



# Team TS4

THATO BOGOPANE

NTOKOZO

RACHEL MAGOPA

PHUTI MAROKHU

JOHN MOHALE

KAGO

SUPERVISOR: TREVOR SENYANE

The future of climate change sentiments at your finger tips.

# OUTLINE

**Problem statement**

**Introduction**

**Our solution**

# PROBLEM STATEMENT

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.

# 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](#)

# 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

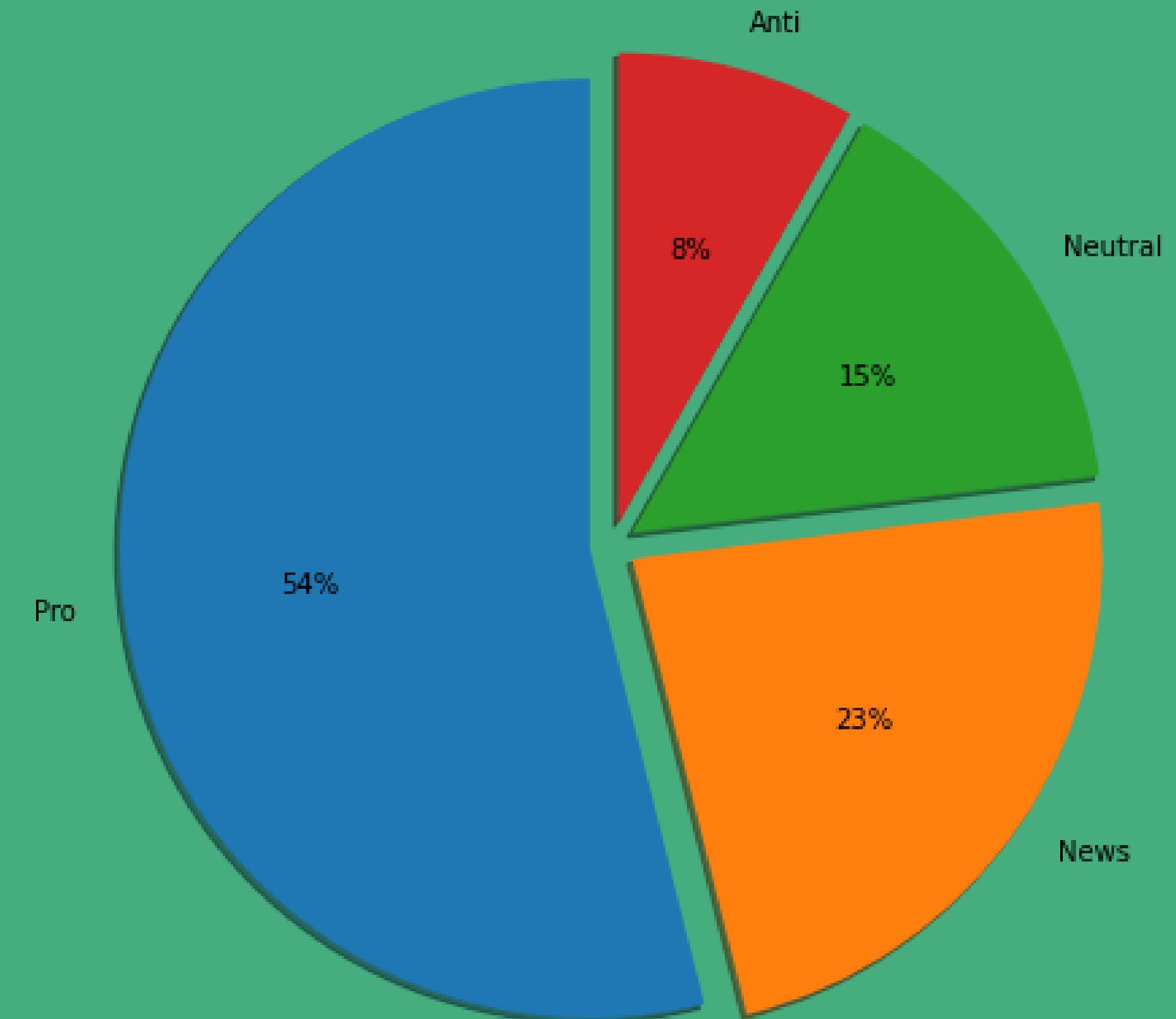
by Team TS4

Sentiment Analysis of Tweets about climate change



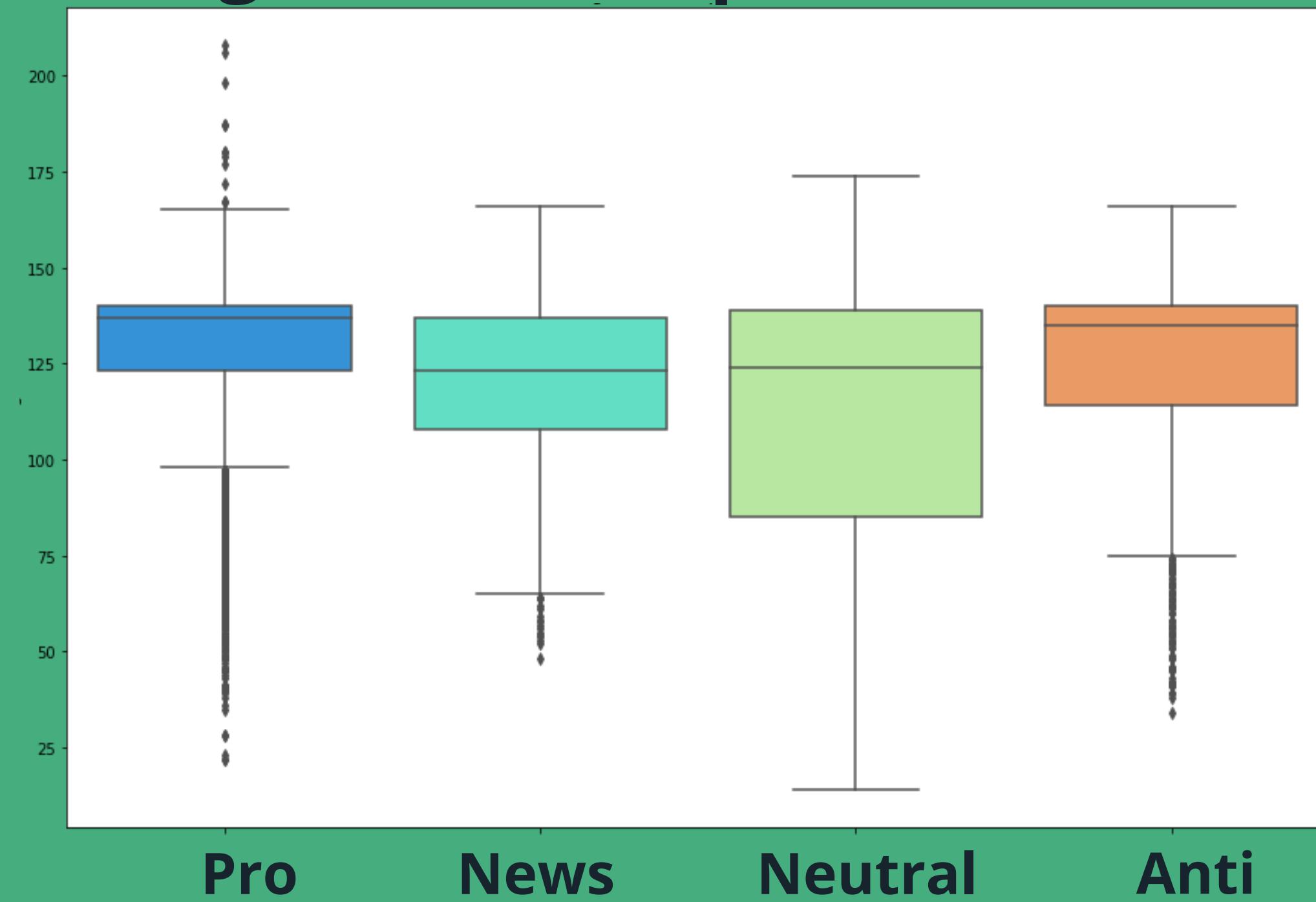
This App is a dashboard used to analyze sentiments of tweets about climate change and to make predictions of the sentiment based on a tweet.

# Sentiment Distribution

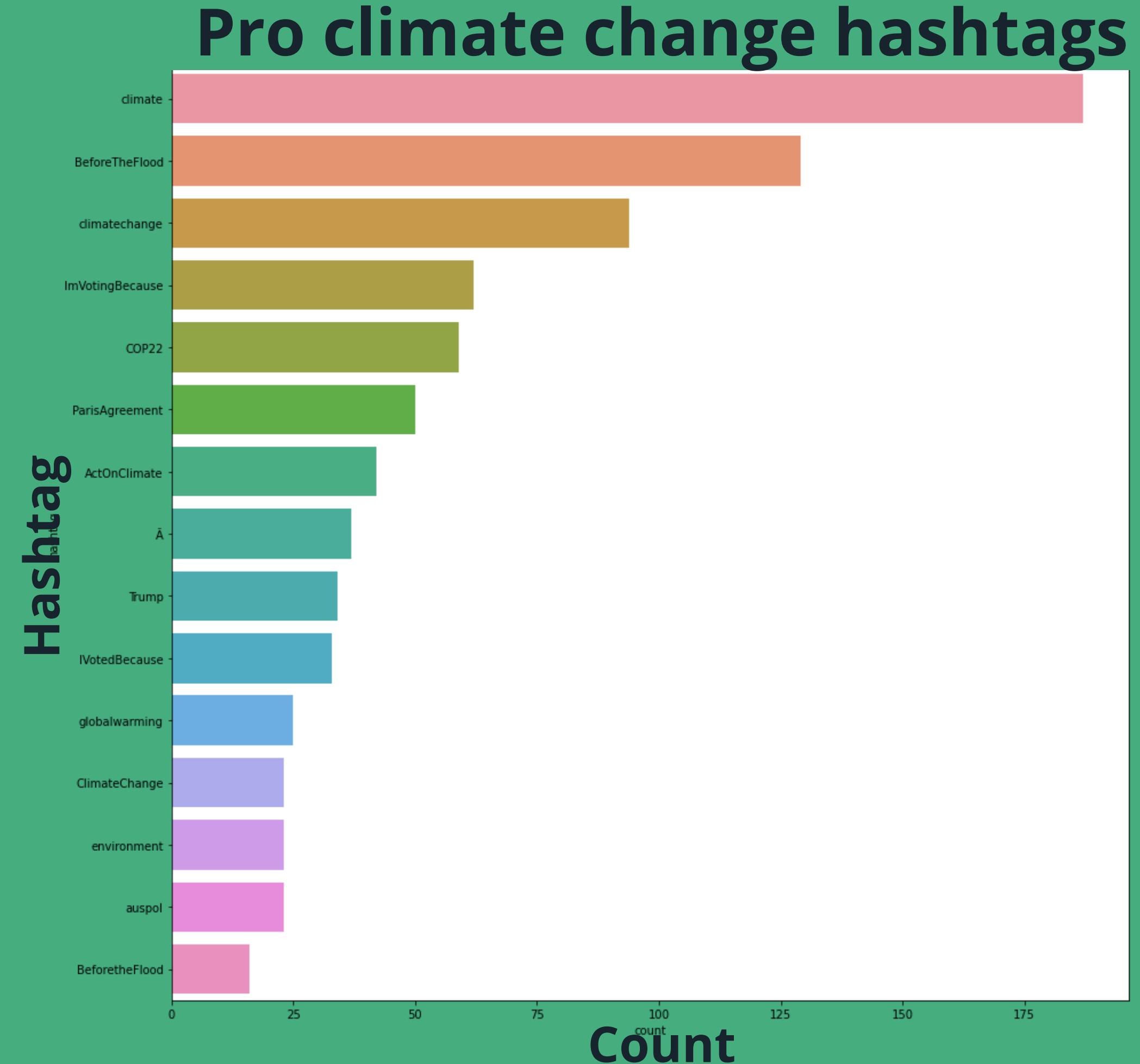


# Tweet length Distribution

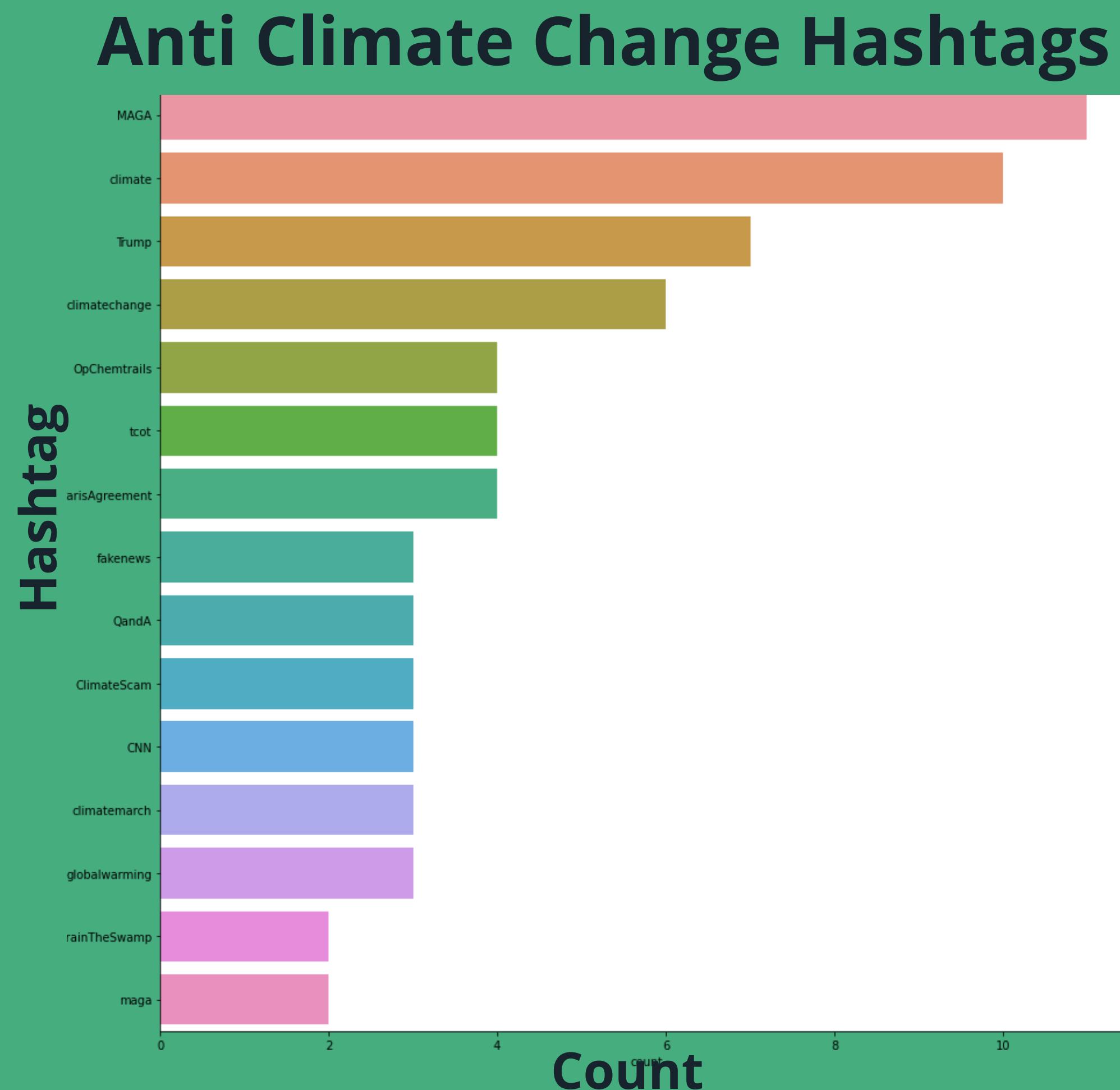
Length of tweet per sentiment



# Hashtag Analysis

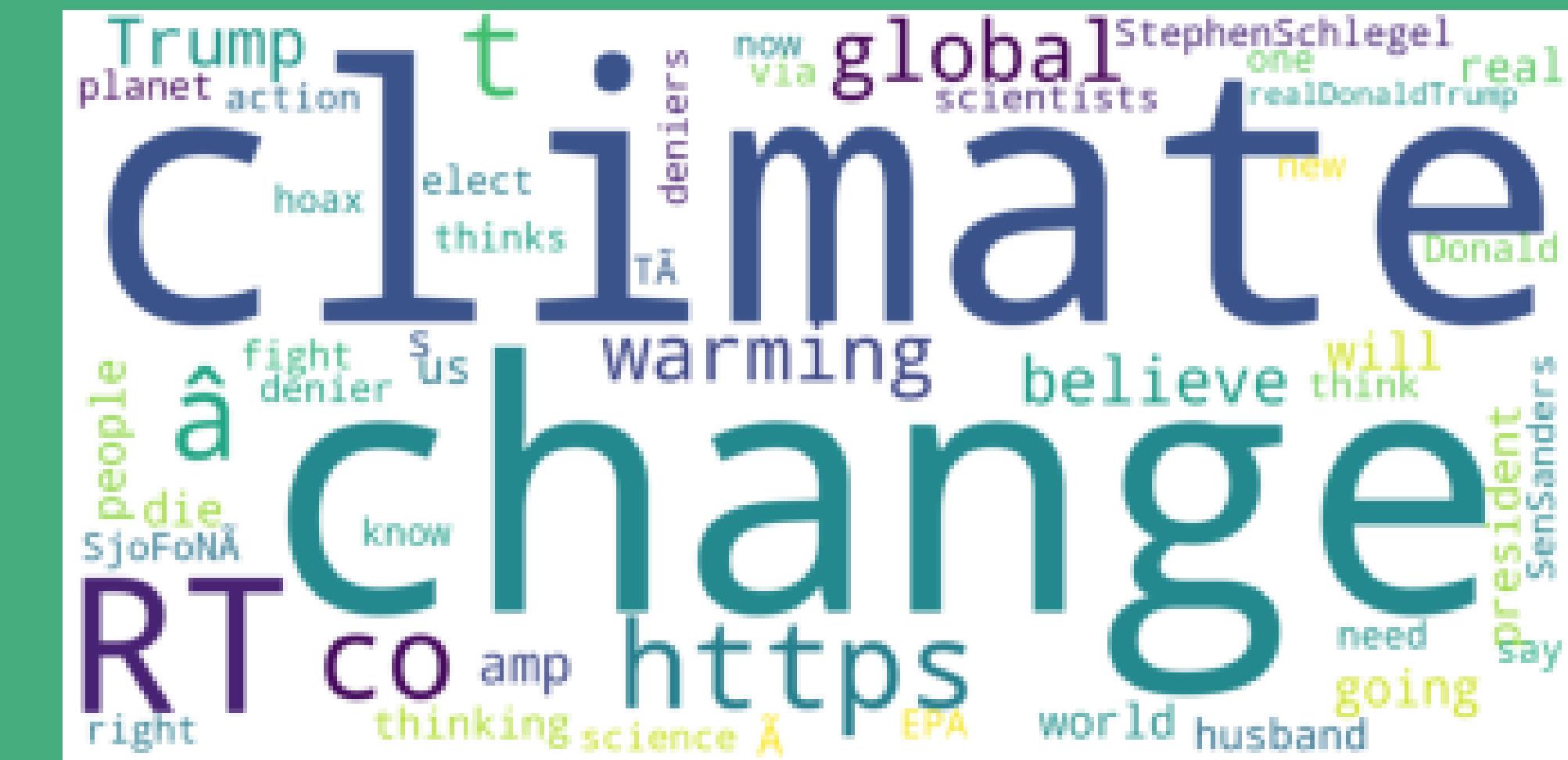


# Hashtag Analysis



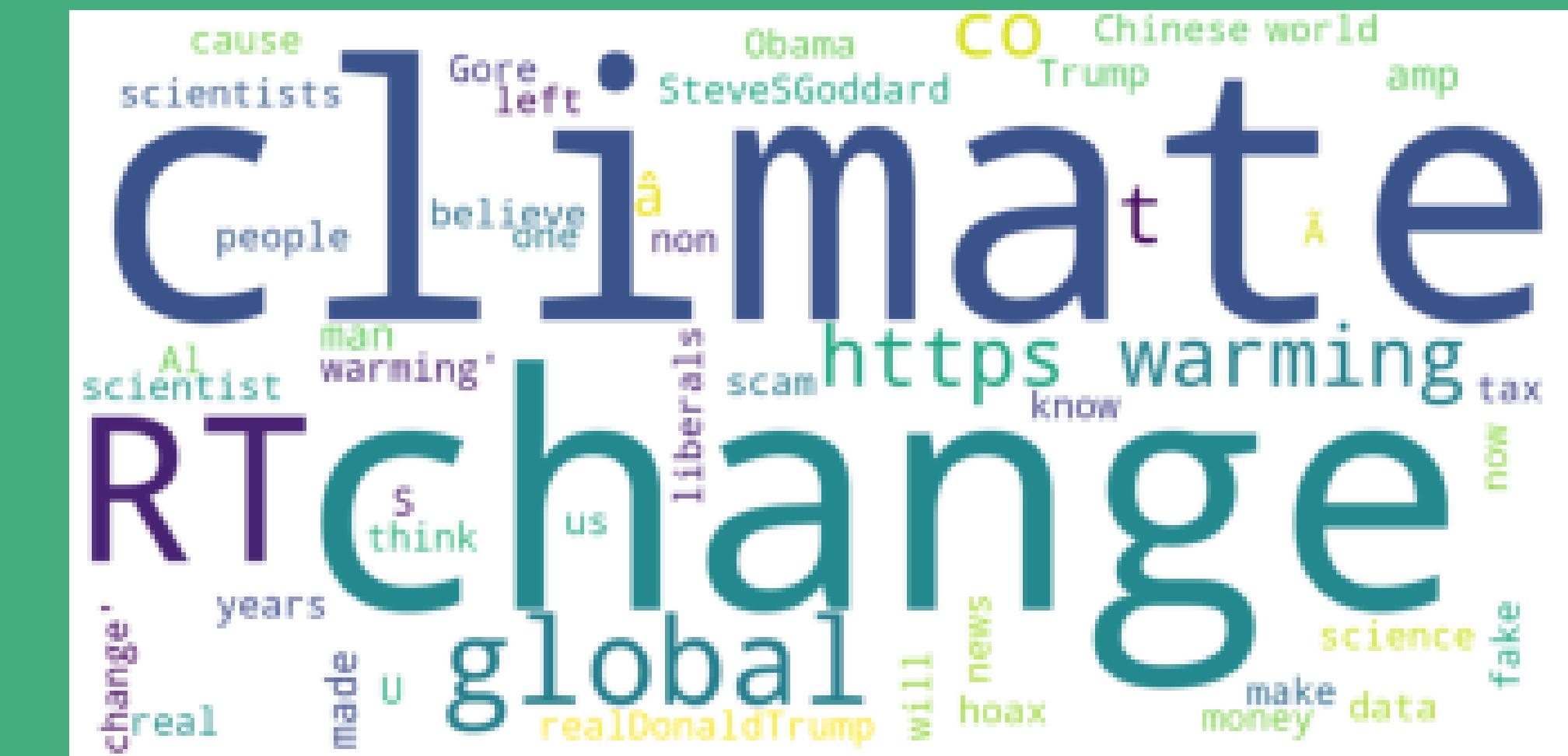
# Frequent words used

# Frequent words used in pro climate change tweets

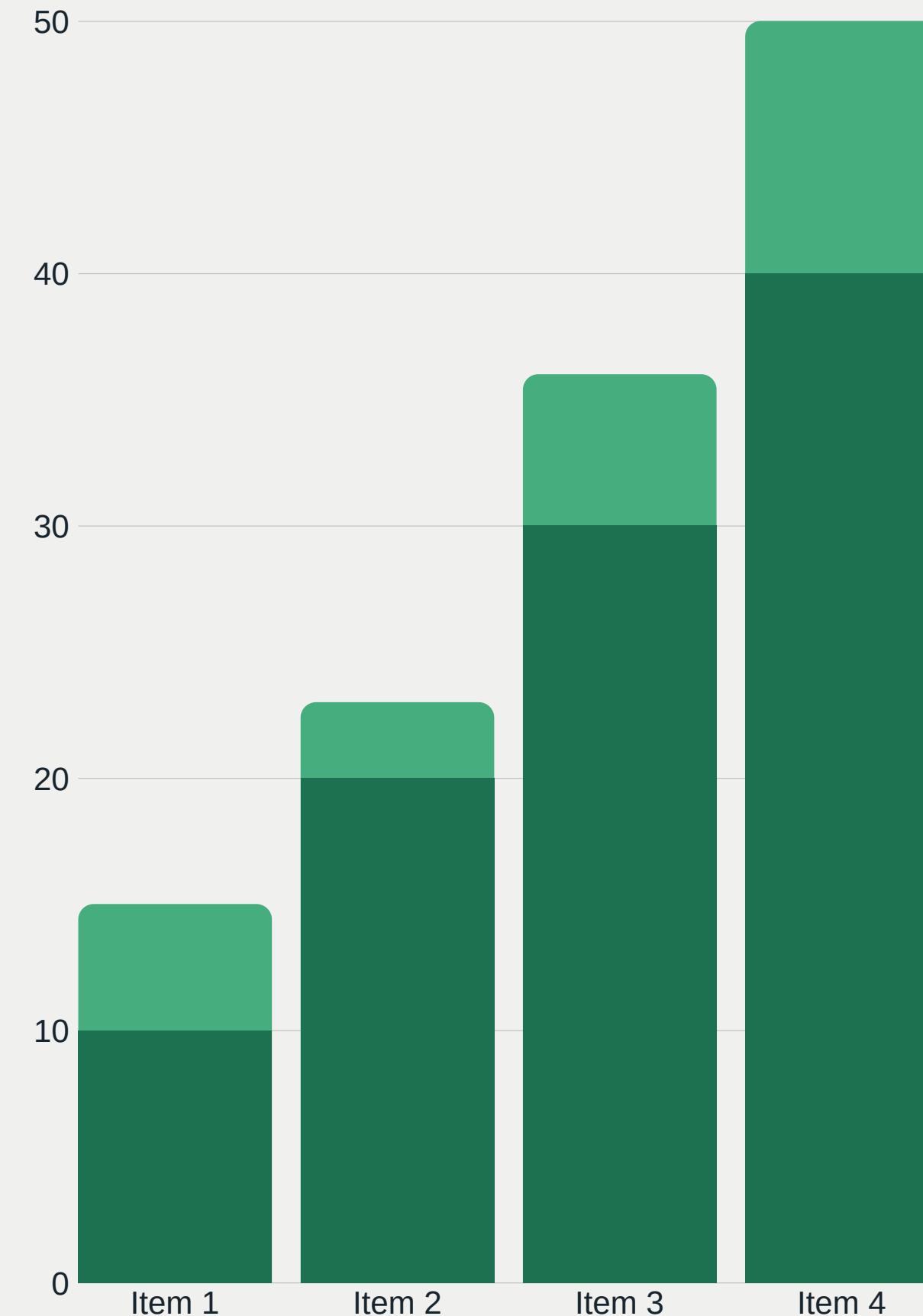


# Frequent words used

# 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?

