## When do people talk about women's rights? Timeline and sentiment in relationship with political or

social events Posted on December 11, 2021

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list provided by wikipedia:

there were quotes about that

This section will investigate the timeline with sentiment and focus on specific days/months to highlight that quotes are related to political or social events. For now

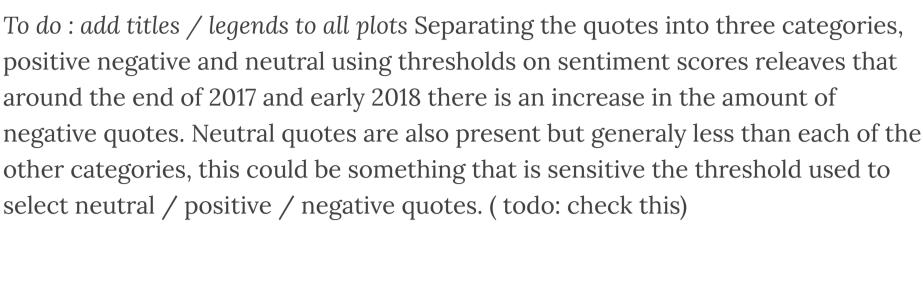
details about which quotes we used here after deciding).

is sexual harassment quotes that are predominantly found around this time. We could also try to find other events. The selected quotes for our study have been attributed dates between 2015 and 2020 approximately. Some periods were more active than others, hence one can wonder how did the sentiment of these quotes evolved over these time frames.

The next analysis are done on quotes that have been selected (.. TODO: add precise

we can focus on the end of 2017 and show the subcategories found, i.e. that mostly it

**How has Sentiment Evolved over time?** 



Aggregating the data (each square represents a month (31 days), and and sentiment interval of 0.05, color represents the proportion ) shows furthermore that there is an inscrease in the quotes with negative sentiment around the end of 2017

Seems like there were a lot of negative quotes end of 2017 We could maybe use the

https://en.wikipedia.org/wiki/2017\_in\_the\_United\_States#October to see if

40% 40% 20% 20%

positive

2015 2016 2017 2018 2019 2020

80 -

60 -

40 -

20

plot with bootstrapped confidence intervals here

MEDIAN

Negative

todo: find a way to normalize by time period only

100 -

2015 2016 2017 2018 2019 2020

negative

40%

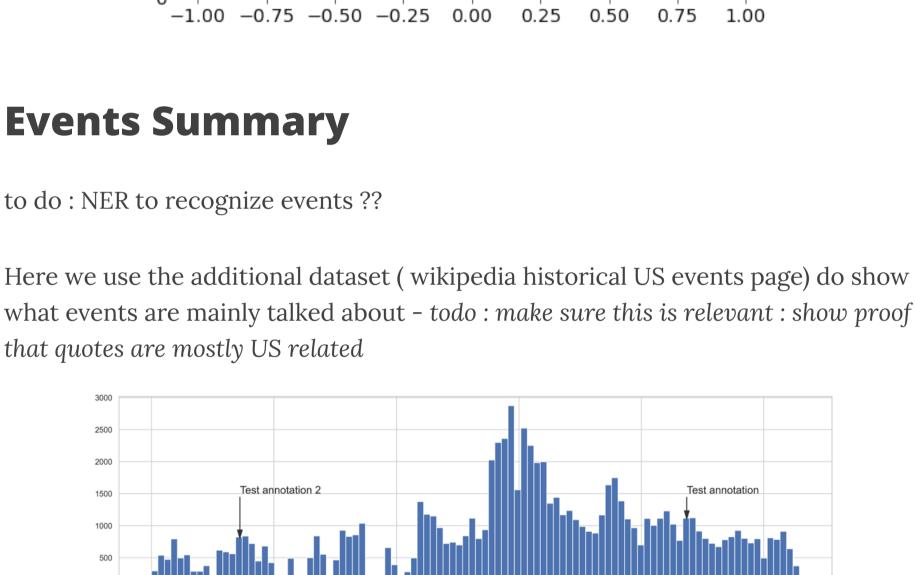
20%

neutral

2015 2016 2017 2018 2019 2020

MEDIAN

Positive



Supreme Court ruling in December 2017 reversed the lower courts' decisions, allowing the administration to fully implement the bans."

or social events?

period.

2000

1750

1500

1250

1000

750

majority nations."

Candidate events are:

and points south." • https://www.history.com/topics/21st-century/2017-events#section\_1 Are peaks in sentiment related to political

To further investigate what happened around 2017, to try and find what even this

corresponds to, keywords are used to put the quotes into different categories.

Surprisingly enough almost all of the quotes go into the "sexual" category. This

suggests there might have been a sexual harassment scandal around this time

• "Tough talk on immigration: Shortly after taking office in January, President

Trump sought to make good on his "America First" campaign promise by

• "Federal district courts struck down implementation of the bans, though a

"Trump also continued to promote his election campaign idea of a border

wall with Mexico that he says will help quell illegal immigration from Mexico

imposing a series of contentious travel bans on citizens from several Muslim-

500 250 0 work snous islam tation

Here are the 5 most commons words in the quotes selected from the heatmap.

This confirm our hypothesis and allows us to look into more details.

sexual

women

assault

harassment

allegations 500 1000 1500 0 2000 2500 Frequency Let's look at some of the quotes categorized to see if we can find what they are talking about: • quote 1 : todo : add quotes here • quote 2: • quote 3: While these might not be entirely representative they seem to be pointing at .... **Methods** 

## **Tests**

the analyses

**Tools** 

Keywords

Tags: timeline with sentiment subcategories plot

**Categorizing quotes** 

Comparing Sentiment scores to a human



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We discuss what tools were used for the analyses above and the validity or each of



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