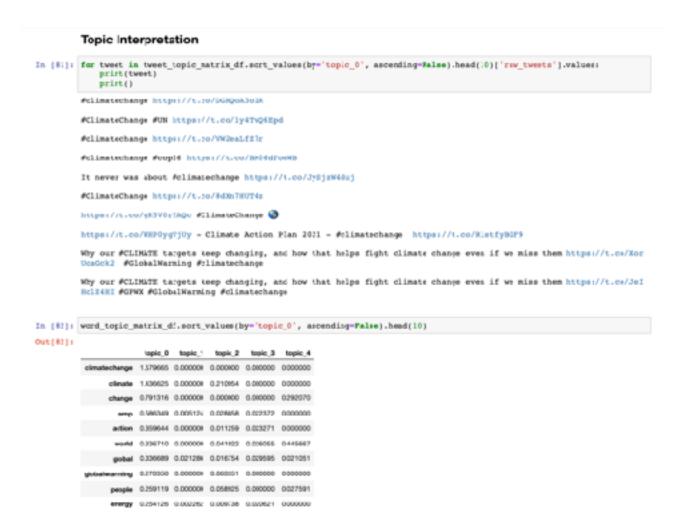
MVP United Nations Climate Crisis Conference 2021 Twitter Topics (COP26)

The Goal of this project is to recognize the hottest topics on the on twitter in regards of the COP26 summit that has been happening right now (Oct 31 - Nov 12, 2021).

Extra:

TBD (sentiment analysis)

I have been using 2 types of scraping, one from the APIs provided by the Tweeter developer(which I ended up not using since it wasn't easy to use. As of the second one, with the use of the json files and function, I have collected 10000 for 5 hashtags of #COP26 #ClimateChange #TogetherForOurPlanet #ClimateCrisis #GlasgowCop26. There was about 2500 duplicates which made me end up with 7616 data.



```
In [88]: for twest in top_tweets(tweet_topic_natrix_df, 'topic_1', 5):
               prirt(tweet)
           Con la Seclaración de Glasgow el turismo asume la responsabilidad sobre la acción climática en la actividad y que el cambio climático y la contaminación ponen en peligro el desarrollo turistico. La sostenibilidad es esencial en el tur
           ismo que viere!
           #CCP26 Ditps://t.en/e082275019
          El #Gobierno#X no firmó el acuerdo global para detener y revertir la pérdida de bosques y la degradación de la tierra para el 2030, come lo micieron más de 100 líderes mundiales en la #ulasgowuppa6. https://t.co/berfalelhk
            no firmó el acuerdo global para detener y revertir la pérdica de bosques y la degracación de la tierra para el 2010,
           como lo hicieron más de 100 líderes mundiales en la #GlasgowCop26.
           https://t.co/tlaspweaco
          López aseguré que la firma del convesio para revertir la deforestación en la #GlasgosCop26 fue una idea de su gobiern o inspirada en el programa 'Sembrando Vida'.
           Pero el presidente es ian humilde que ni asistió a la cumbre para que le disran las gracias.
           #Internacional La cumbre del clima es #GlasgowCop26 Sin la #China el principal contaminador del planeta, la cumbre es
           una percida ce tiempo, El titere de
           #Barack(bama #Joskiden aprovech( la «portunida) para dormir, En Serio! Este es el Presidente de los #EstadosUnidos No
In [85]: top_words(word_topic_matrix_df, 'topic_1', 10)
                     1.084278
                     0.951200
           el.
                    0.631336
                    0.461427
           los
           para.
                     0.424016
                    0.344824
           por
                     0.307929
           Name: topic 1, dtrpe: float64
```

As of baseline when running NMF we could see for the first topic:

- 1. Due to the #climatechange we are not getting a good interpretation for topic 1 and need to remove all hashtags in this regards.
- 2. Topic 2 is in Spanish and as for the top word matrix we are getting mostly adjectives. I'am going to removes languages other than English for a better interpretation on topics and understanding.

Besides that, I have been organizing the my data frame since this Json files have been super unorganized and unable to work with.

** I will be going back and try to get more tweets closer to the final project day, since the conference is still going on and a lot more tweets are getting posted in regards of this conference.

Next Steps:

- Separate English language tweets from my data frame
 Remove Stop words
 Stemming
 Lemmatizing
 Vectorization

- Then get into NMF....

	twitter_id	content	removed_links	removed_users	removed_hashtags	removed_av	takens	lemmatized
o	aquitainexox	₩8anterm42404991 &M HarryCole Absolutely one a	@Bantern42404691 GM·HanyCde Absolutely one a	Absolutely one self- indulgent ego trip!! 4COP26	Absolutely are self- indulgent ago trip!!	Absolutely one self- incluigent ago tripil	absolutely self indulgent ego ario	absolutely self indulgent ego trip
1	GEG_JGM_Info	Please join us at a #OCP26 bide event "Impleme	Please join us at a 4COP26 side seem! "Impleme	Please join us at a EGOP26 aids event Timpleme	Please join us at a side event "Implementing	Please join us at a side event "Implementing	join event implement joint credit mechanism jo	join event implement joint credit mechanism jo
2	zpnine	#india/a huge solar uptake has boosted #climat	Andis's huge soler uptake has boosted dolmat	Findia's huge solar uptake has boosted folimat	's huge scienuptake has boosted goals, says	's huge soler uptake has boosted goals, says	huge solar uptake boost goals say minister	huge soler uptake boost goals say minister
3	AsoFa abrasCl	Baunión #00P28 Reunión mundial de países sobre	Paunión #00P26 Reun ón mundial de países sobre	Baurién 400P26 Reunión mundial de países ecore	Reunión Reunión mundial de países sobre camb	Brunión Reunión mundial de países sobre cambi	reunión reunión mundial países sobre cambio al	reunión reunión mundial países cidmas ardos b
4	Cretionet	©_p n_id PLN tercepan cukung pemanisatan FBT⊈'\	€_pih_id PLN terdepan dukung pemanfaatan EBT@\	C_pin_id PLN terdepan dukung pemantaatan EBT € \	⊌_pin_id PLN terdepan dukung perranfsatan FRT@\	9_pin_id PLN terdepan dukung pemanfaatan FBT Ç \	pin pin terdepan dukung pementaatan abit	pin pin tercepan dukung pamenfastan abi