



Women Safety in Indian Cities Based on Tweets Using XG Boost Algorithm

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ABSTRACT

Ladies are encountering a good deal of savagery and badgering go into the open spots in numerous urban communities beginning from following to inappropriate behaviour or attack. This project centres round the job of online media in advancing the safety of girls in Indian urban communities, given the exceptional relation to the task of web based media sites or applications. Now-a-days most people are using social networking sites to precise their feelings and if any women feel unsafe in any area then she's going to express negative words in her post/tweets/messages and by analysing those messages we will detect which area is more unsafe for women's. This might be very beneficial to extend safety in dangerous areas for ladies travellers.

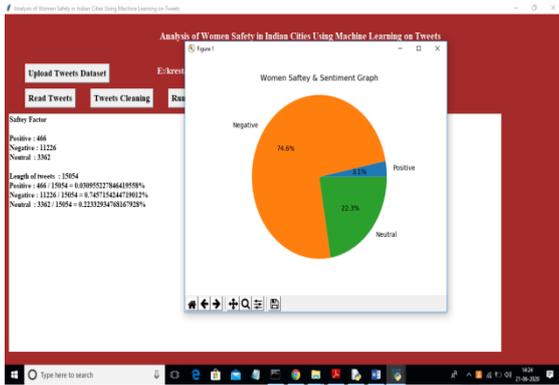
The main objective of our project is to investigate the assorted types of violence and threats against the ladies by making use of preferred and powerful social media data and by using the concept of machine learning. The quantity of likes, tweets, comments, blogs and post on the actual incident against woman may be used for this analysis. These Social networking sites collectively update the feedback about particular incident and it'll be exhibit under the discussion of the many people. This can give the world picture of assorted crimes against woman and showcase how the intention framed and motivation behind the scenario. This data would be helpful to safeguard the lady from the unlikely violence against them within the society.

1. INTRODUCTION

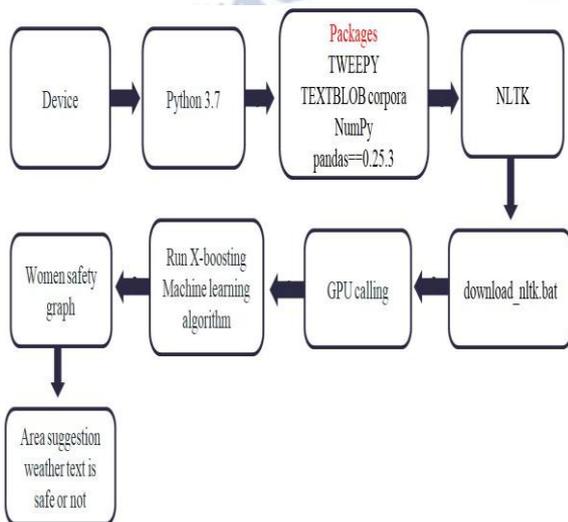
In India ladies are revered by individuals regarding them as goddesses where as there are expanding number of savagery against ladies. The brutality against ladies has expanded by numerous folds because of the more prominent openness of ladies in each field of life. Wrongdoing against ladies like assault, corrosive tossing, endowment killings, honour killings and constrained prostitution of little youngsters has been accounted for in India. The examination across most mainstream Metropolitan urban areas of India including Delhi, Bangalore and Mumbai shows that ladies feel risky while going out to work or while going out in the open vehicle and so on, true insights show a

sensational expansion in the quantity of revealed wrongdoings against ladies.

Nowadays women are experiencing plenty of violence like harassment in places at several cities. This starts from stalking which then results in abusive harassment or also called abuse assault. during this project we mainly concentrate on the role of social media which may be wont to promote the security of girls in India, given the special relevancy the participation of the many social media websites or applications like Twitter, Facebook and Instagram platforms. This project motivation is to develop the responsibilities among the people on the varied parts of



SYSTEM ARCHITECTURE



4. CONCLUSION

As an outcome, our study will present a global picture of various crimes against women and demonstrate how the scenario's goal and motivation are structured. We can identify risky areas in metropolitan cities and increase safety in those areas as a result of our project, allowing women to feel free to go wherever they want. As a result, we present recommendations in order to reduce the possibility of unsecured problems appearing in society, which will undoubtedly aid in lowering the risk of these devious actions affecting society, and by rigorously adhering to the rules, we will be able to reach a greater level of security.

5. FUTURE SCOPE FOR FURTHER DEVELOPMENT

When it comes to handling enormous amounts of data from social media sites, the machine learning algorithms utilised are quite effective and perform well on a variety of platforms. These algorithms have the potential to make a significant difference in women's safety by

extracting data and creating a diverse range of datasets to work with. In the near future, we intend to work on this project more and tweak it to make it even more efficient.

Conflict of interest statement

Authors declare that they do not have any conflict of interest.

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