

Team TS4

THATO BOGOPANE

NTOKOZO THUMRE

RACHEL MAGOPA

PHUTI MAROKHU

JOHN MOHALE

KAGO LENTLOPANE

SUPERVISOR: TREVOR SENYANE

The future of climate change sentiments at your finger tips.

OUTLINE

Problem statement

The climate change problem

Our solution

Tweet Analysis

PROBLEM STATEMENT

1. Creating a Machine Learning model that is able to classify whether or not a person believes in climate change, based on their novel tweet data.
2. Analysing tweet data to get valuable insights.

The climate change problem



The Big Data solution



Tweet Data



 **Donald J. Trump**  @realDonaldTrump · 33m ...

Some or all of the content shared in this Tweet is disputed and might be misleading about an election or other civic process. [Learn more](#) [View](#)

The Machine Learning



Our solution

Analysis of Tweet Sentiments

View the number of tweets by sentiment

Choose the Visualization type

Bar plot

Hide

Frequent Words used for each sentiment

Which sentiment would you like to view?

Pro
 Neutral
 Anti
 News

Hide

Hashtags used for each sentiment

Which sentiment would you like to view?

Pro

Sentiments

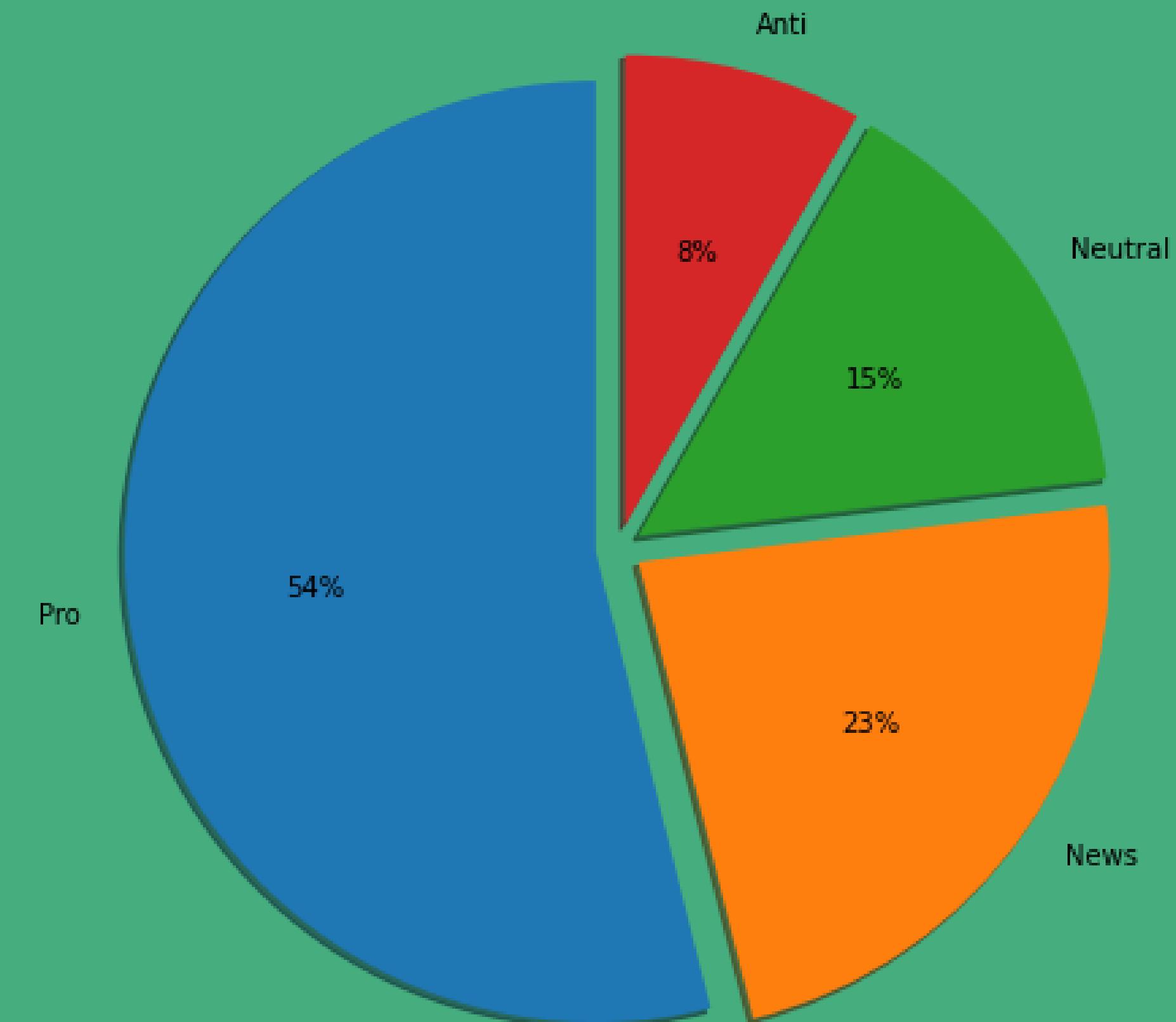
by Team TS4

Sentiment Analysis of Tweets about climate change



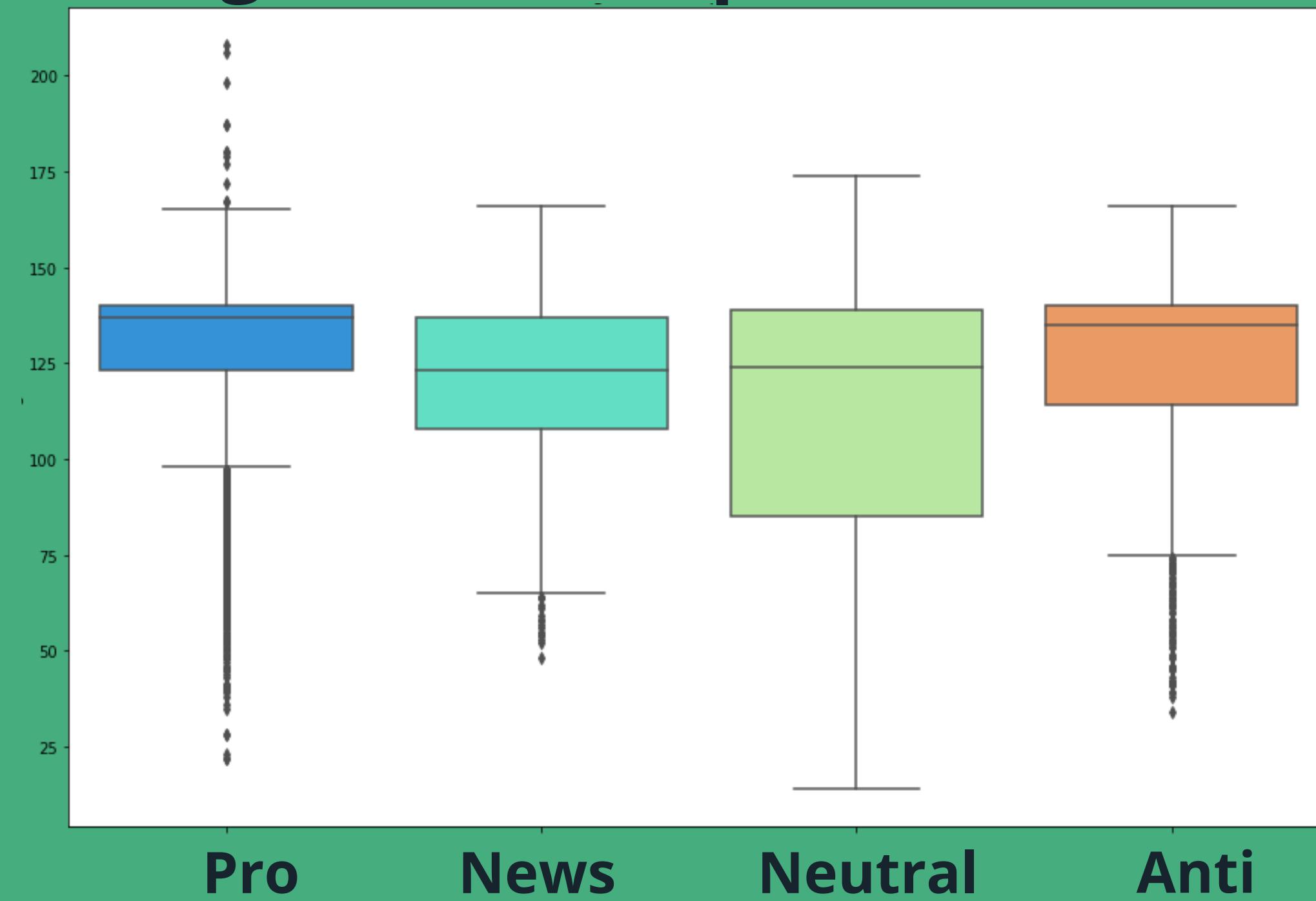
This App is a dashboard used to analyze sentiments of tweets about climate change and to make predictions of the sentiment based on a tweet.

Sentiment Distribution

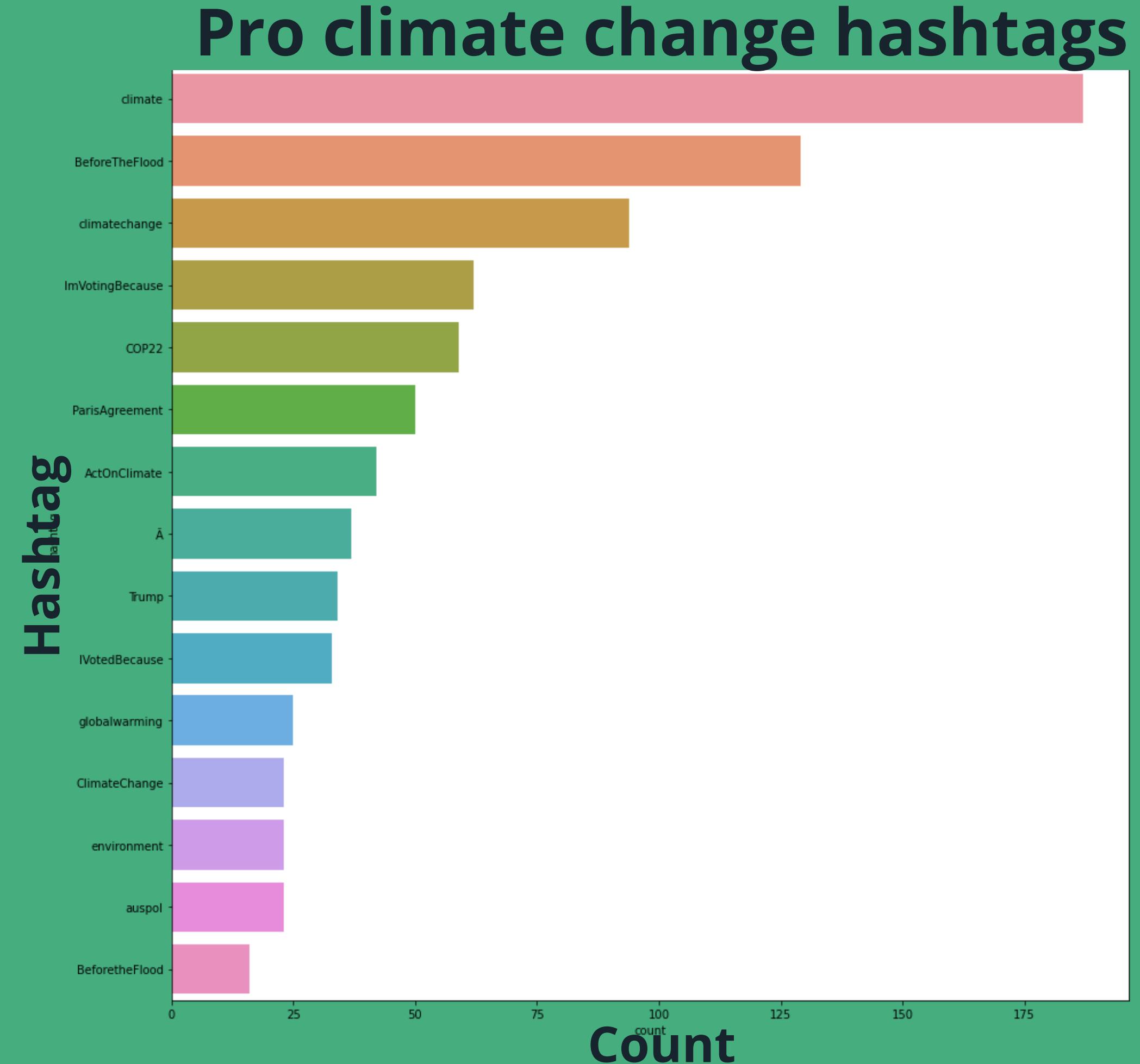


Tweet length Distribution

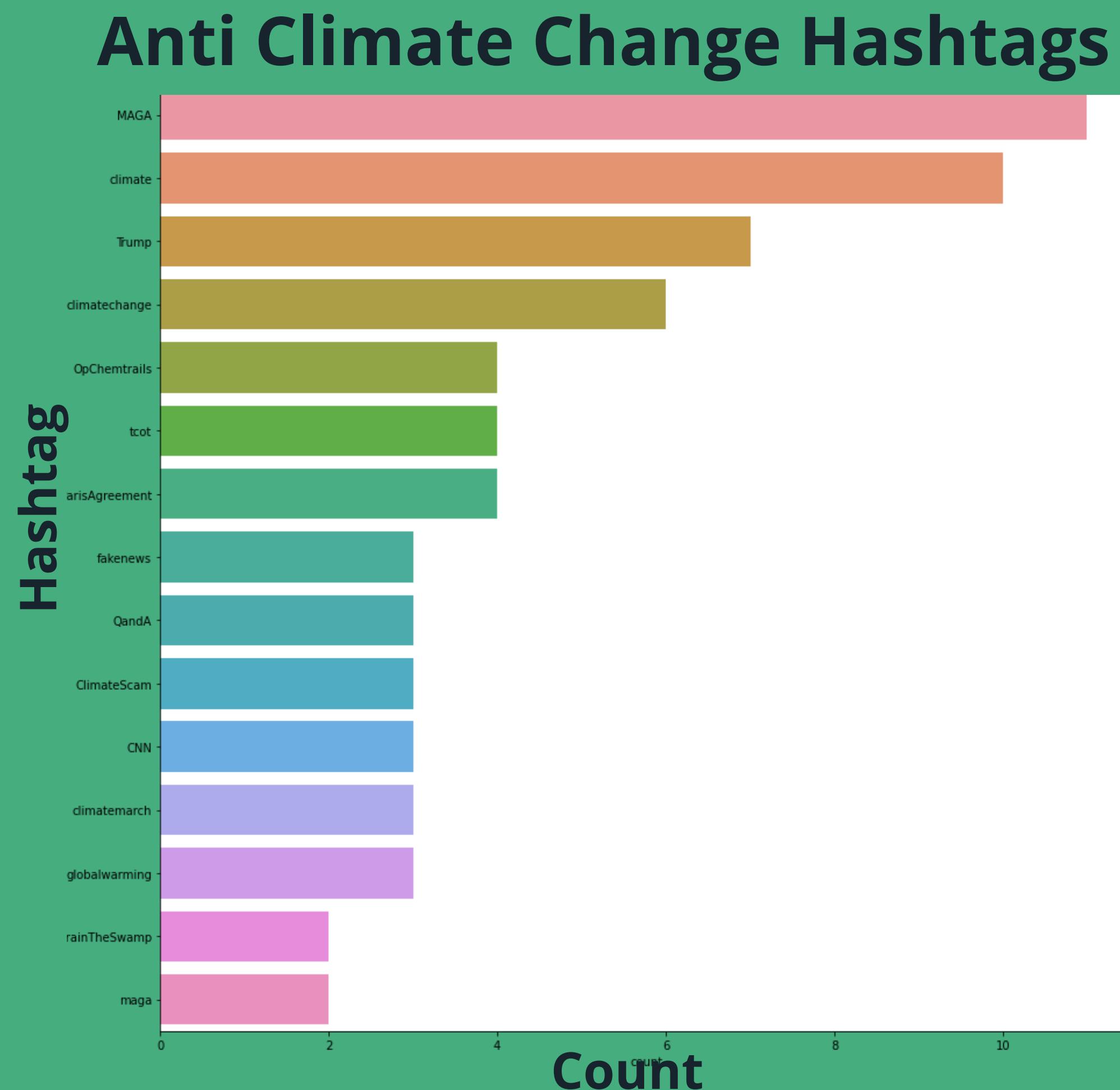
Length of tweet per sentiment



Hashtag Analysis

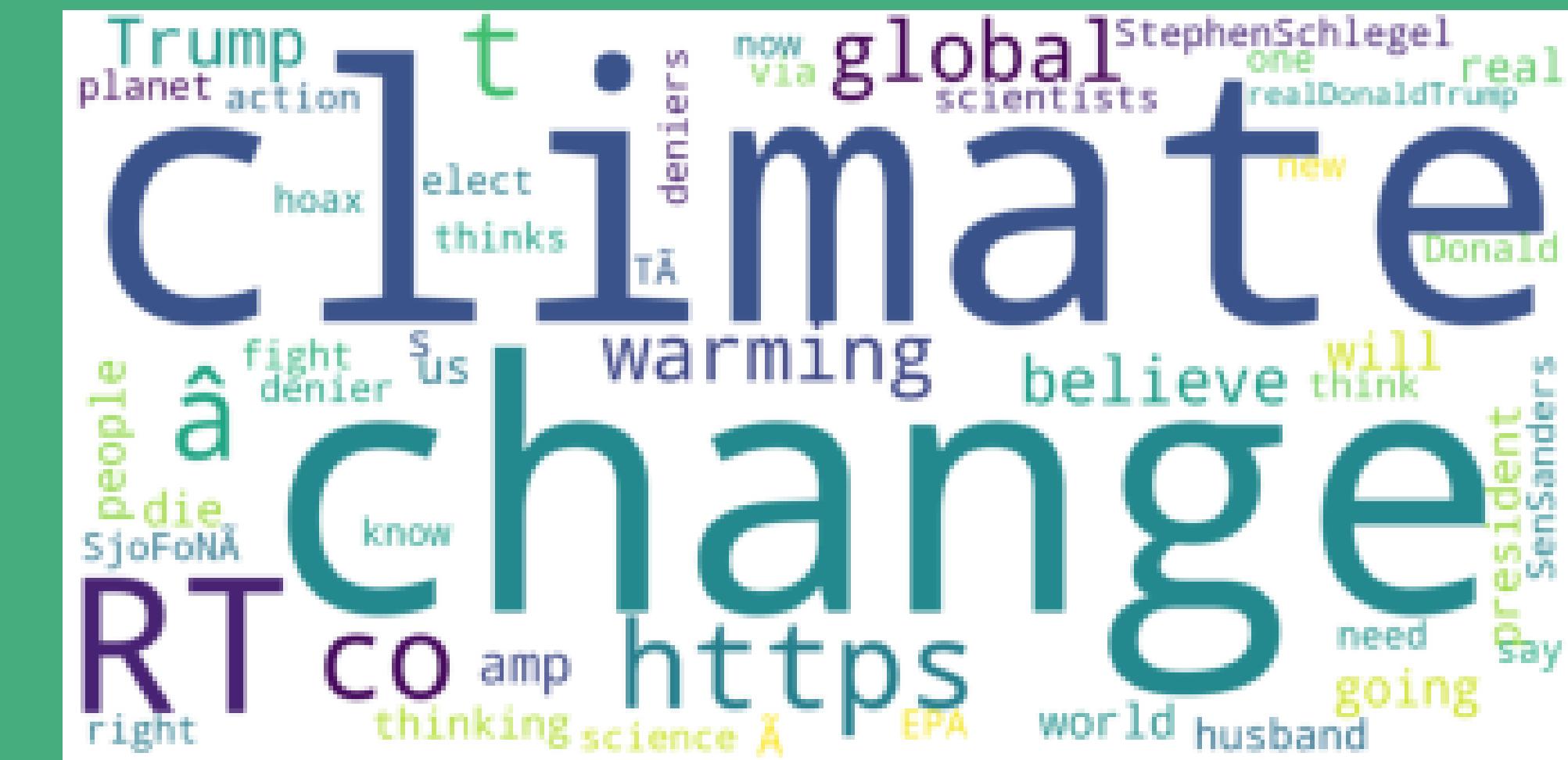


Hashtag Analysis



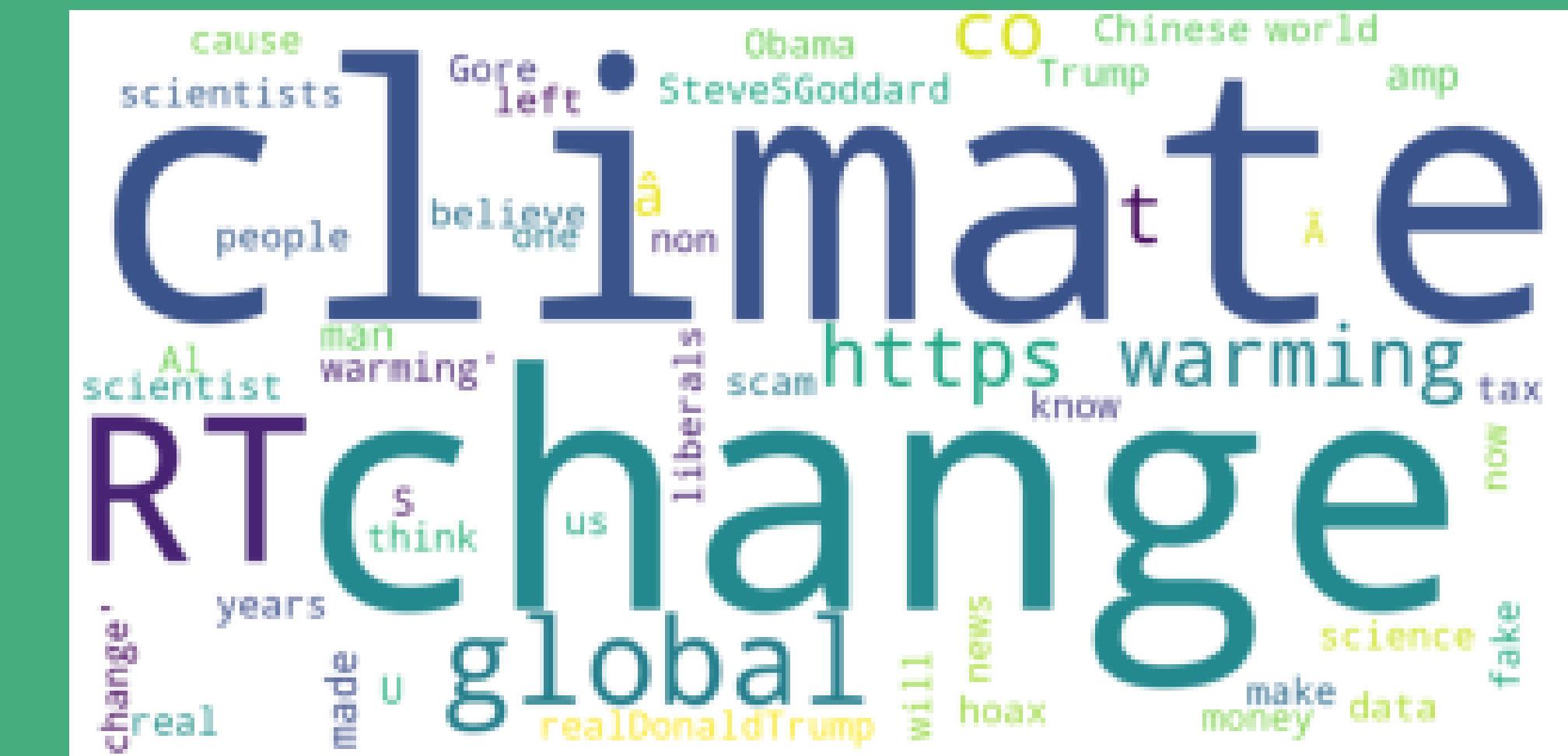
Frequent words used

Frequent words used in pro climate change tweets

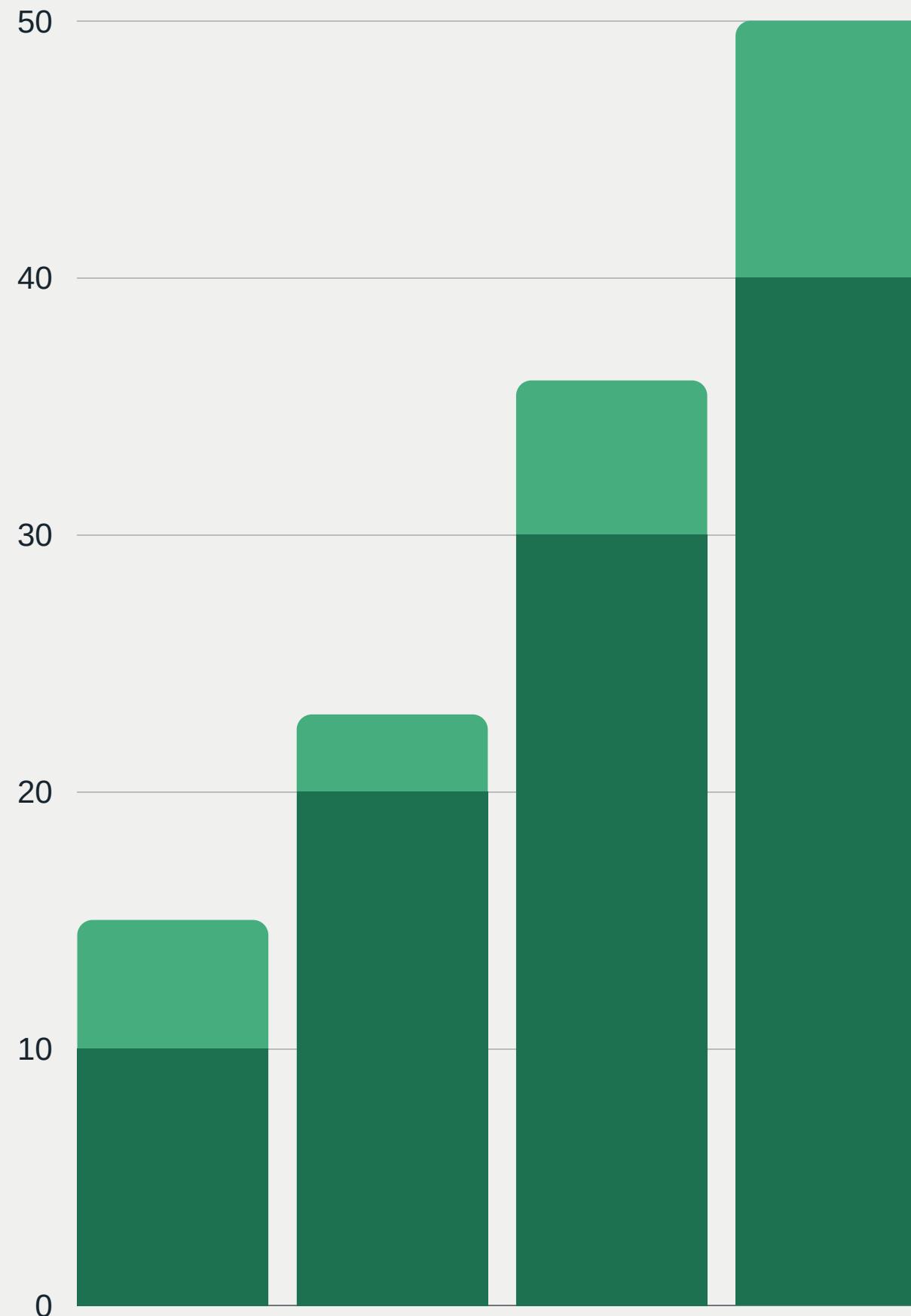


Frequent words used

Frequent words used in anti climate change tweets



How our App can increase your bottom line



CREDITS

Special thanks to Trevor, our supervisor for his guidance and support throughout this sprint.



Any Questions?

W