R Programming Language

Sentiment Analysis

Using Tidyverse and Shiny

- Editing the dictionary
- Editing the values

A problem when working with sentiment analysis is the unexpected results.

- Some words do not represent the sentiment.
- Some sentences carry a sentiment different than its words.

Let's see an example when the word does not carry the expected sentiment

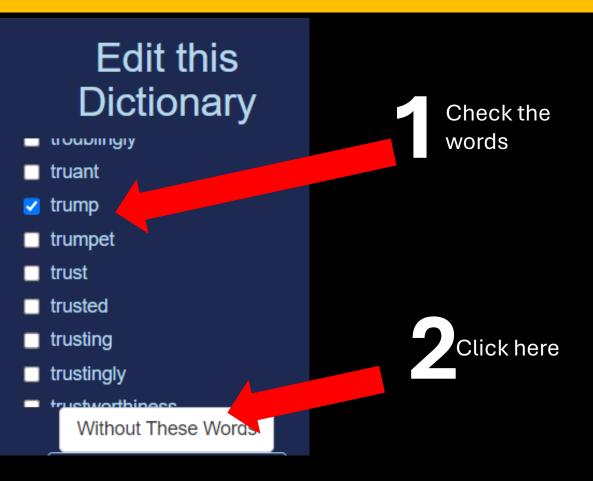| JAKE TAPPER	former president trump will be on the left side of the screen.	likely positive

"**Trump**," in this case, means the name of the president and not the "**trump card**" or a "**dependable person**."

We must tell the program not to evaluate this word.

In the area "Edit this dictionary," the researcher can check the unwanted words:

Edit this Dictionary

- troublingly
- truant
- ☑ trump
- trumpet
- trust
- trusted
- trusting
- trustingly
- trustworthiness

Without These Words

1 Check the words

2 Click here

The second possibility is that the sentence carries a different sentiment than that expected by the word
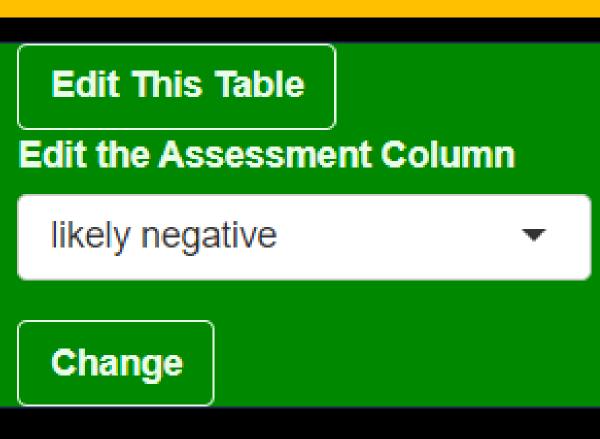
DONALD TRUMP   we – we are living right now in a rat's nest.   likely positive

In this case "right" is evaluated as positive, but the sentence is clearly negative.

For case like this, we use the Edit this Table section

Edit This Table

Edit the Assessment Column

likely negative ▼

Change

Once you have selected the right sentiment, it is changed in the table.

| DONALD TRUMP | we – we are living right now in a rat's nest. | likely negative |

All these editing features create new graphics and resume tables. You can download them as csv at any point in your research.

Thank you

Next steps:
Create a tab for Thematic
Analysis

Visit the project:
https://github.com/ortizpalanqu
es1/debates_US_2024