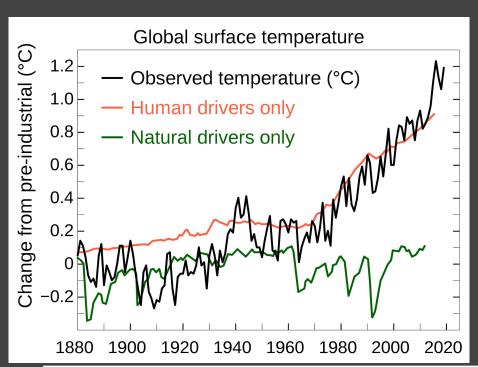
Do our climate policies secure a place within the society?



Source: NASA report (2020)

Audience: Local UN ambassadors

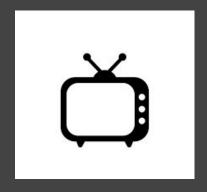
Motivation:

We spend enormous budgets on climate policies



Sources for assessing social awareness

TV, radio, newspaper, social media, web-based posts...









We compared: 🕳

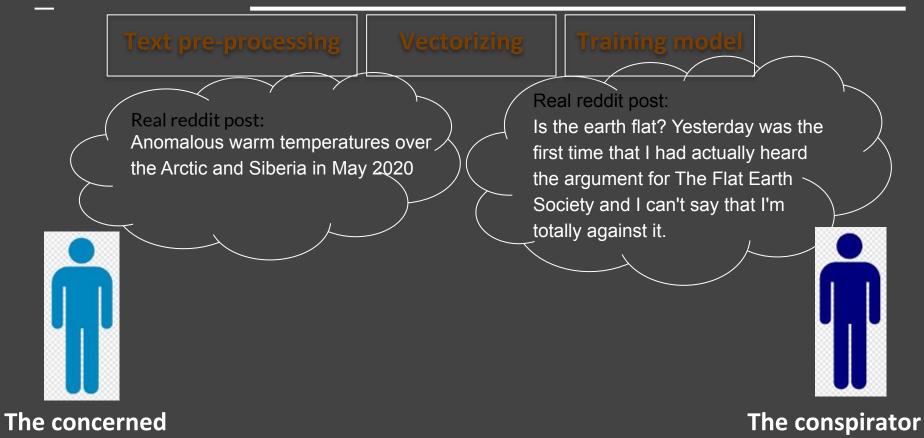
[Globalwarming]_{6,000} subscribers VS.

[Conspiracytheory] 4,000 subscribers

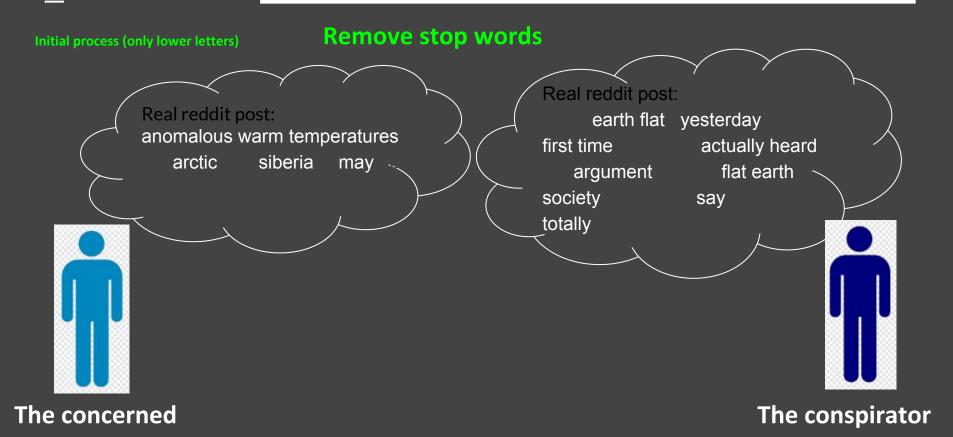
Natural language processing (NLP)



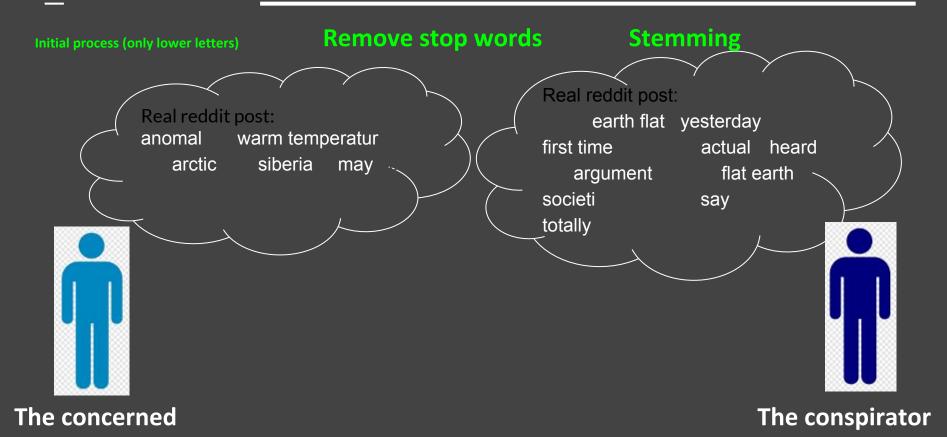
Natural language processing (NLP)



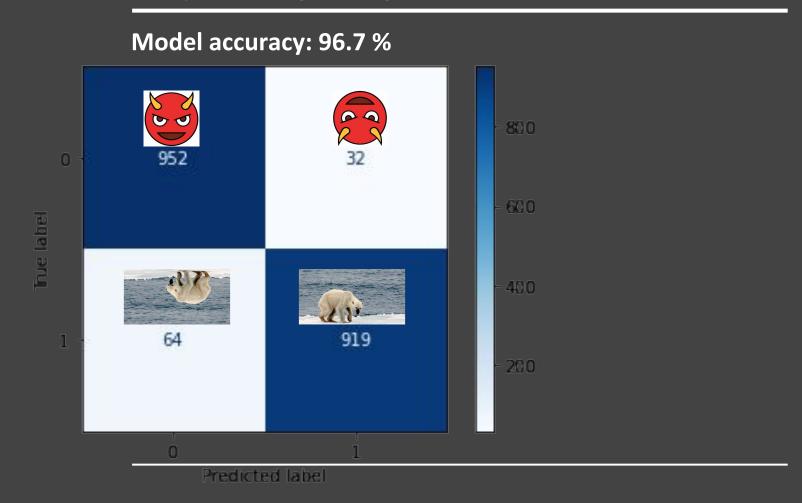
Text pre-processing



Text pre-processing

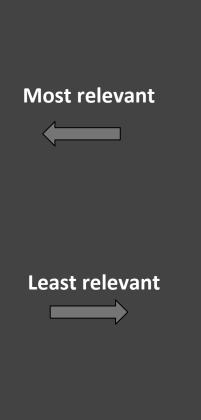


Classification model development (Logistic regression)



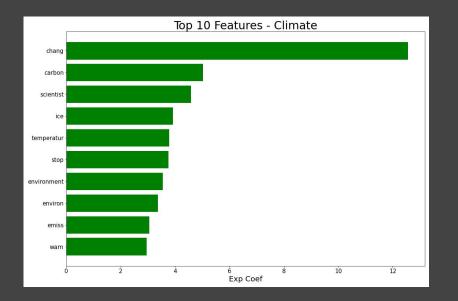
Word associations with target: global warming

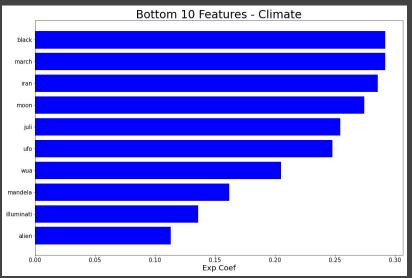
feature_names	LR_coefficients
chang	2.701103
carbon	2.277294
scientist	2.004883
emiss	1.964167
environment	1.907267
temperatur	1.851639
futur	1.590890
ice	1.564098
hottest	1.491541
environ	1.482627



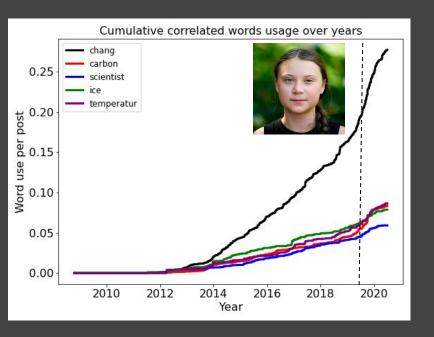
feature_names	LR_coefficients
epstein	-1.839416
control	-1.848390
dead	-1.859572
iran	-2.003617
ufo	-2.045038
moon	-2.058871
illuminati	-2.123301
assassin	-2.135199
mandela	-2.440148
alien	-2.650792

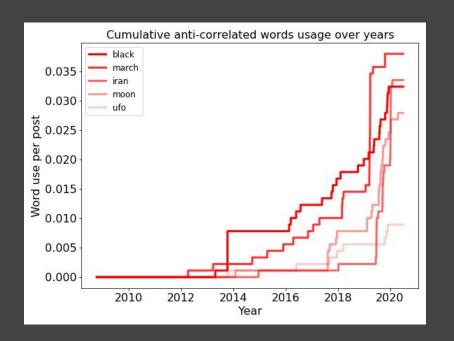
Most relevant features:





Trends in society over the past years





Next phase of the project: production-ready We tested the model on a new test dataset: climate change. **Global warming Climate change** Accuracy score: 0.91

We filtered the new data set, and here is what we got:

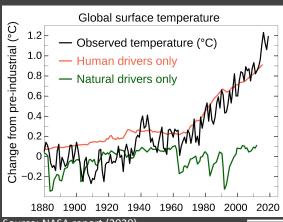
Next phase of the proje	ct: production-ready
Filtered as global warmi 'Sea ice in the Weddell S	ng target: ea has decreased by one million sq kilometers in five years'

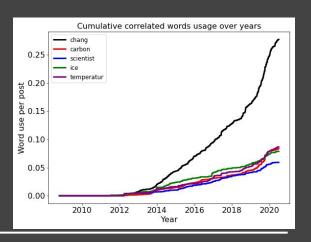
Filtered as non-global warming target:

'Hi. I would like to know what lessons we can we take from the COVID-19 pandemic and apply to our climate actions. Specifically businesses and governments. Thanks in advance.'

Recommendations:

- The society seem to have been more aware towards global warming since 2018.
- However, we need to beware of the media that feeds conspiracy to people, as it also raised.
- The current model seems to be able to be taken to be production-ready





Source: NASA report (2020)