



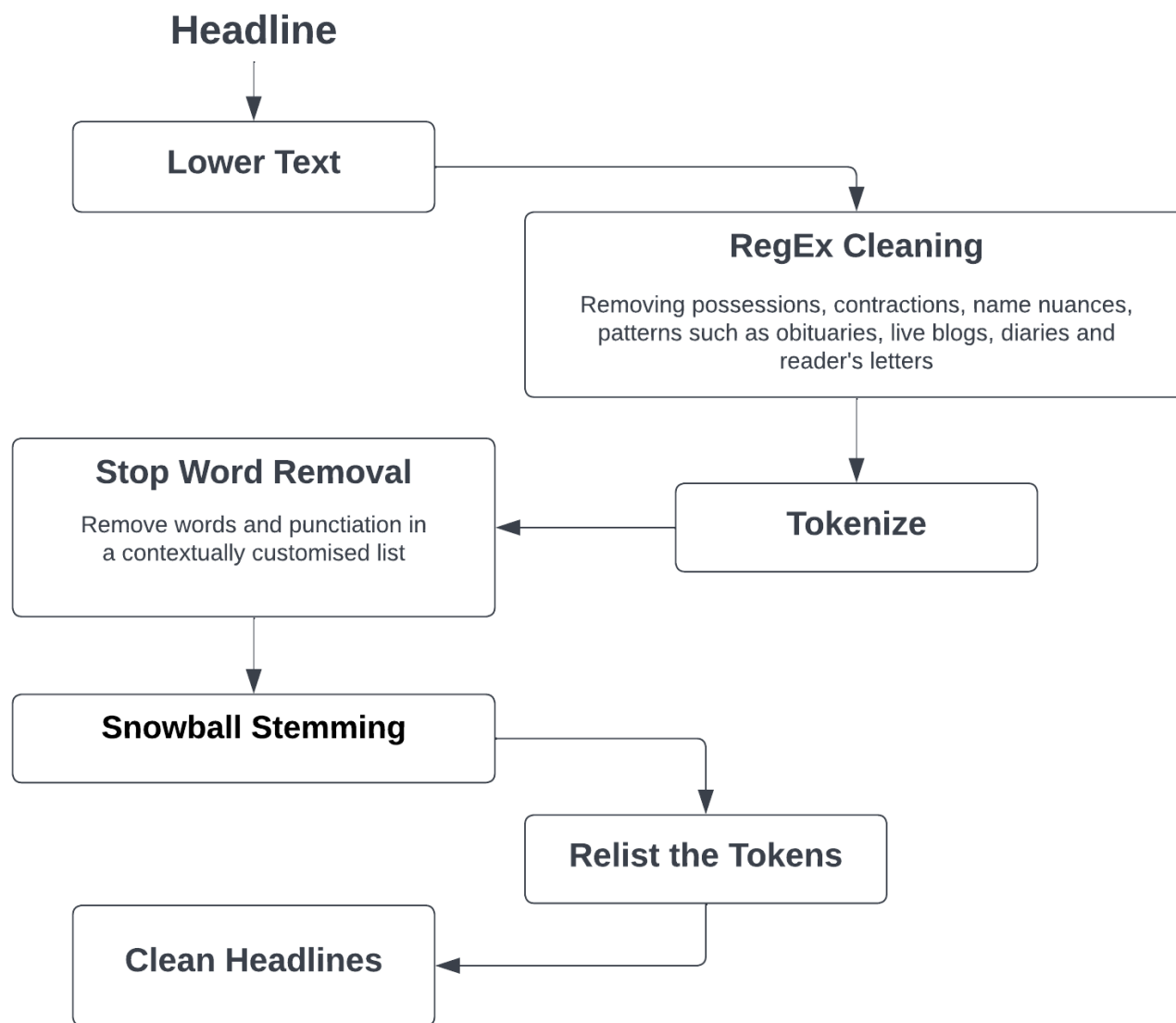
The Guardian

Breaking News/ A project exploring the UK political landscape through NLP Methods



Frame the problem/ Too Much News

Cleaning the data/



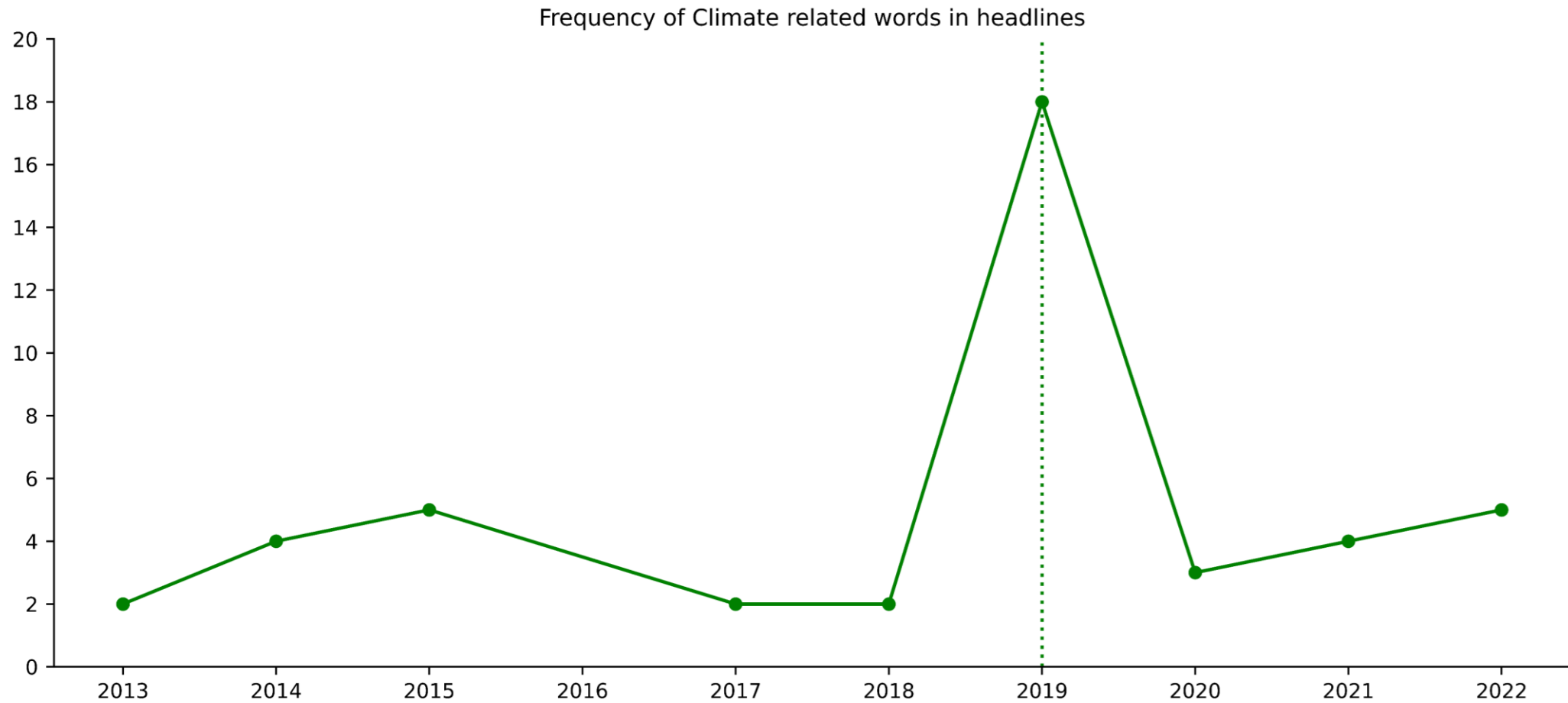
Original Headline

Tories and Labour warned over
ambitious spending promises

Cleaned Headline

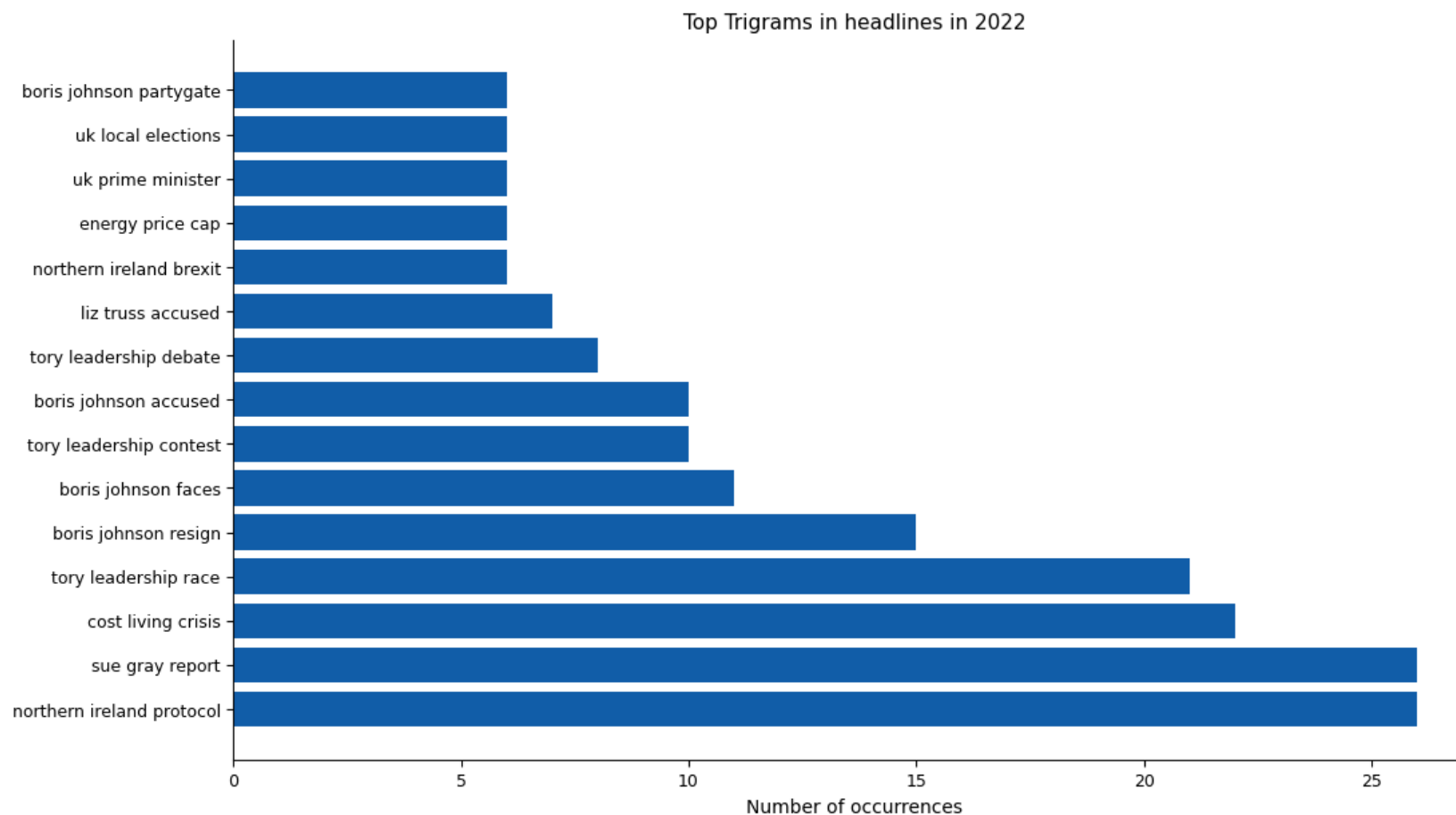
tori labour warned ambitious
spend promi

Exploratory Data Analysis/

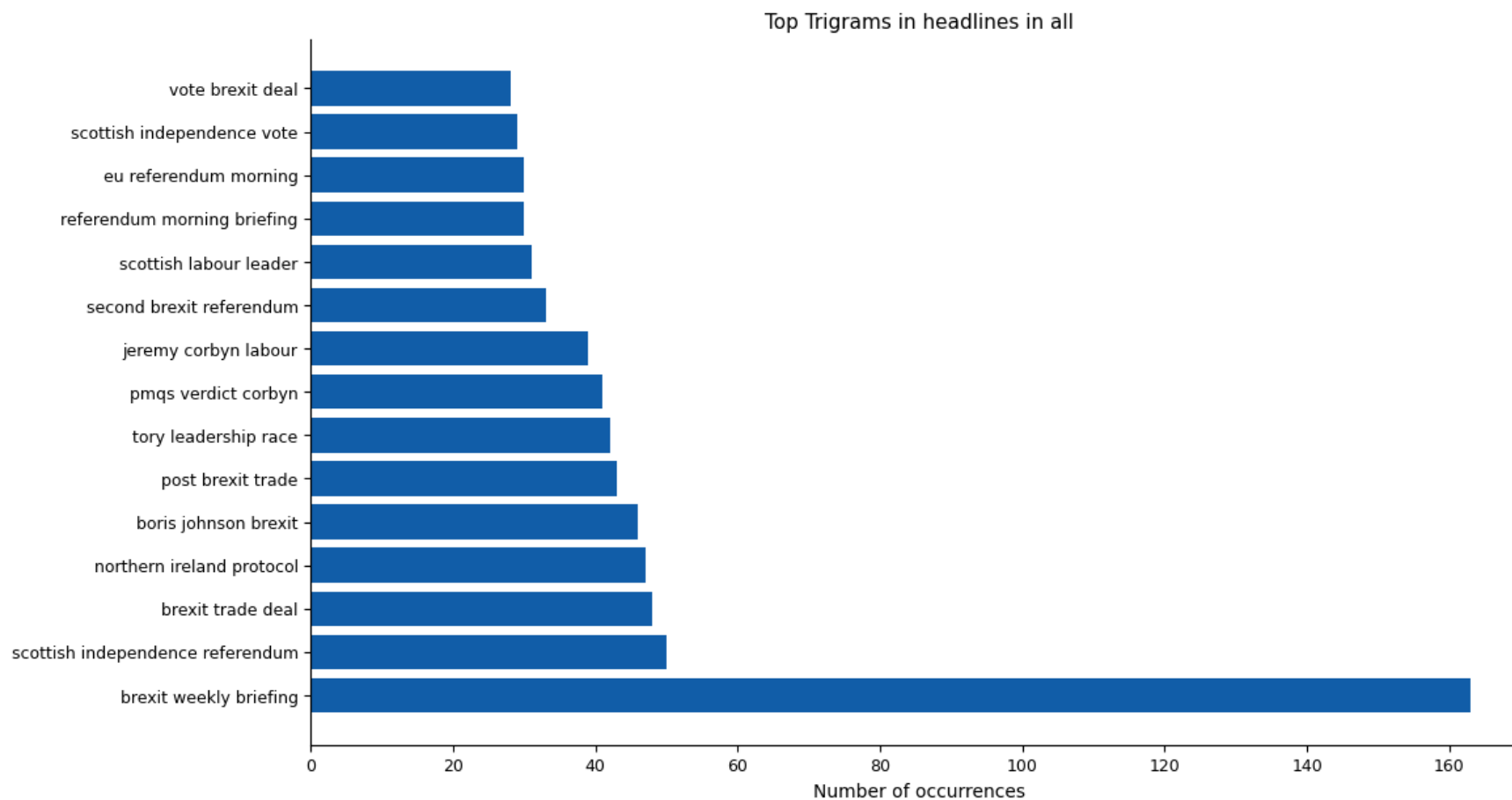


**Are Headlines more than
just Names? /**

Exploratory Data Analysis/ 2022 ngrams

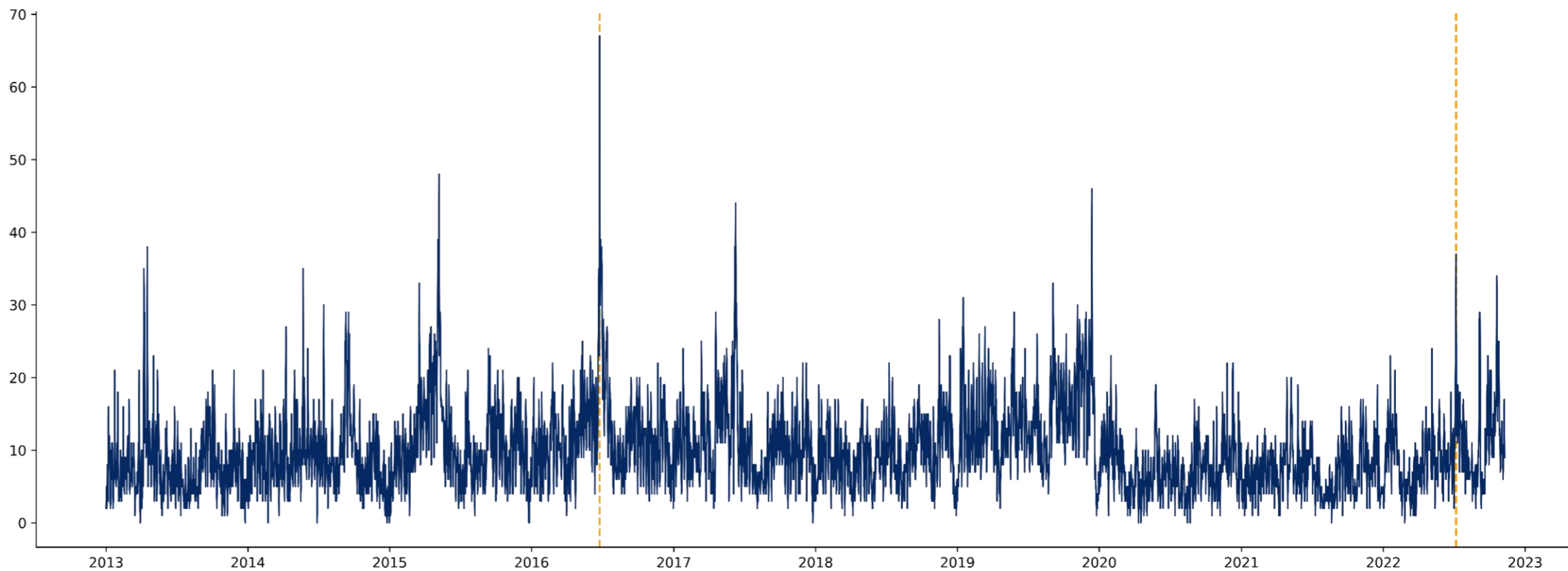


Exploratory Data Analysis/ 10 year ngrams

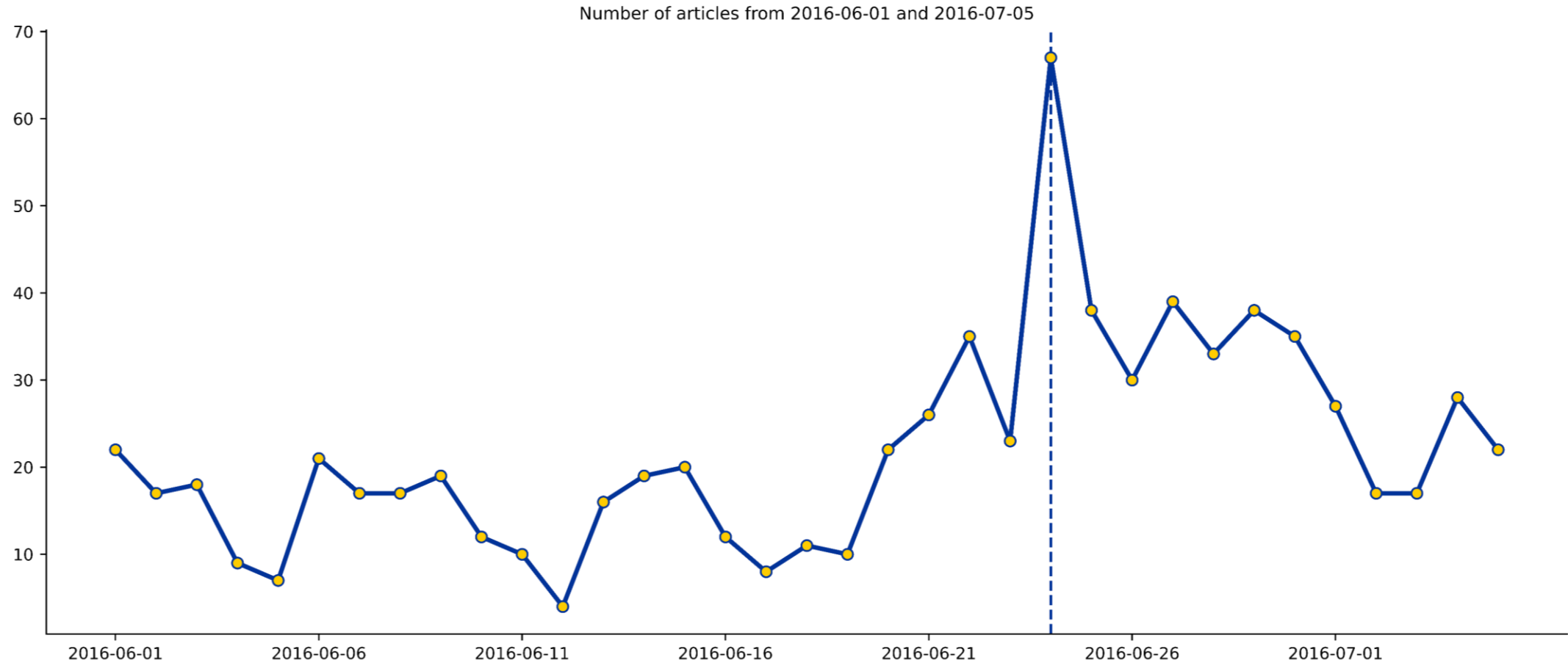


**Can we granulate this
further?**

Exploratory Data Analysis/



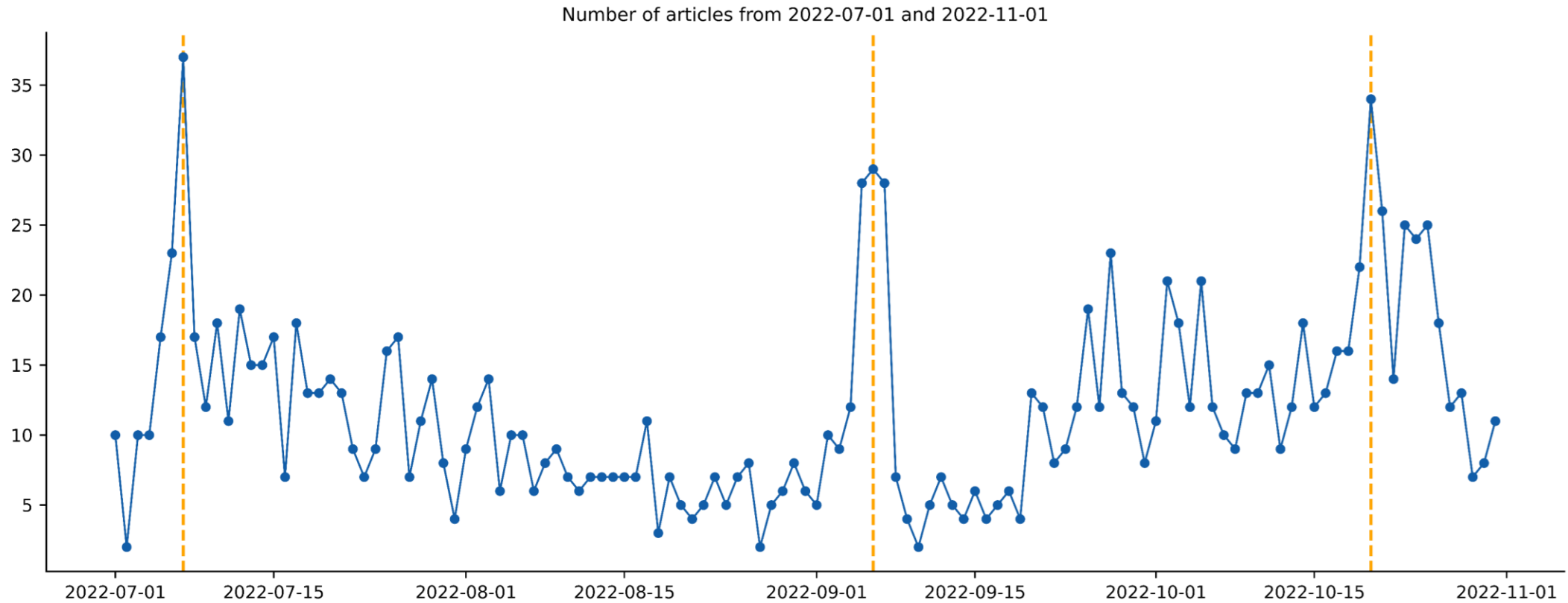
Exploratory Data Analysis/



Top Bigram: 'eu referendum'

Top Trigram: 'leaves European union'

Exploratory Data Analysis/



Date: 22/07/07 : **Top Bigram:** 'johnson resigns'

Date: 22/09/06 : **Top Bigram:** 'liz truss'

Date: 22/10/20 : **Top Bigram:** 'day chaos'

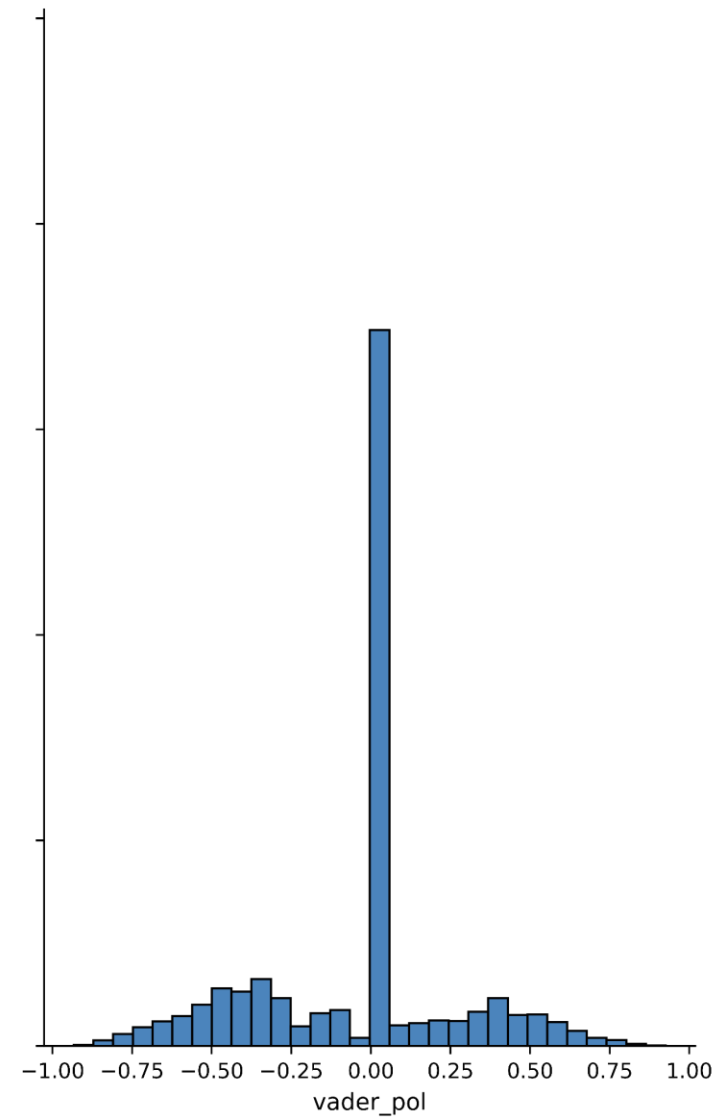
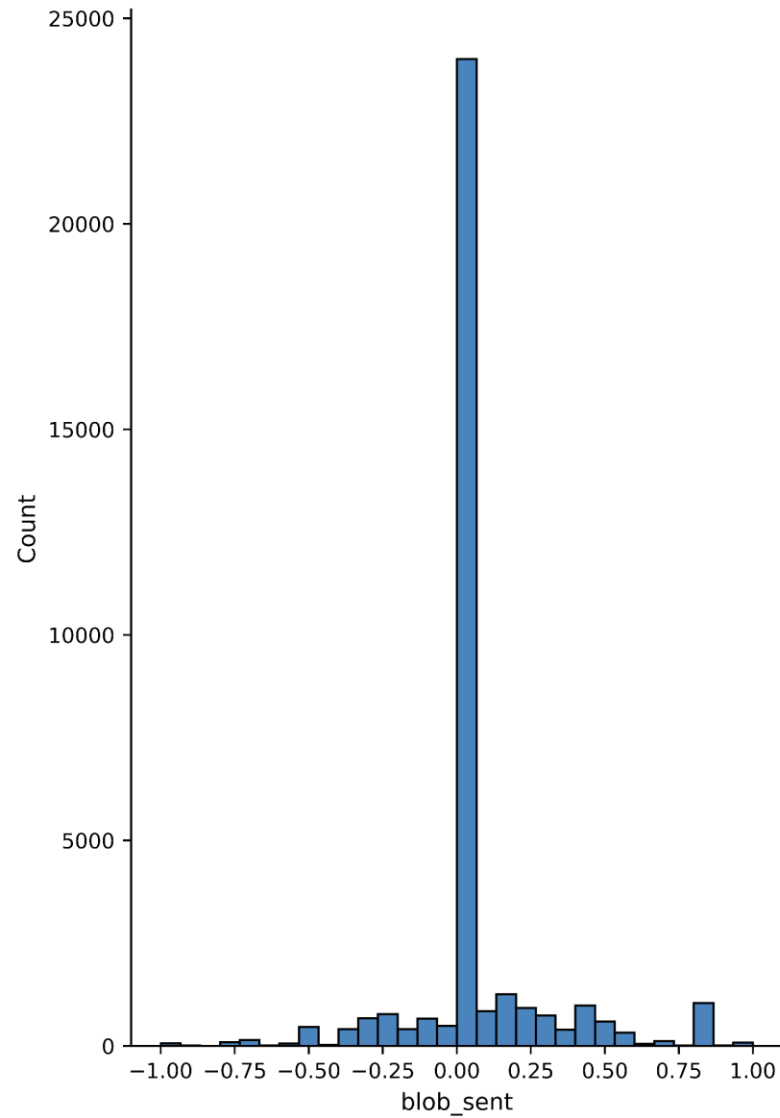
Top Trigram: 'boris johnson quits'

Top Trigram: 'liz truss victory'

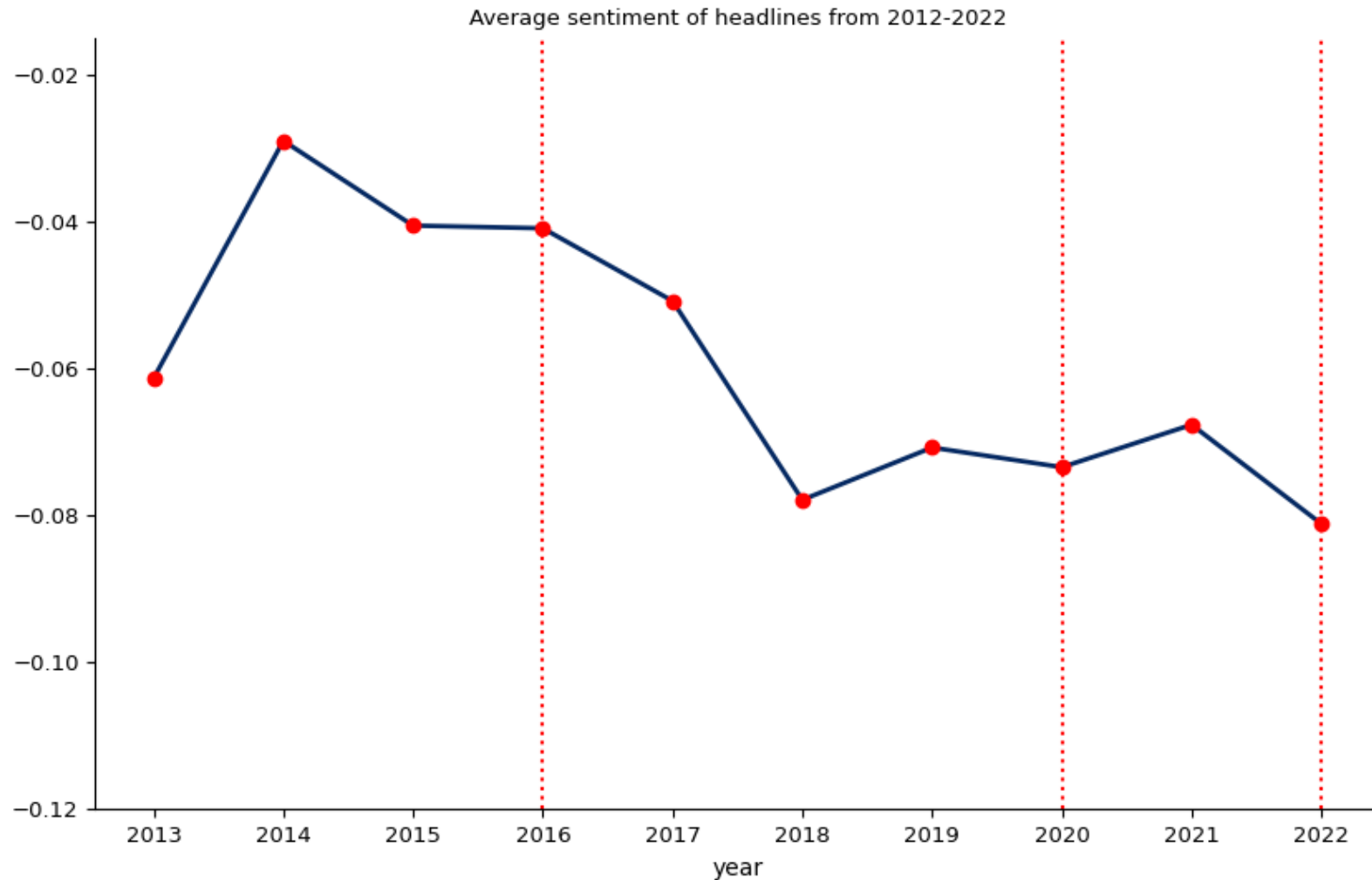
Top Trigram: 'government political turmoil'

Exploring sentiment and headlines/

Sentiment Analysis/ Pre-made Models

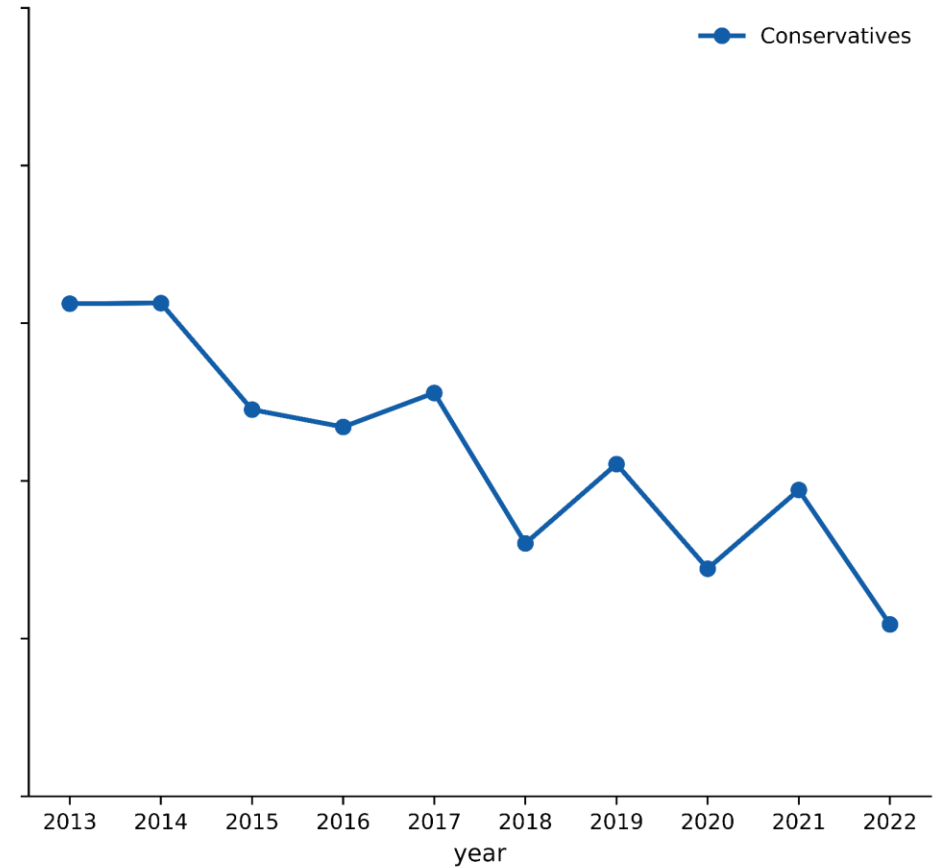
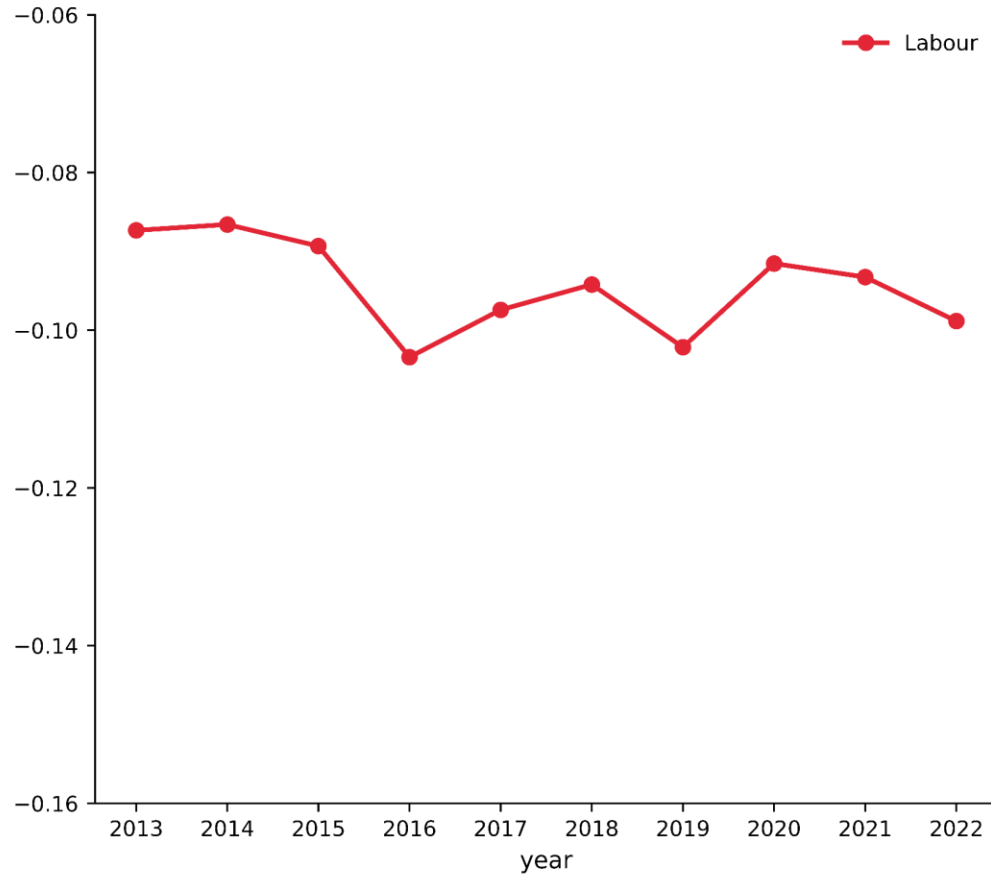


Sentiment Analysis/ Headlines over Time



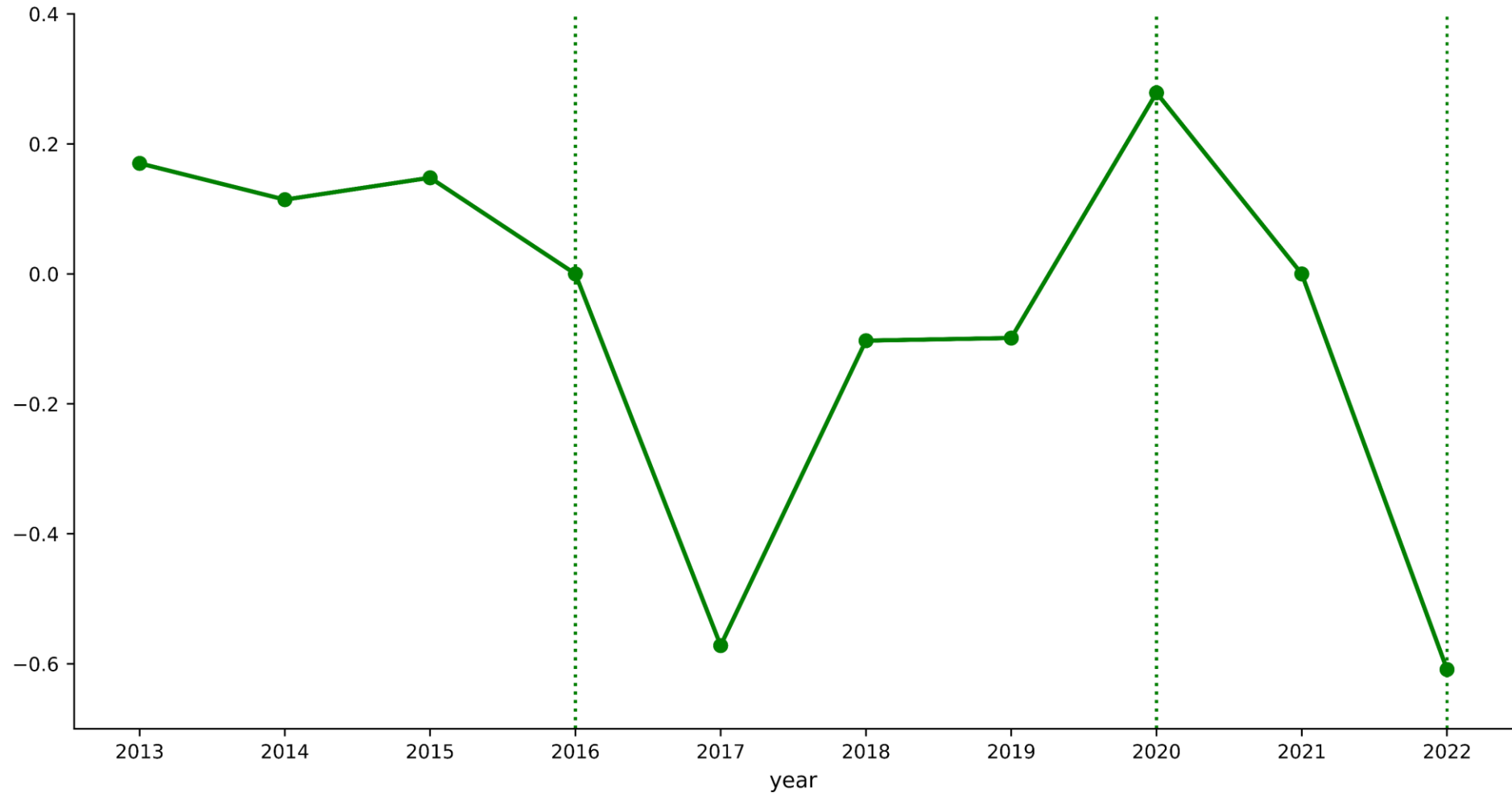
Sentiment Analysis/ Political Parties

Graph to show the sentiment of the two main UK political parties

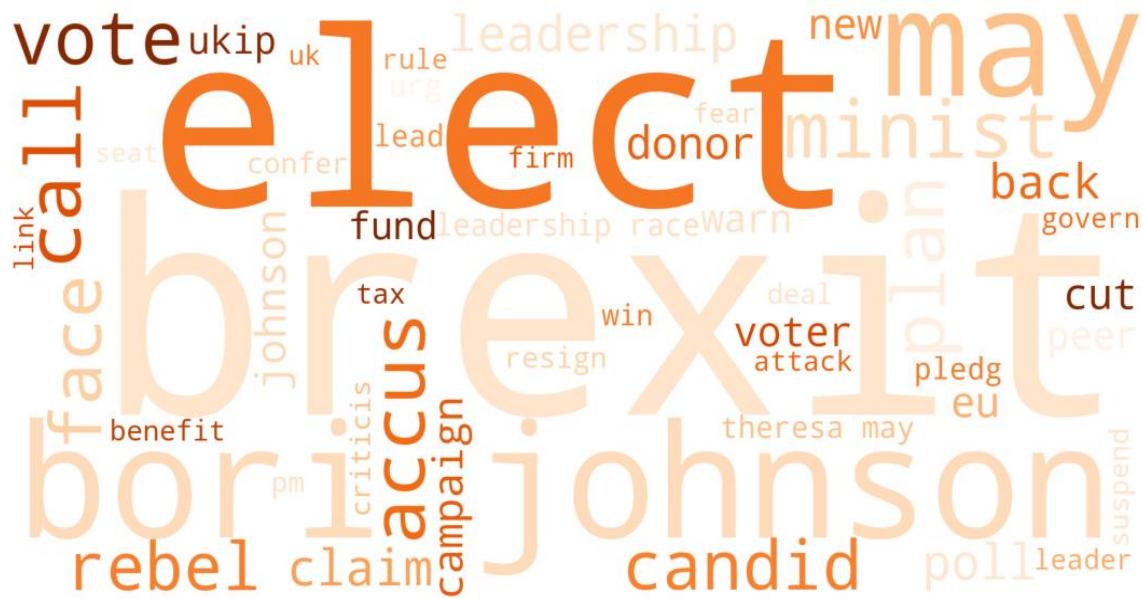


Sentiment Analysis/ Prime Minister

Graph to show the sentiment of the headlines containing "Prime Minister"



Sentiment Analysis/ Word maps



Overview/ Reviewing the success criteria

Shortcomings and Improvement/

**What wasn't
successful?**

Improvements?

Next Steps?

Thank You/

Questions/