

ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING TWITTER DATA

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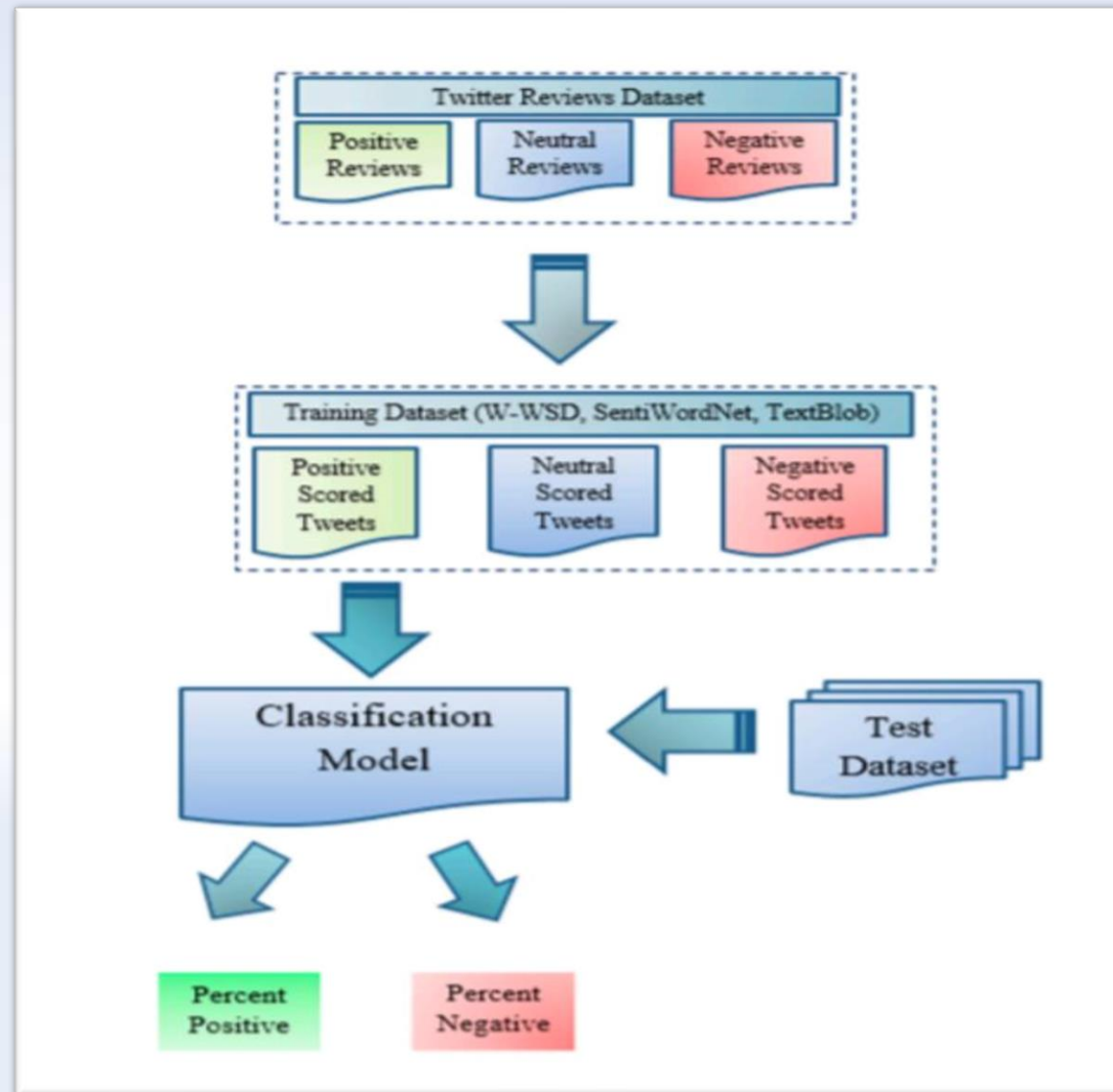
Abstract

Nowadays women are experiencing lots of violence such as harassment in places in several cities. This starts from stalking which then leads to abusive harassment or also called abuse assault. In this project we mainly focus on the role of social media which can be used to promote the safety of women in India, given the special reference to the participation of many social media websites or applications such as Twitter platform. This project also focuses on developing the responsibilities among the common people on the various parts of Indian cities so that the safety of women around them is ensured. So this project aims at finding safety percentage of a city in the ideology of women safety by finding polarity of comments.

Dataset

- The dataset we are using is “MeToo_Tweets.csv ”
- There are 15k rows and 3 columns.
- This dataset include many fields about each tweet like Text, Favorite_count and Retweet_count.
- https://www.kaggle.com/hollyhetherington/metootweets?select=MeToo_tweets.csv

Architecture



Technology Stack

Technology:

- Machine Learning
- Python

Algorithms:

- SPC algorithm.
- Support Vector Machines

Libraries:

- Text blob
- Pandas
- Scikit-learn library.

References

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Thankyou