

COP26 UNITED NATIONS CLIMATE CHANGE SUMMIT 2021

twitter 

dialog topics

by
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INTRODUCTION

COP26: history and goals

- “Conference of the Parties”
- UK as President, COP26 in Glasgow
- The famous cop21: Paris - Every country agreed:
 - Work together - limit global warming below 1.5 degrees
 - Adapt to the impact of climate change
 - Make finances available for aims
- Paris Agreement: ‘NDCs’

The commitments laid out in Paris was not met !
Times is running out!
2030 decade will be crucial!



INTRODUCTION

tweets & hashtags

- **Question:** What are the general conversations that people are having in regards to COP26?
- **Solution:** NLP of the tweets surrounding the COP26 conference

#COP26 #ClimateChange
#TogetherForOurPlanet
#ClimateCrisis #GlasgowCop26



impact & success:

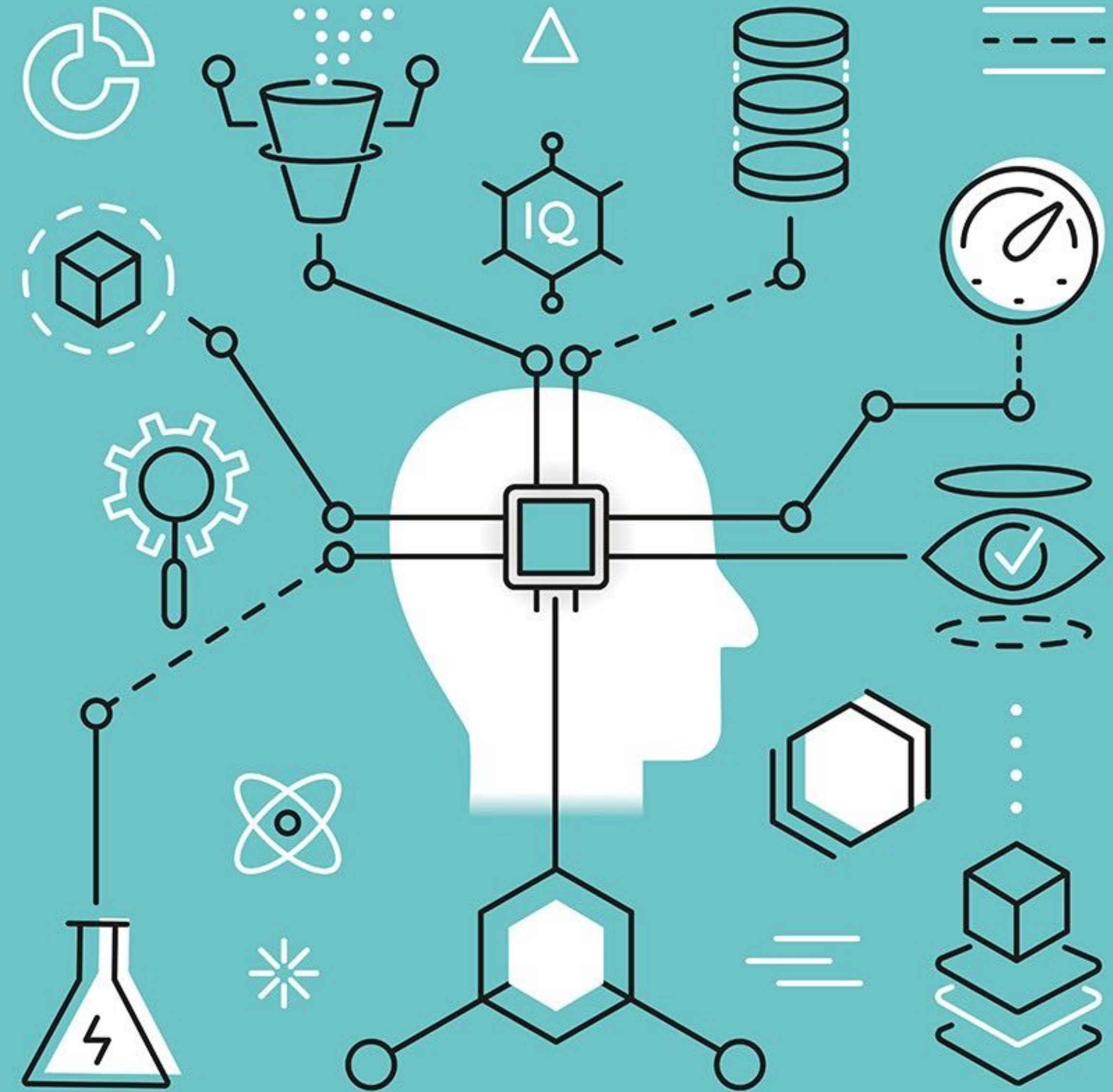
**RAISE AWARENESS FOR PARTICIPATING
GOVERNMENTS REGARDING IMPORTANT
TOPICS DISCUSSED BY PEOPLE AROUND THE
WORLD.**



DATA & PRE-PROCESSING & EDA

libraries & tools

- DATA
 - 10,000 **tweets** (2,000/hashtag)
 - October 25 -November 5, 2021
 - Snsrape , OS
- Pre-processing
 - Regex, Numpy, pandas, langdetect
 - Scikit - learn (TfidfVectorizer, ENGLISH_STOP_WORD, NMF)
 - Nltk (Stopwords, Snowballstemmer)
- Exploratory Data Analysis
 - Word Cloud, Seaborn, Matplotlib



METHODOLOGIES

nMF & Matrices

- NMF (15 COMPONENTS)
- TWEET TOPIC MATRIX (5954 X 15)
- WORD TOPIC MATRIX (7811 X 15)
- "Join", " event", "discuss", "live",...

[wsfaM5JuoMINv24:](#)

Anyone who hasn't heard about this great event,
Join us and lets discuss it together.

This already concerns all of us.

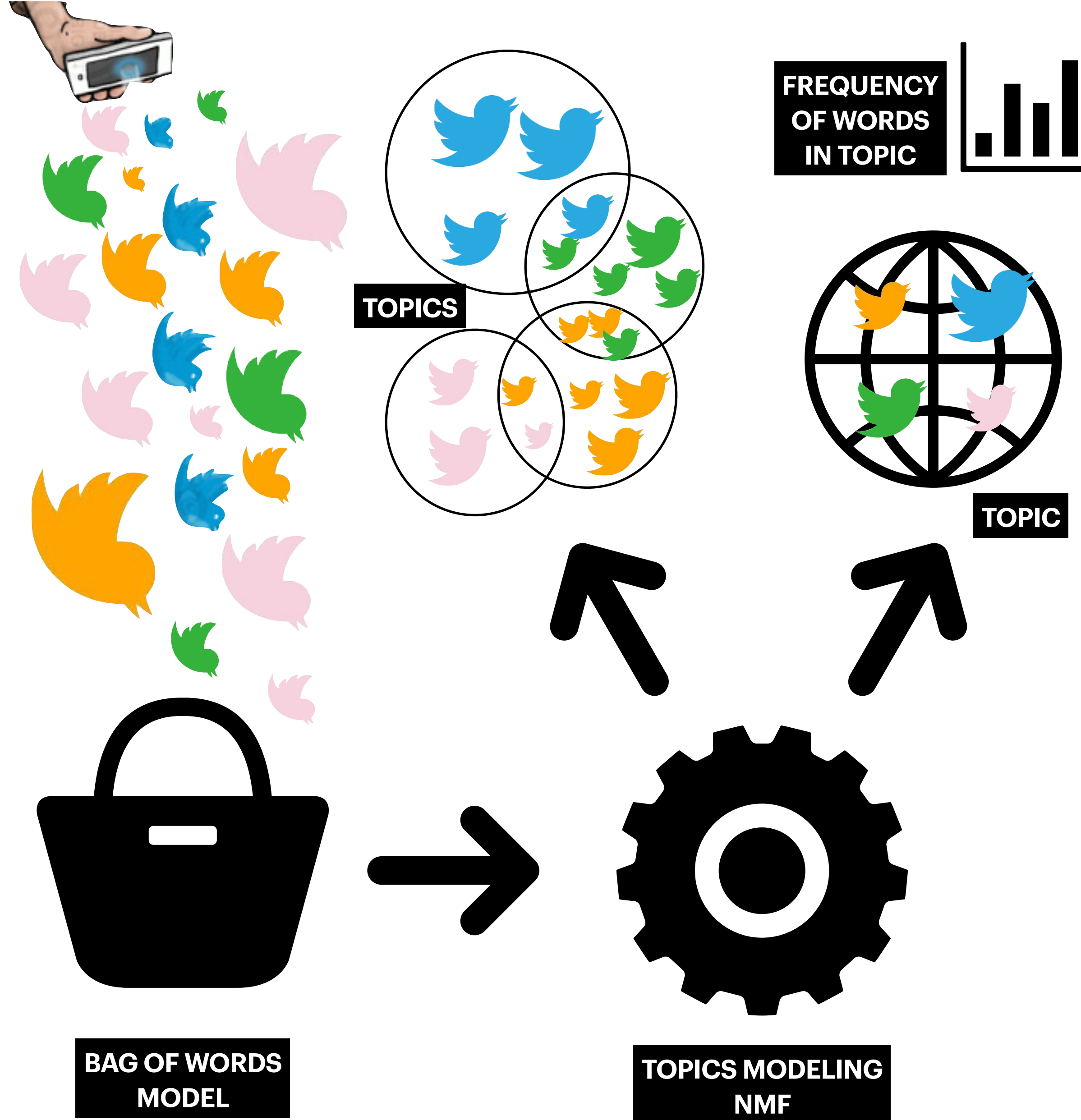
[#CreativeSociety#GlobalCrisis#Time4Truth](#)

[#ClimateCrisis#ClimateChange](#)

[#ClimateAction#Climate#environment#ecology](#)

[#ClimateEmergency#extinction](#)

<https://t.co/xweShjEPxB>



RESULTS

topics & topic terms

- TOPIC 1

Climate change is impacting our health. Between 2030 and 2050, an additional 250,000 people are expected to die each year because of climate change.

Why our #CLIMATE targets keep changing, and how that helps fight climate change even if we miss them <https://t.co/XorUcaGck2> #GlobalWarming #climatechange

26th UN Climate Change Conference of the Parties (COP26) in Glasgow.

UNITING THE WORLD TO TACKLE CLIMATE CHANGE.

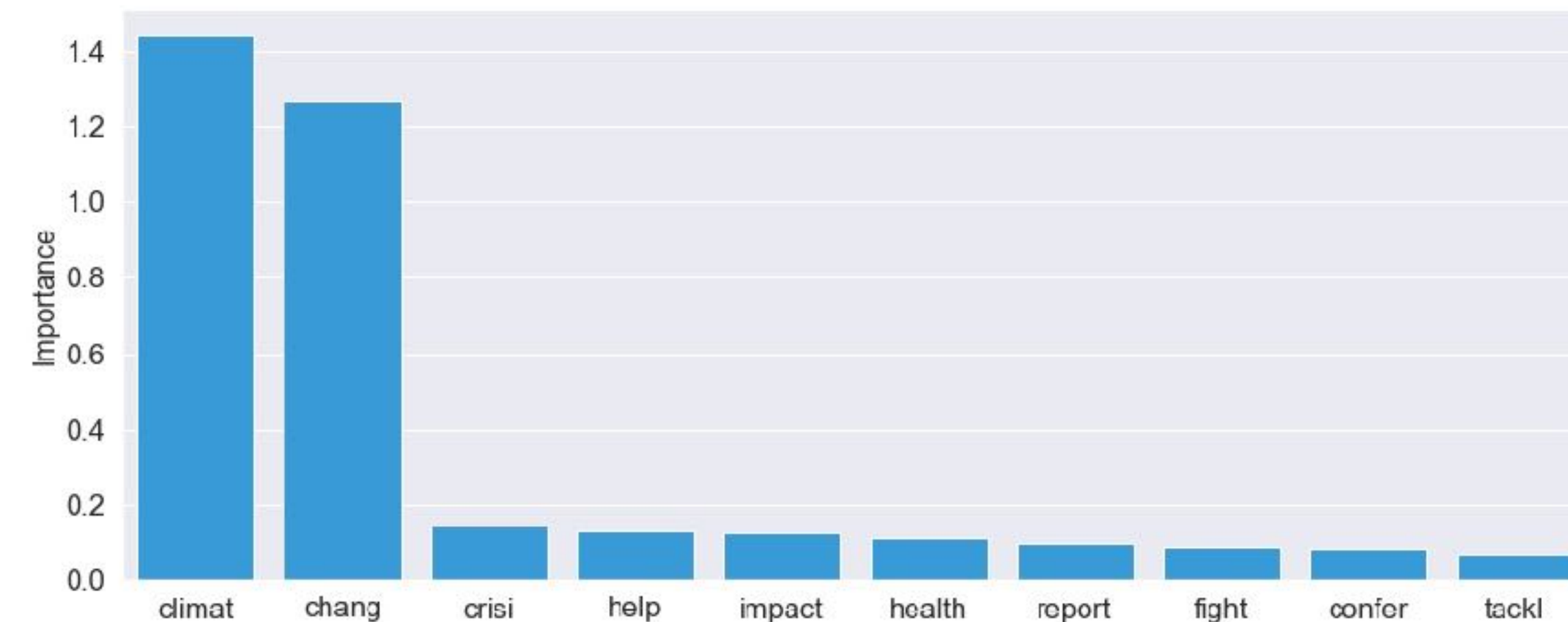
#COP26 #ClimateChange #UnitedNations #GlasgowCop26

<https://t.co/Lkxnj1pR5N>

Here are 8 climate change facts that may surprise you, and how we can combat climate change:

<https://t.co/xNjTkUIIFf>

Climate Change



RESULTS

topics & topic terms

• TOPIC 2

● At least 23 countries have today made new commitments to phase out Coal power

🌐 Burning coal is the single biggest cause of #ClimateChange

It is meaningless because India & China are not included.
Some of those committed have already phased out coal!
Some of those who committed used next to nothing!

#Coal #COP26 #India

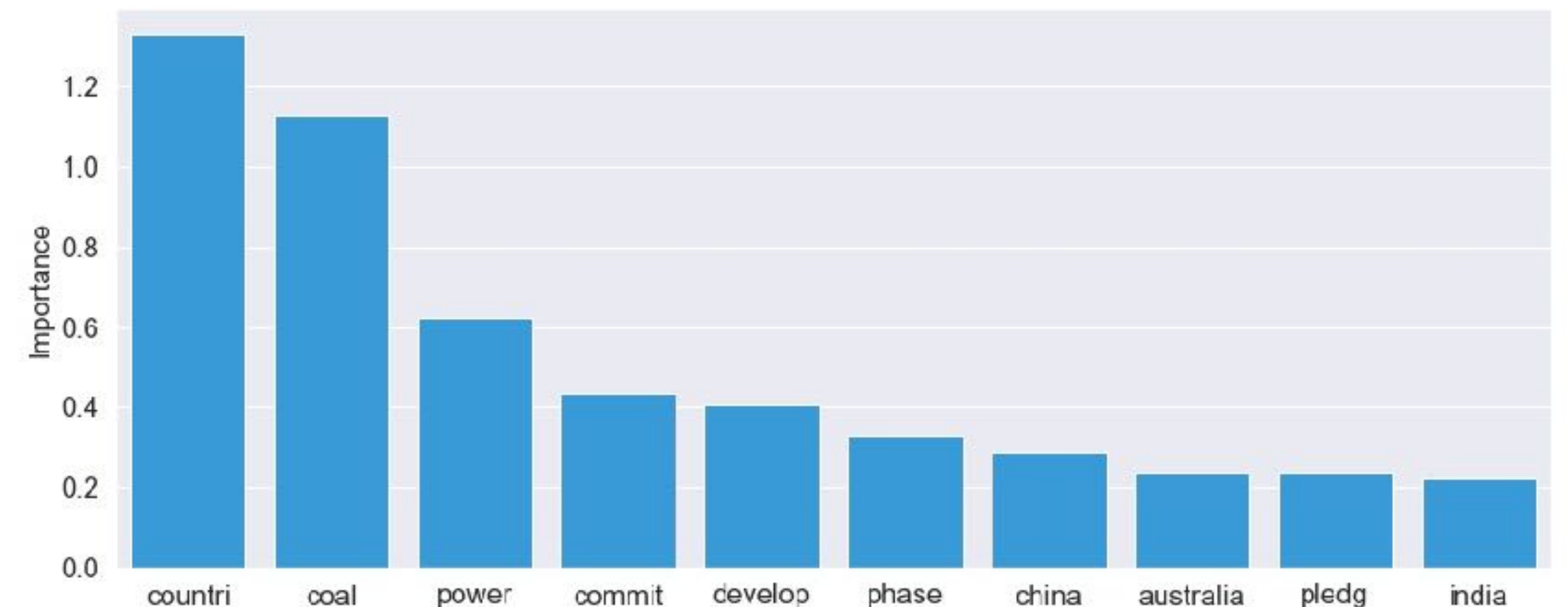
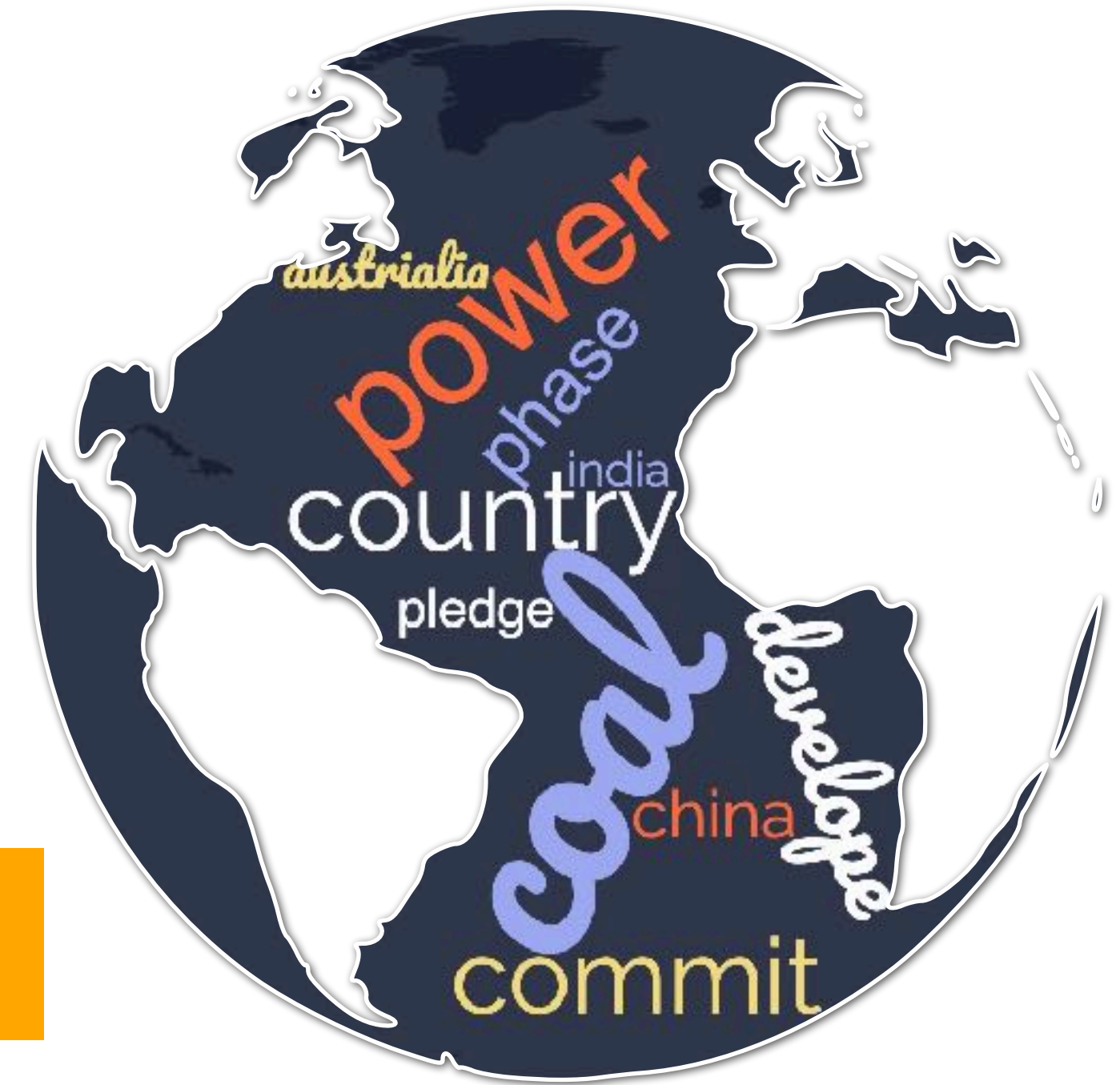
Over 40 Countries Pledge at U.N.

Climate Summit to End Use of Coal Power <https://t.co/v8RaGapSkY>

● These countries include five of the world's top 20 Coal power-using countries

More than 40 countries, at the United Nations Climate Change Conference (COP26), commit to end their use of coal, but some of the biggest users of coal like the US, China, and India did not sign the coal pledge.

Burning Coal & Countries signing the coal pledge



RESULTS

topics & topic terms

• TOPIC 3:



The cost to reduce global warming?
\$131 trillion is one answer
<https://t.co/le3aW0fQE3> via @WSJ



How can forests combat global
[#climatechange](#) with
[#naturebasedsolutions](#)



#COP26 has actually made me cheer for global
warming. These 'activists' comparing themselves
to the suffragettes are, at best, dangerously delusional.
The sooner global warming ends them the better.

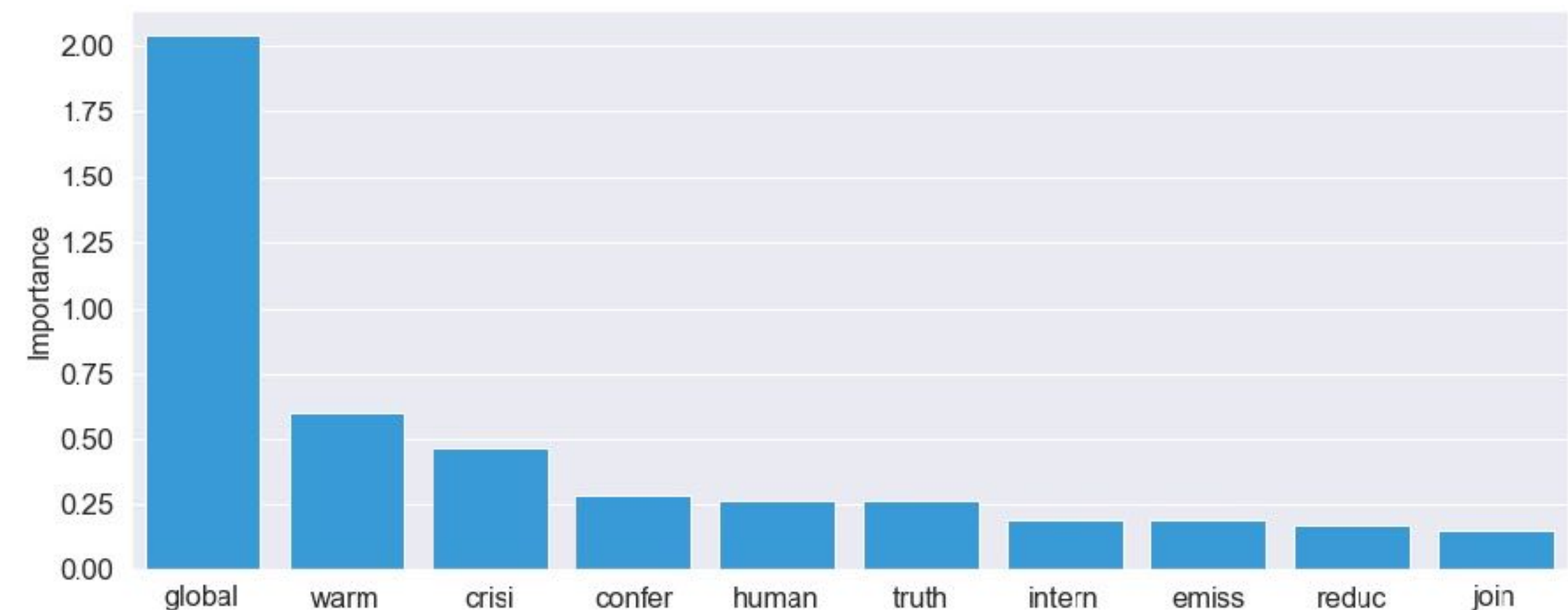


It's time for mankind to wake up! Watch the international global
conference
"Global Crisis. Time for Truth" on December 4, 2021
[#CreativeSociety](#)
[#GlobalCrisis#Time4Truth#ClimateCrisis#Climate#ClimateEmerg](#)
[ency](#)
[#extinction](#) [#ToSavePlanete](#) <https://t.co/s61wJ3IYkh>



@RollingStone We must understand that our world is
collapsing, only by joining together can we solve the
climate problem. Join us for a global event "Global
Crisis. Time for the truth"@_GlobalCrisis_
[#climatecrisis](#) [#climatechange](#) [#unity](#)
[#time4truth](#)

The crisis of global warming



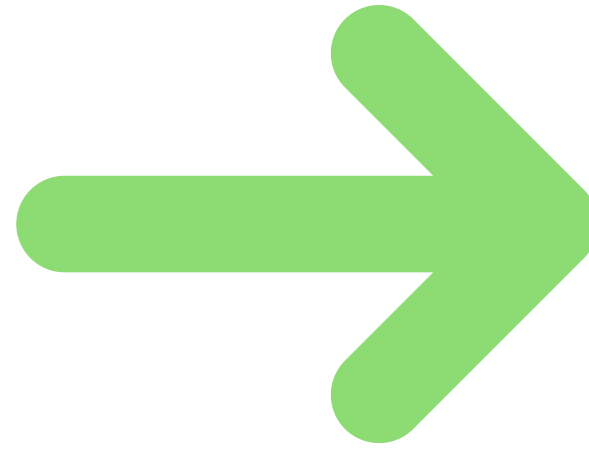
final intakes:



1. NLP model correctly distinguished 3 of the main topics of the COP26 conference.
2. People around the world are closely following the decisions that are daily made in the conference
3. People demand immediate action and truth towards global warming
4. It's a global request for countries to come together and act as one in this decade



future work



1. Used Meta data in order to practice more EDA.
 - Topic words X Users
2. Scrape the latest tweets in order to grasp the feeling of publics satisfaction towards the ending of the summit.



“

The people who have done the least to cause the climate crisis are suffering the most.
That is a searing injustice

Alok Sharma, COP26 President



**UN CLIMATE
CHANGE
CONFERENCE
UK 2021**

IN PARTNERSHIP WITH ITALY

