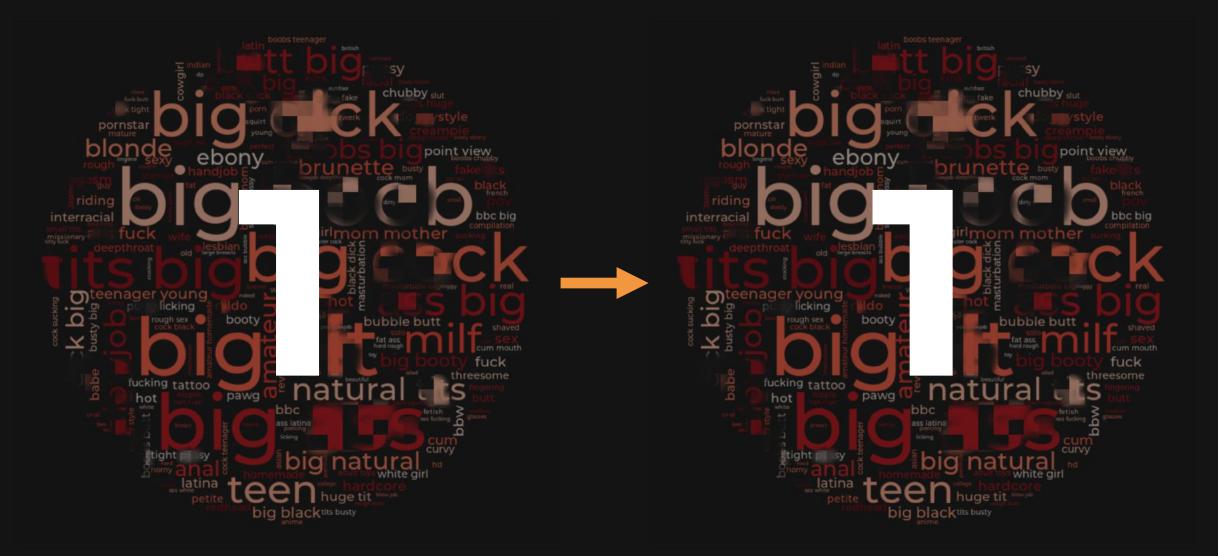


recommended videos stay within the same cluster. The persistence of the video themes are strong.

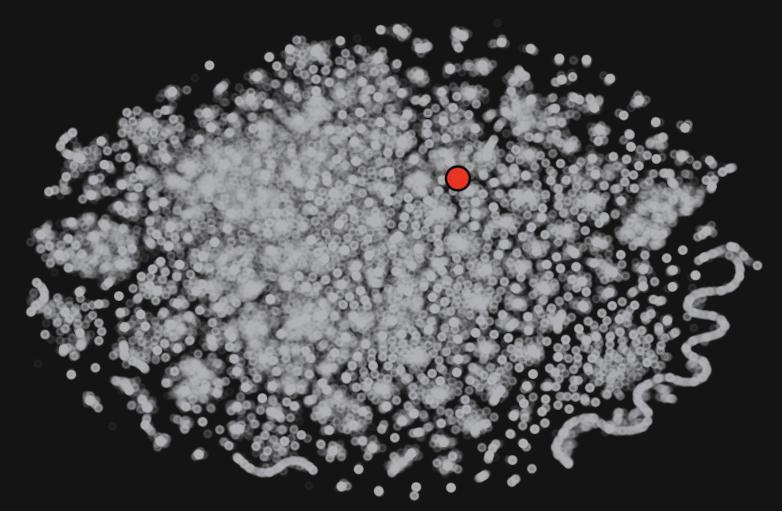


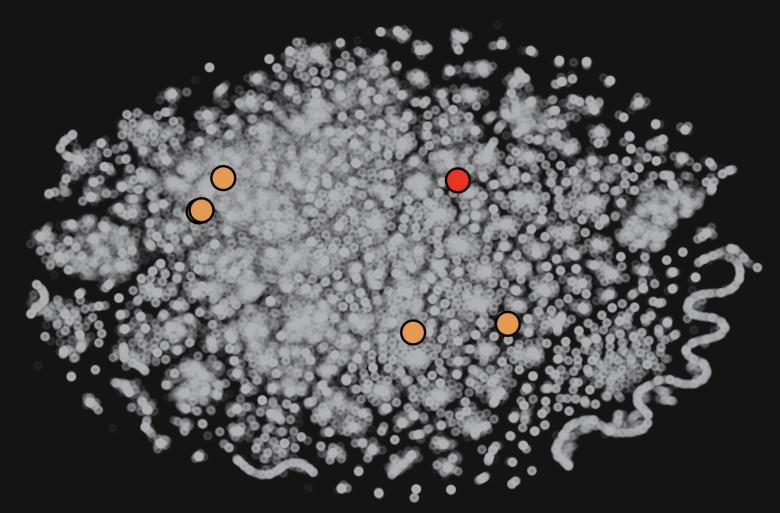






recommended videos jump to different clusters. The themes tend to lead to other types of videos.









what now?

As data privacy becomes a bigger concern, companies could possibly lose access to user-specific data.

content based recommender system

association unsupervised rule mining clustering But in the digital world, whether it's digital cameras or satellites or just what you click on, we need to have more explicit rules - not just for governments but for private companies.

-Bill Gates

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