Classifying Subreddits

r/Feminism
r/MensRights

TW: Assault + Language.

Men's Rights :: Advocating for the social and legal equality of men and boys since 2008

r/MensRights

About :

At the most basic level, men's rights are the legal rights that are granted to men. However, any issue that pertains to men's relationship to society is also a topic suitable for this subreddit. Men's rights are influenced by the way men are perceived by others.

Top Posts:

Crossposted by u/Petrus59 18 hours ago

1.2k

I was a victim of abuse and my partner laughed it off.

/r/True... ⤤

Why women are heterosexual, feminine, and in relationships with men? Feminists explain in a feminist classic: "Loving to Survive: Sexual Terror, Men's Violence and Women's Lives". Crazy stuff, crazy people! `Feminism`

Feminism - "the personal is political"

r/Feminism

About:

Discuss and promote awareness of issues related to equality for women.

Top Posts:

Amazing how most people are more angry at imperfect feminism than they are at systemic misogyny.

Biden to reverse anti-abortion rights policies in new executive actions

cbsnews.com/news/b... ⤤

2500 Posts

from MensRights

2500 Posts

From Feminism

2805/ 5000

Text posts missing

|	title	selftext	num_comments	target
0	Oh nooo..... 4% is soooo baaad	thisismissingtext	4	0
1	Black men matter	Now before you read the title and downvote, le...	1	0
2	This is beyond repulsive. India has one of the...	thisismissingtext	17	0
3	We should start caring about male domestic abu...	[removed]	0	0
4	Have you guys ever faced discrimination from t...	I was doing some research on healthcare discri...	1	0
...	...	...	...	...
4995	At a time when tattoos were beyond stigmatized...	thisismissingtext	0	1
4996	Can't believe this is still a thing (my mom ha...	thisismissingtext	0	1
4997	How is this still a thing? (My mom has been a ...	thisismissingtext	0	1
4998	Random	[removed]	0	1
4999	pictures like this>	thisismissingtext	0	1

5000 rows × 4 columns

Goal:

Use title to predict target

Data Scraping and Cleaning

Pre-Pipeline & Parameter tuning
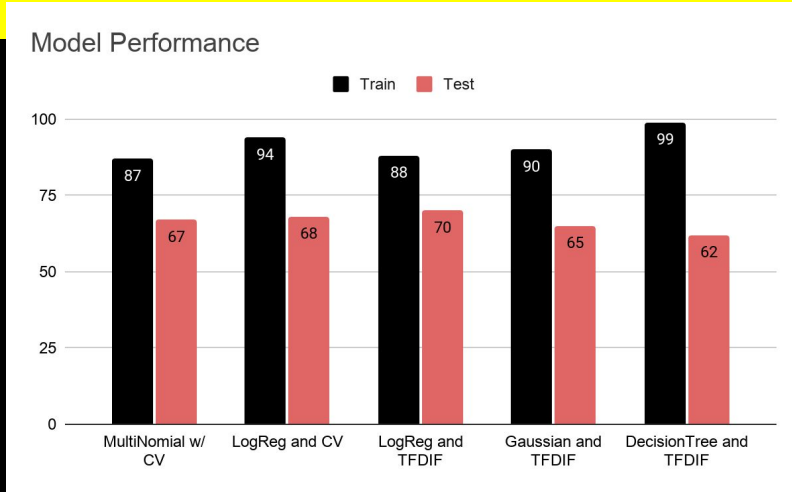
Post-Pipeline & Parameter tuning
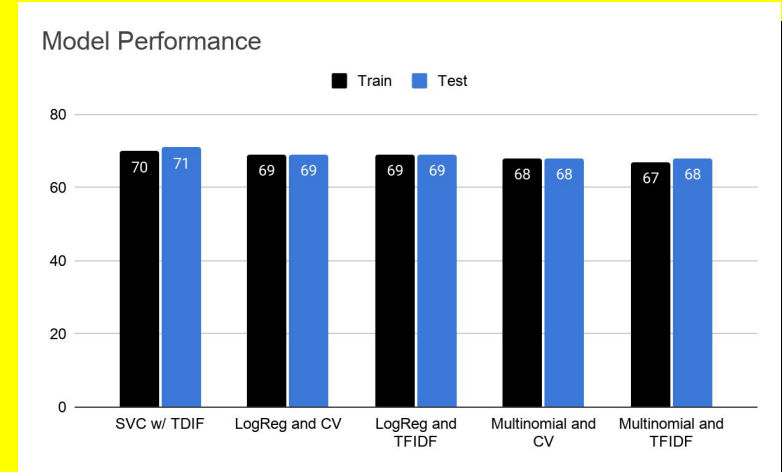
Model Performance

Best Models

SVC + TFIDF:

```
svc__kernel: linear
tv__max_df: 1.0
tv__max_features: 8000
tv__min_df: 1
tv__ngram_range: (1, 2)
tv__stop_words: english
Train score: 0.7013333333333333 Test score 0.71466
```

LogReg + CV:

```
cv__max_df: 1.0
cv__max_features: 8000
cv__min_df: 1
cv__ngram_range: (1, 2)
cv__stop_words: english
lr__C: 1
lr__penalty: l2
Train score: 0.6928888888888889 Test score 0.696
```

Best Parameters

	coefs
false	-1.590563
guys	-1.431257
boys	-1.324344
imagine	-1.311948
abortion	1.282975
circumcision	-1.262427
mensrights	-1.212801
joke	1.200759
ex	-1.185513
posts	-1.172902
man charge	1.130317
girls	1.119215
misandry	-1.115295
boy	-1.084119
claims	-1.036220
giving	-1.036150
speech	-1.032597
men	-1.028126
dude	1.013033
law	-1.008453

Important Coefficients

750
Predictions

223
Misclassified

Misclassifications

Left panel:

ID	Title
1900	Experiences on public transport at night
2933	Reactions to Wonder Woman
1469	The last and perhaps most important video of 2...
1218	As MRAs, are you guys Pro-Choice or Pro-Life?
2079	In Australia, a 22 year old woman has publicly...
385	Reject Humanity - Embrace Monkē
2790	Where did "body shaming" go?
1621	The Real Gender Gap!!
2085	We know how to protest
2071	New Reddit update promotes female visibility
345	Two examples of total hypocrisy

Right panel:

| ID	Title
225	Am I too weak and feminine?
441	I was proving proper points to a misandrist an...
2410	Can a woman abuse a man?
95	Any good book reccomendations?
1855	The failure of gender identity theories at add...
1539	'Femininity' should be a woman in her default ...
1837	Here's what's about ethical/non-violent porn: ...
1954	How's this for "male privilege"

Most Common Words From r/Feminism

Most Common Words From r/MensRights
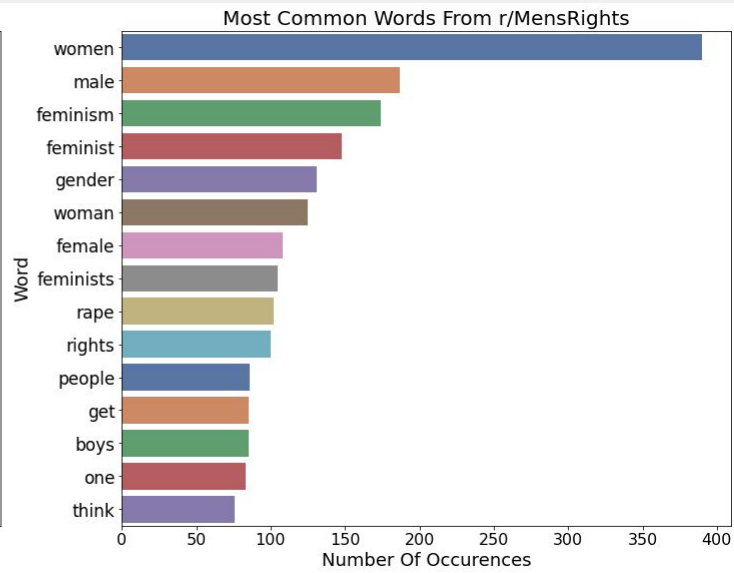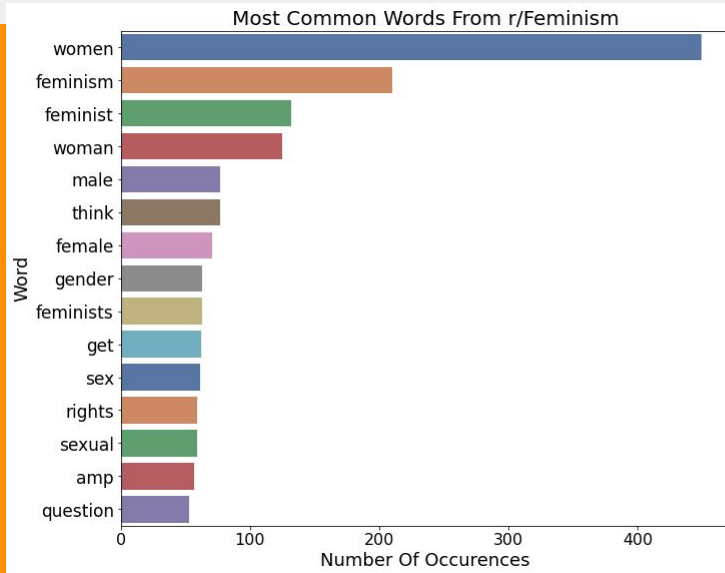
The same but different

Importing Lexicon Profane Language

```python
men_count = 0
men_words = []
for word in bad_word_list:
    for value in men_vectorized:
        if word == value:
            print(word)
            men_count +=1
            men_words.append(word)
print(men_count)
```

```python
men_bad_posts = []

for word in men_words:
    for value in men_df['title']:
        if word in value:
            men_bad_posts.append(value)
men_bad_posts
```

187 Posts
In Feminism

249 Posts
In MensRights

Sentiment Analysis

"PsychologyToday's definition of 'toxic feminity'.. they are so deluded , they see themselves as a vitcim in everything!"

'Debunking the Idea that false rape accusations are rare.

"women can ("unintentionally") make men rapists against our intent? I almost wish I was gay... No gender/sex inequality excuses then"

" "Profane" Men's Rights Posts

"'Being homophobic is anti-men'"

"'Proof to girls everywhere: if you suck the right d*** and grease the right palms then YOU TOO can ride the coattails of a more successful man!"

"I gotta give it to the feminists that rape culture does exist. Against men...'"

"Prostate cancer now kills more people than breast cancer,A common feminist lie is that men dont die of prostate cancer"

"False rape cases increasing because of societal norms on honour or as getting back"

" I hate women, I think they are stupid. Sometimes they speak like they are intelligent but they just have a big mouth. The real things they do is suck"

"'From my standpoint... f*** shaving ✊'"

"If our society teaches women to expect to be raped maybe we don't have a problem with our women but rather a problem with our society"

"'Men f***ing suck and should all die"

" "

"Profane" Feminism posts

"'Women and girls are held captive to deliver babies who are then sold illegally to adoptive parents, forced into child labour, trafficked into prostitution or, as several reports suggest, ritually killed"

"I live in a very misogynistic area and sometimes fear for my safety. How should I go about dealing with it?"

"The Irish President passed a law to make revenge p*** and privacy of po*nillegal"

"'What is the most effective approach to battling rape culture?"

"'I personally believe the most powerful way to end rape culture once and for all is to begin a self defense movement"

Most Common Words From r/Feminism

Most Common Words From r/MensRights
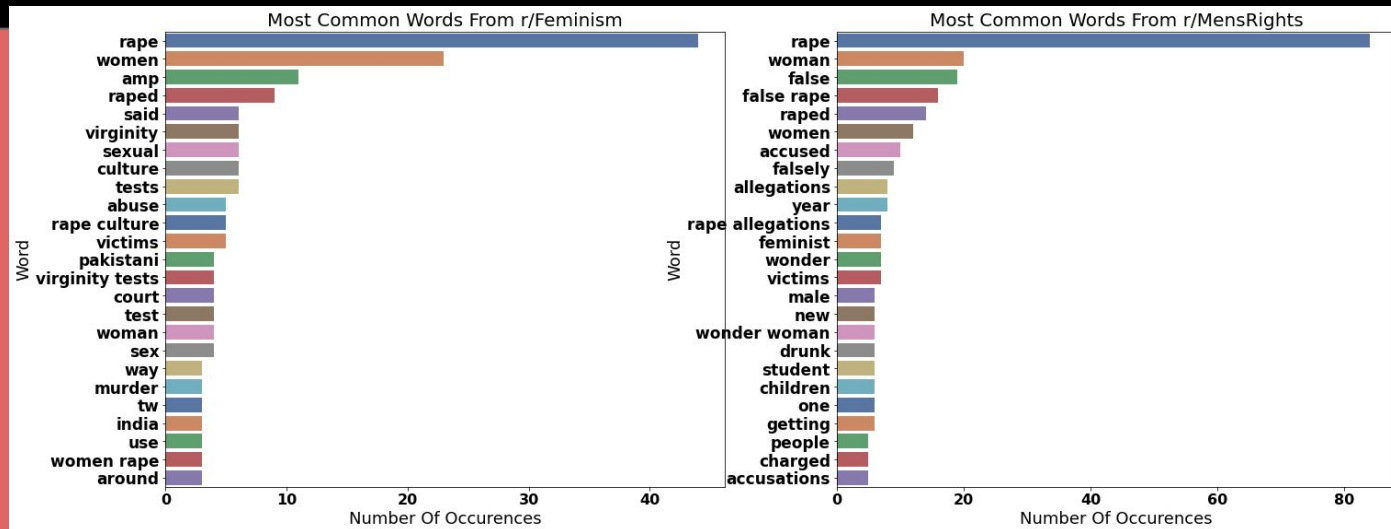
Assault language across the communities

Conclusions

- Communities discuss same topics in different ways

- MensRights has more profane posts than Feminism

- Both communities discuss assault frequently

- MensRights discusses assault using terminology which shows overall skepticism and doubt

- Until a classification model can take into account more sentiment it will be difficult to differentiate between the communities.