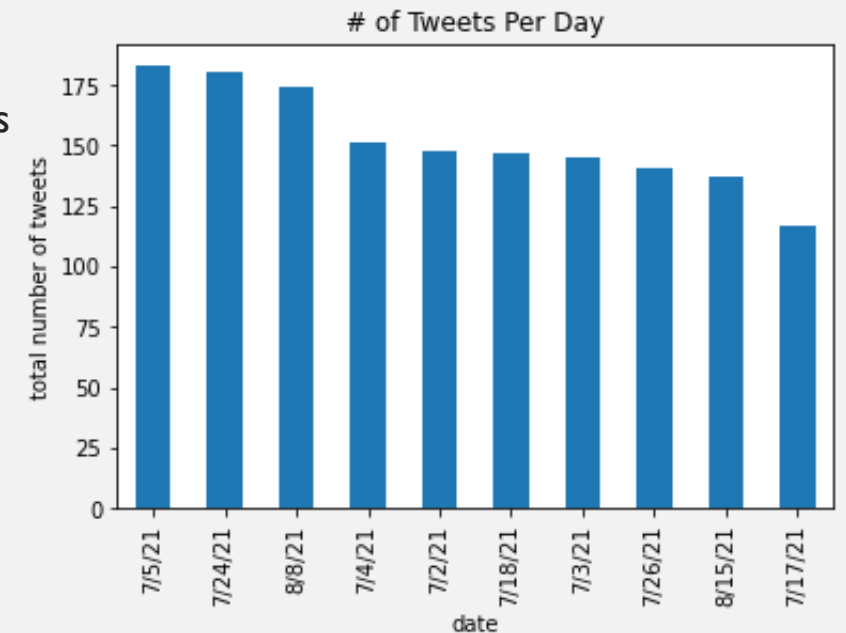# TOPIC MODELING WITH BITCOIN TWEETS

Mishka Asli

DATA

- ~8000 tweets containing word Bitcoin or #BTC

- Filtered by User Followers > 128,000 and in June, July, August 2021.

- Assumptions:

  - Twitter and a users' high follower count demonstrate topics

being discussed on Bitcoin.

MODELING OVERVIEW

- Preprocessed Tweets.

- Grouped By Day.

- Compared Documents with TF-IDF and Topic Modeled with NMF.

TOPIC INTERPRETATION: CHINA

China Central Bank Cracking Down on Cryptocurrency Trading

Michael Cohen
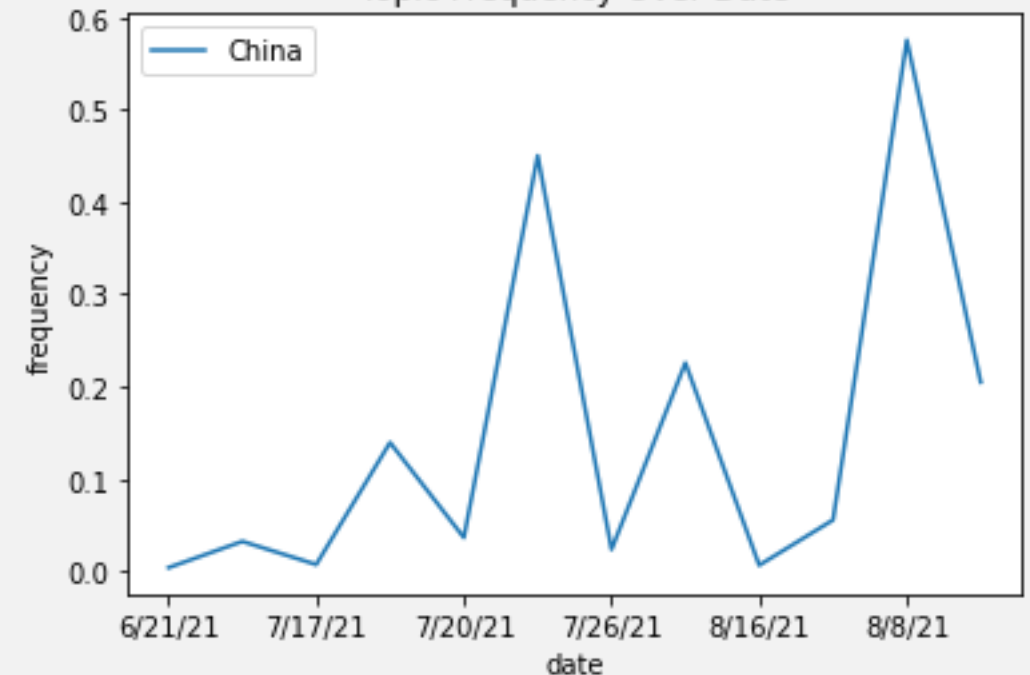July 31, 2021 · 1 min read

Real Vision ✔ @RealVision · Jul 30
Yes, China has been cracking down on #BTC ₿ miners. So what?

"All that happened was they migrated to Japan, Thailand, and Korea, right? You can't shut down #Bitcoin ₿ ."

Founder **and** CEO of @ARKinvest, @CathieDWood.
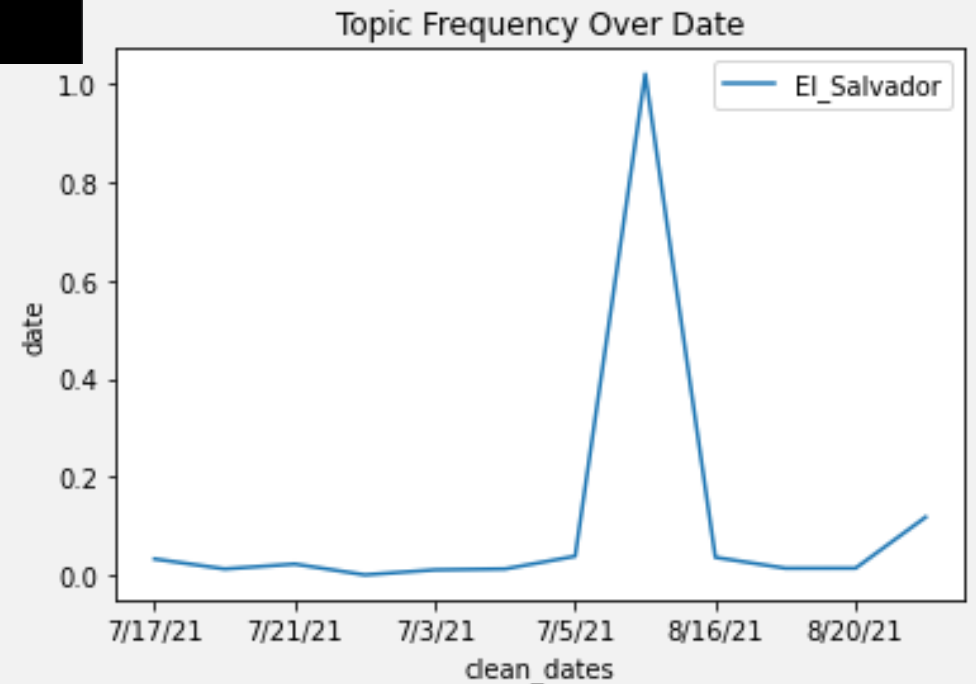

Topic Frequency Over Date

TOPIC INTERPRETATION: EL SALVADOR

Steve Hanke ✔ @steve_hanke · Aug 18

El Salvador still hasn't released the regulations to accompany the poorly crafted, half-baked #Bitcoin ₿ Law, a law that is supposed to be implemented on Sept. 7th. It is time to abandon the Bitcoin ship before it sinks El Salvador.

Topic Frequency Over Date

CONCLUSION

- Topics were overall positive and related to crypto news.

- Future work:

  - Tune Parameters, Spell Check, Show Topic relationship to Price.