Can Women Break the Glass Ceiling?: An Analysis of #MeToo Hashtagged Posts on Twitter

1605097, 1605106, 1605114

Bangladesh University of Engineering and Technology

August 28, 2019

Table of Contents

Introduction

- October 15, 2017 : Tweeter news feed exploded by a tweet of Alyssa Milano

Introduction

- October 15, 2017 : Tweeter news feed exploded by a tweet of Alyssa Milano
- Women all over the world shared their story of sexual harassment and sexual assault in social media with a hashtag #MeToo
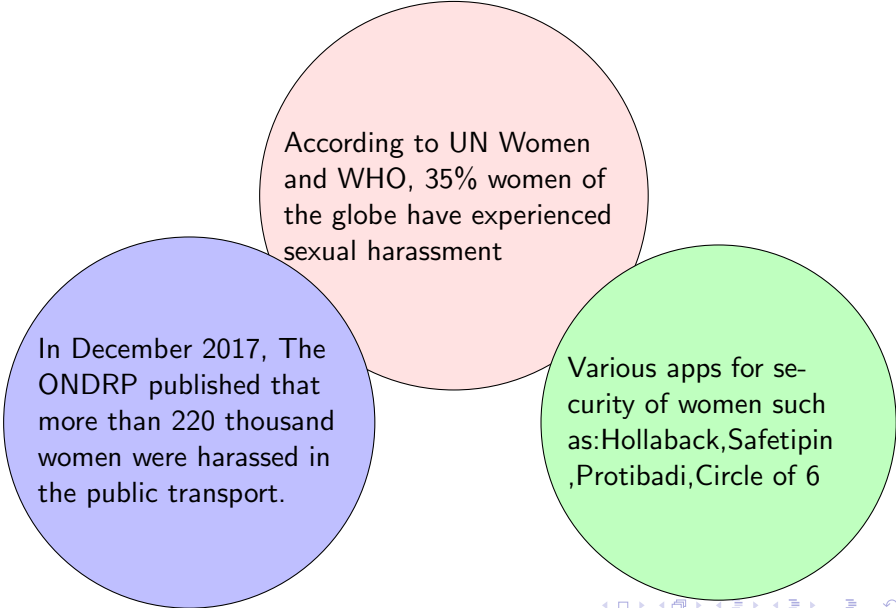
Introduction

- October 15, 2017 : Tweeter news feed exploded by a tweet of Alyssa Milano
- Women all over the world shared their story of sexual harassment and sexual assault in social media with a hashtag #MeToo
- More than 4.5 million posts within 24 hours

Introduction

- October 15, 2017 : Tweeter news feed exploded by a tweet of Alyssa Milano
- Women all over the world shared their story of sexual harassment and sexual assault in social media with a hashtag #MeToo
- More than 4.5 million posts within 24 hours

According to UN Women and WHO, 35% women of the globe have experienced sexual harassment

According to UN Women and WHO, 35% women of the globe have experienced sexual harassment

In December 2017, The ONDRP published that more than 220 thousand women were harassed in the public transport.

Previous Works

According to UN Women and WHO, 35% women of the globe have experienced sexual harassment

In December 2017, The ONDRP published that more than 220 thousand women were harassed in the public transport.

Various apps for security of women such as:Hollaback,Safetipin ,Protibadi,Circle of 6

Data Collection

City	#Tweets	Male	Female	Female(%)
Dallas	1249	144	471	76.59
Dhaka	82	32	22	40.74
Indianapolis	1203	180	452	71.52
Kansan City	448	61	208	77.32
Karachi	250	44	55	55.56
Mumbai	2778	724	674	48.21
New York	1878	267	754	73.85
North Dakota	110	18	34	65.38
Portland	849	146	316	68.4
Saint Louis	619	92	224	70.89
Tehran	114	13	32	71.11

- **Age and Gender Distribution**

- **Age and Gender Distribution**

(a) US
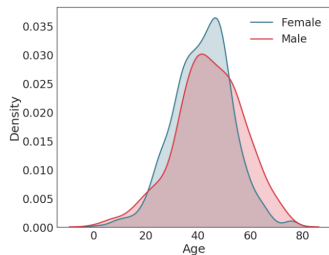
Analysis

- **Age and Gender Distribution**
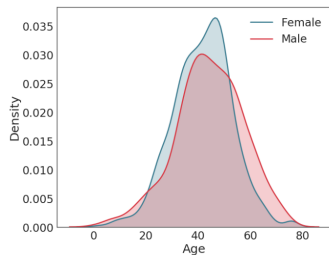
(a) US
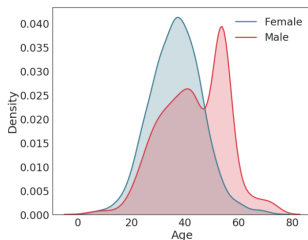
(b) Asia

Figure: Age distribution of female and male users

Harassment Claims in a Particular Form

==Men== used to ==catcall== ==me== while I waited for mum to pick me up. I was 12 years old. #metoo

Harassment Claims in a Particular Form

Men used to catcall me while I waited for mum to pick me up. I was 12 years old. #metoo

#MeToo at a young age. I was assaulted by a neighbor friend of my parents. No one would believe me. Then later @18 by my Boss. I quit.

Harassment Claims in a Particular Form

Men used to catcall me while I waited for mum to pick me up. I was 12 years old. #metoo

#MeToo
sex harassment charges
hit Silicon Valley . Robert Scoble says, 'I feel ashamed'.

#MeToo at a young age. I was assaulted by a neighbor friend of my parents . No one would believe me. Then later @18 by my Boss. I quit.

Frequency of different harassment categories
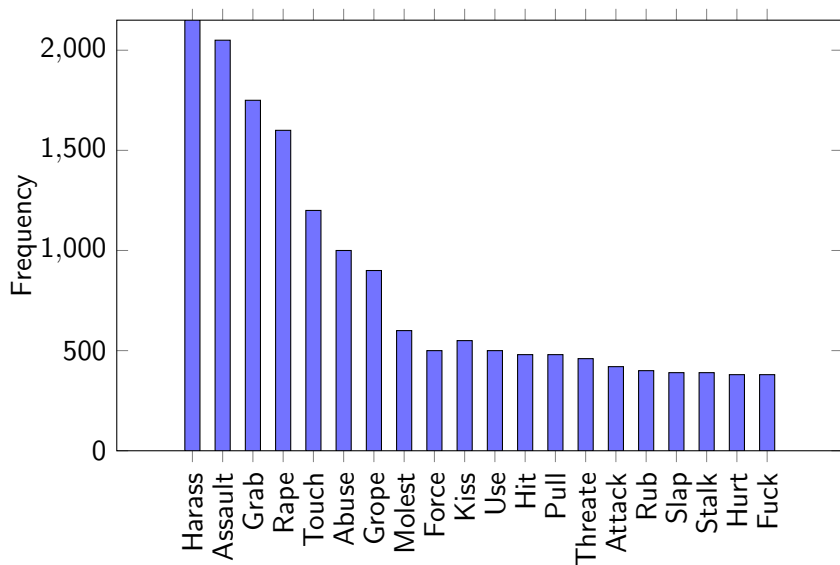
Frequency of harasser roles
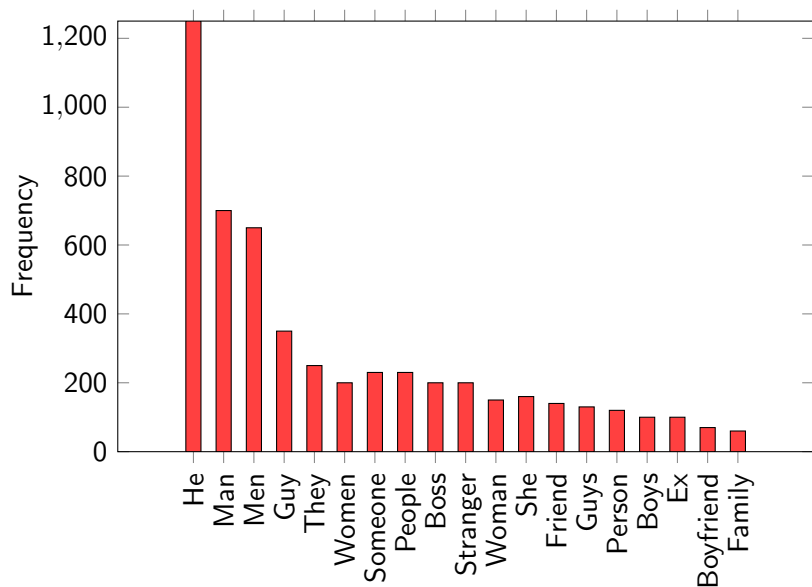
Frequency of harassment frequency in different region

(a) USbar.eps

(b) Asiabar.eps

Topic Distribution

Relevance of a word with respect to a topic, r (w, k), is calculated using this equation :

Equation

$$r(w, k) = \lambda * \log(\delta_{kw}) + (1 - \lambda) * \log(\frac{\delta_{kw}}{P_w})$$

Here , kw denotes the probability of word w for topic k, pw denotes the marginal probability of termw in the whole dataset, and is a tuning parameter

Frequency distribution of harassment category - harasser role pairs