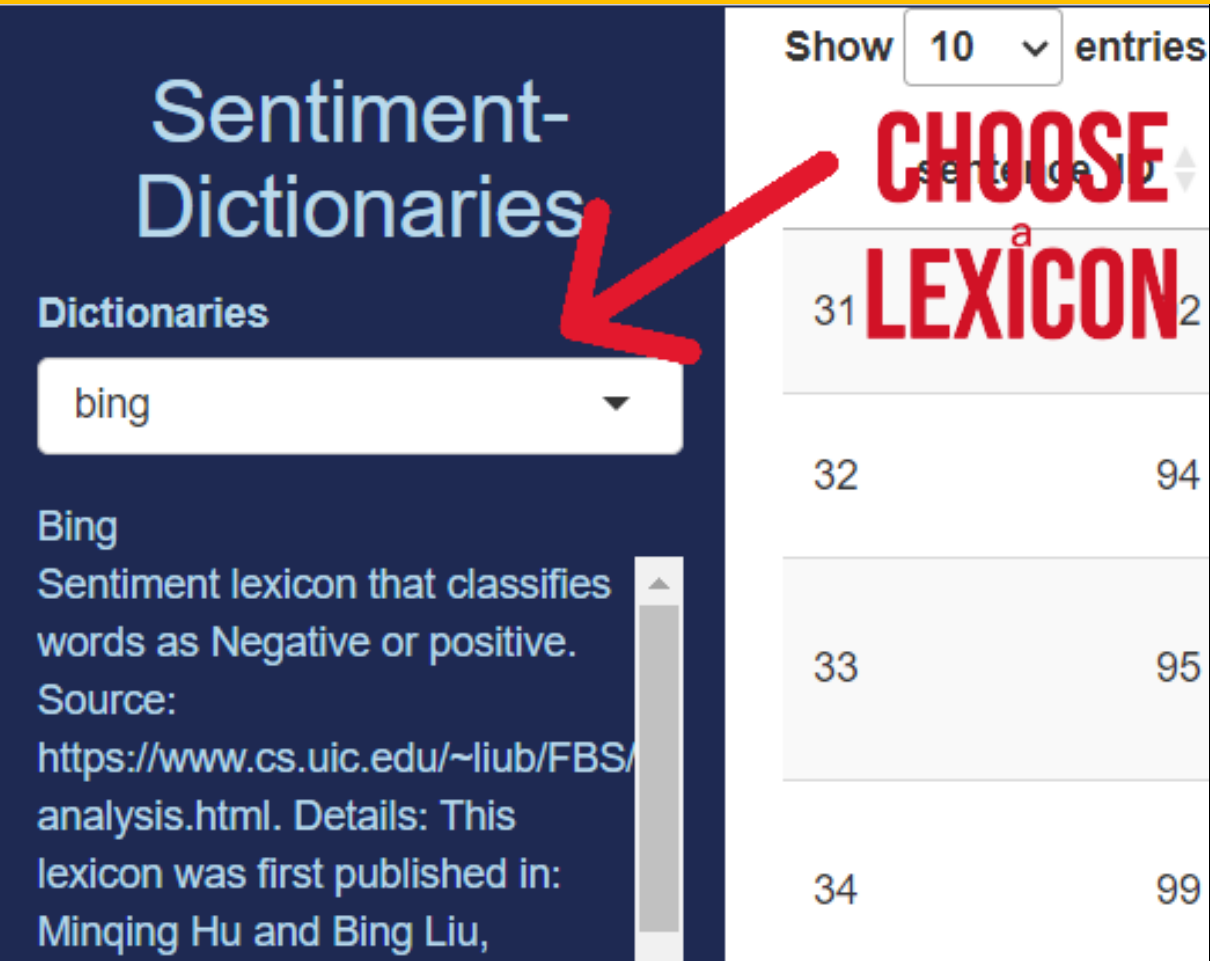
R Programming Language

Sentiment Analysis

Using Tidyverse and Shiny

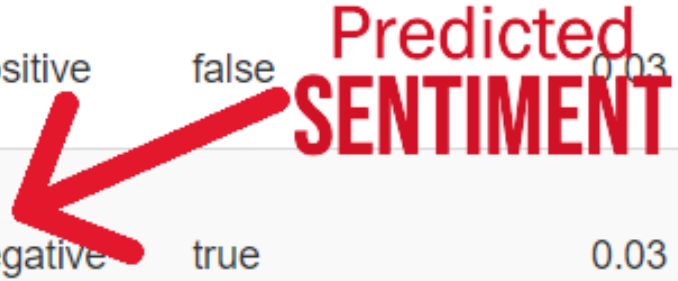
- Sentiment by Sentence
- Synthesis of the Results

Now we can analyze whether a sentence is likely to be positive or negative using a Sentiment Dictionary

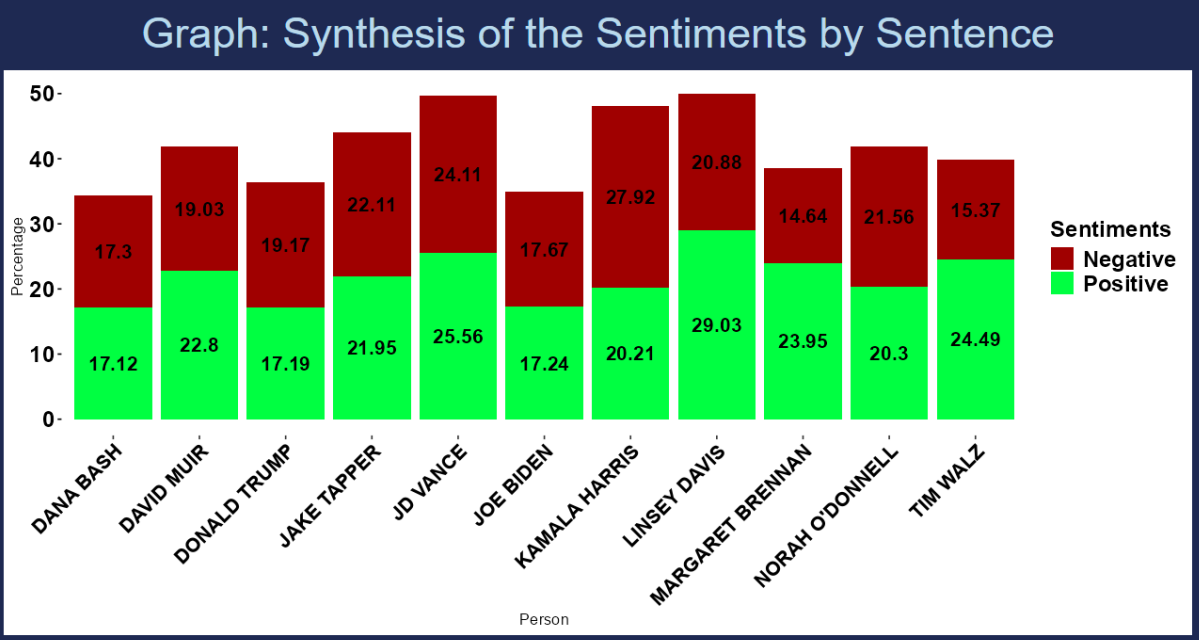


Sentences containing sentiments are evaluated and a weight is assigned

Assessment	Negation	Sen_Cor	Sen_Doc
likely positive	false	0	0.14
likely positive	false	0.03	0.25
likely negative	true	0.03	0.28
likely negative	false	0.04	0.32



A synthetic graph is created with ggplot



The green bar is the addition of the weights of all the positive sentences and the red bar of the negative ones

The same values are presented inside a table

Positive	Negative
17.12	17.3
22.8	19.03
17.19	19.17
21.95	22.11
25.56	24.11
17.24	17.67

Thank you

Next steps:

- Filter words inside a dictionary
- Create a tab for Thematic Analysis

Visit the project:
https://github.com/ortizpalanques1/debates_US_2024