

Gender-based Violence Challenge Presentation

ALERT

PLAN

I- INTRODUCTION

II- DATA EXPLORATION

III- MODEL BUILDING

IV- CONCLUSION

I- INTRODUCTION

- . The world in general and Africa in particular is subject to different types of violence.
- . On the basis of the data collected, the objective of this work is to provide insights about gender-based violence.

ALERT

II- DATA EXPLORATION

Data were collected from different countries in Africa

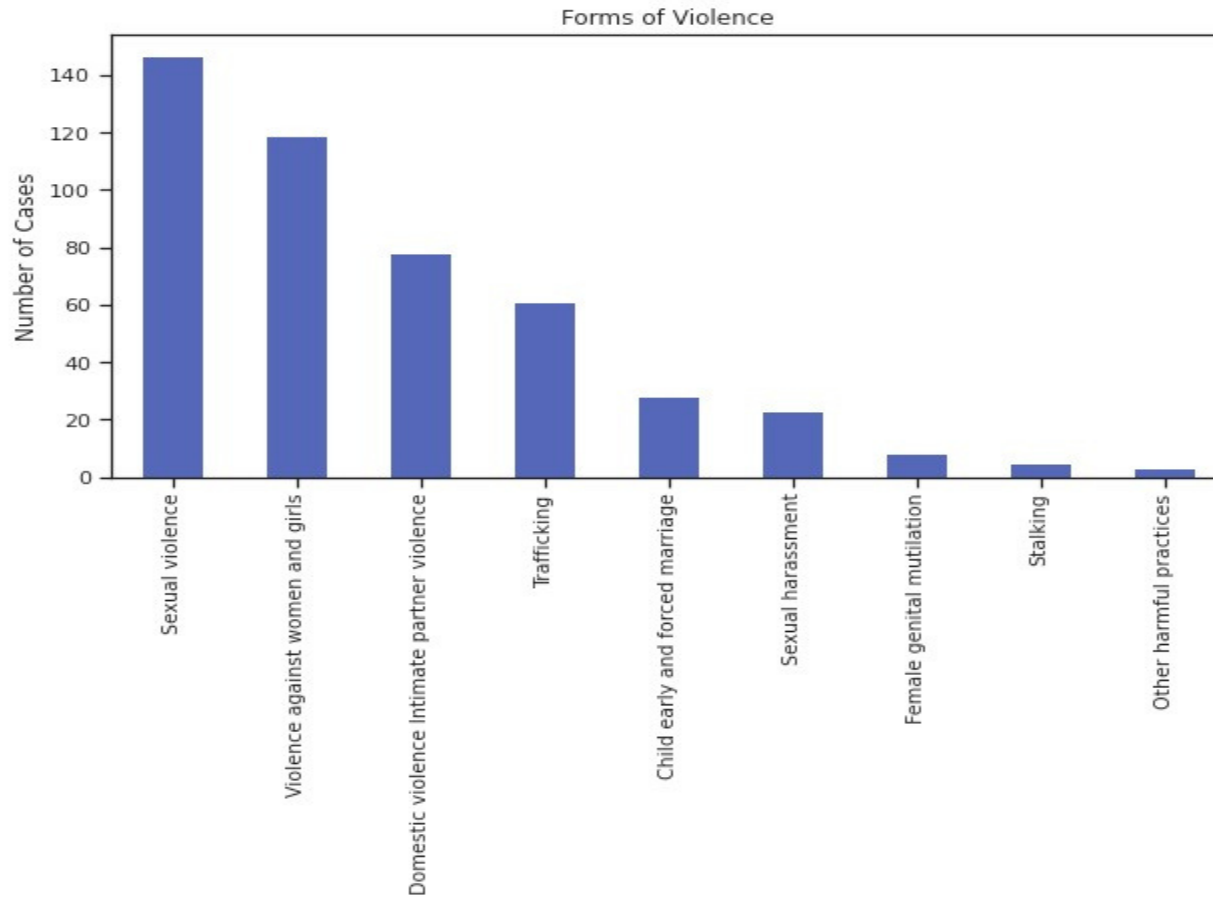


Figure1: Different forms of violence



II- DATA EXPLORATION

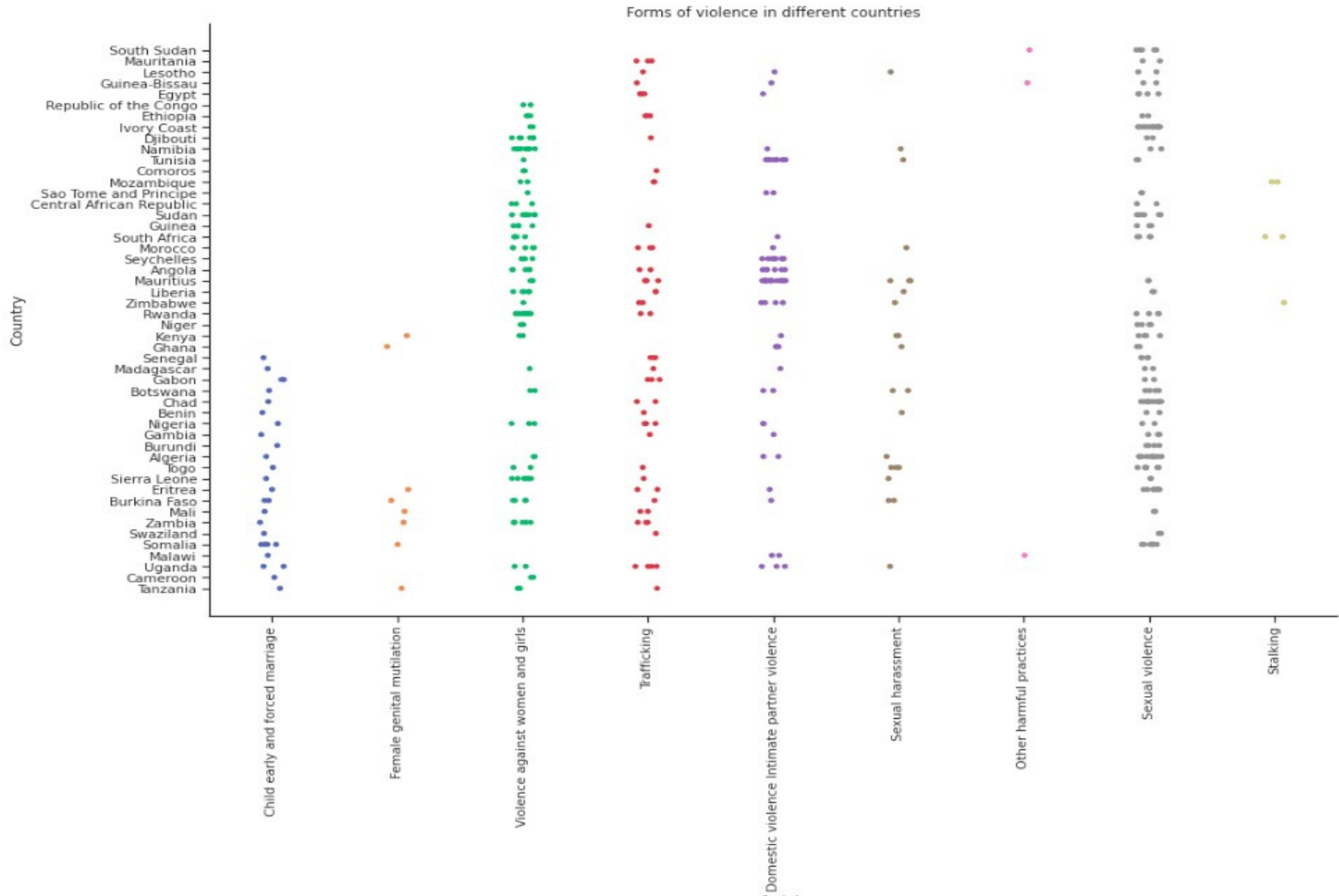


Figure2: Different types of violence observed in different countries

II- DATA EXPLORATION

For example consider the case of child early and forced marriage .

Percentage of women aged 20-24 who were married before age 15

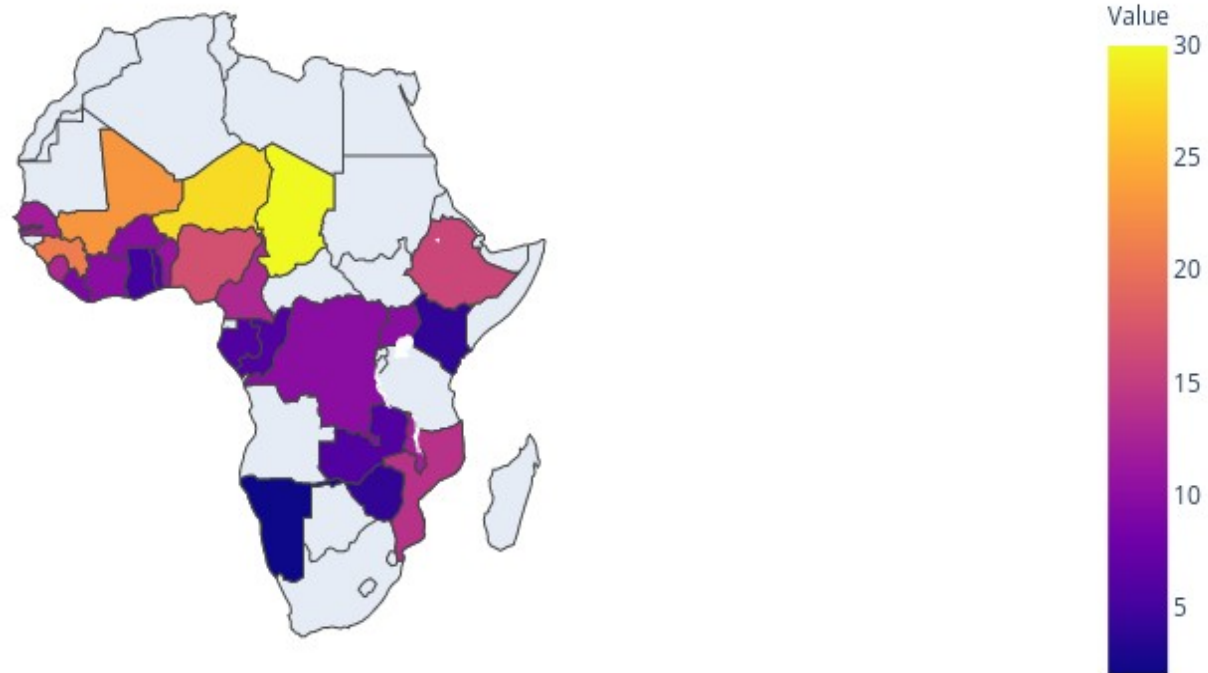


Figure2: Different types of violence observed in different countries

II- DATA EXPLORATION

To better understand the data, we explore some tweets and below are some of common words .

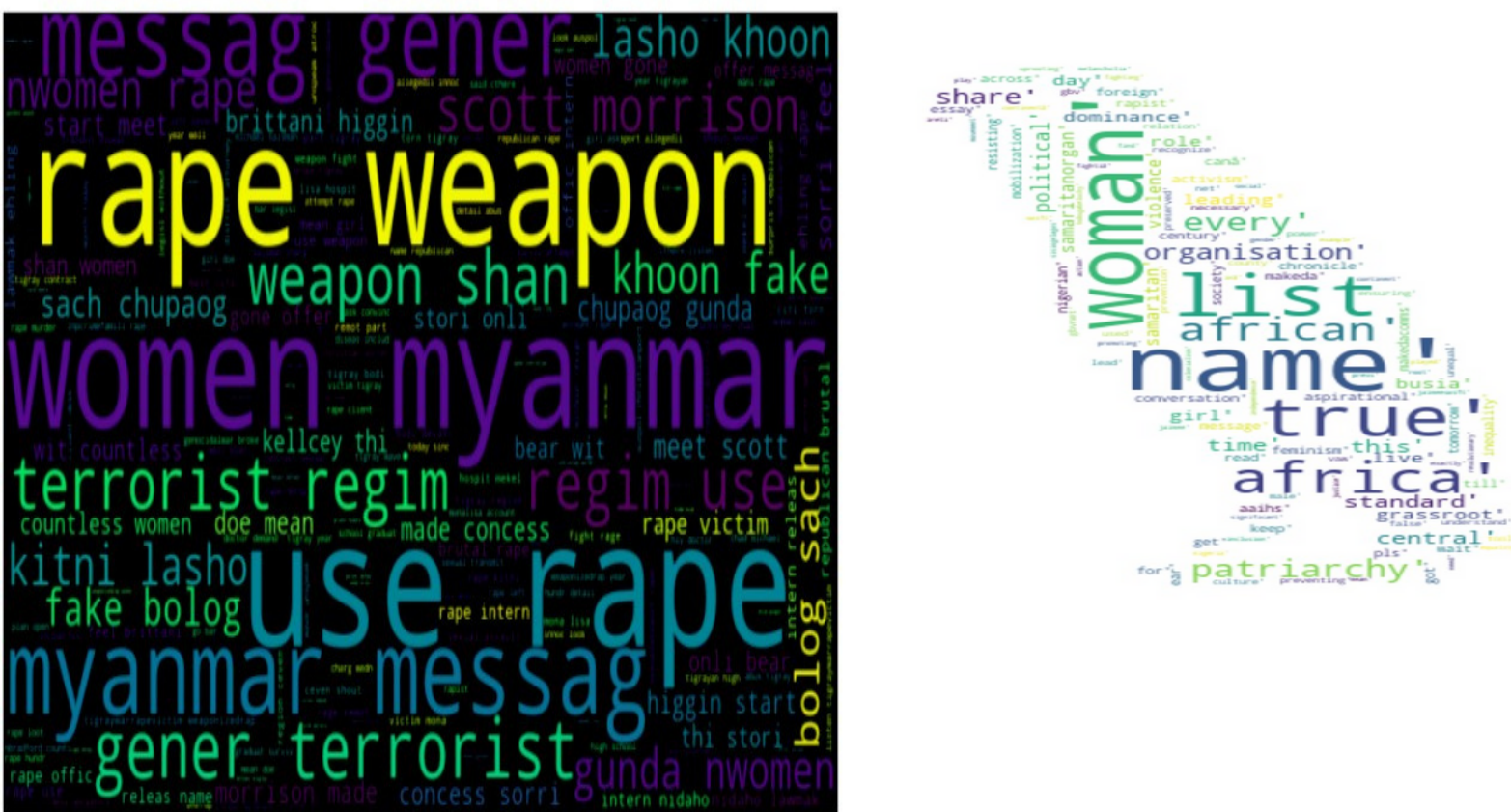


Figure3: Word cloud

II- DATA EXPLORATION

Sentiment Analysis

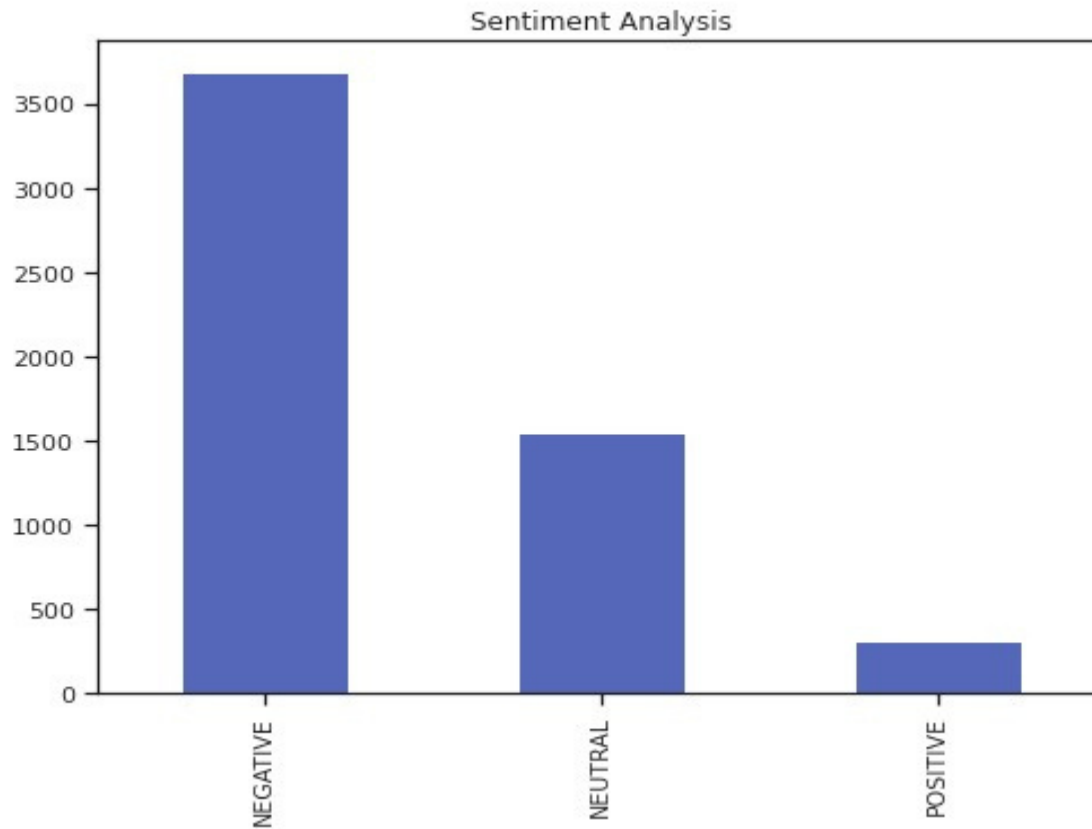


Figure 4: Sentiment type



III- MODEL BUILDING

. The next step is to build a tweets classifier, using Naive Bayes algorithm, 'SGDclassifier' algorithm and SVM.

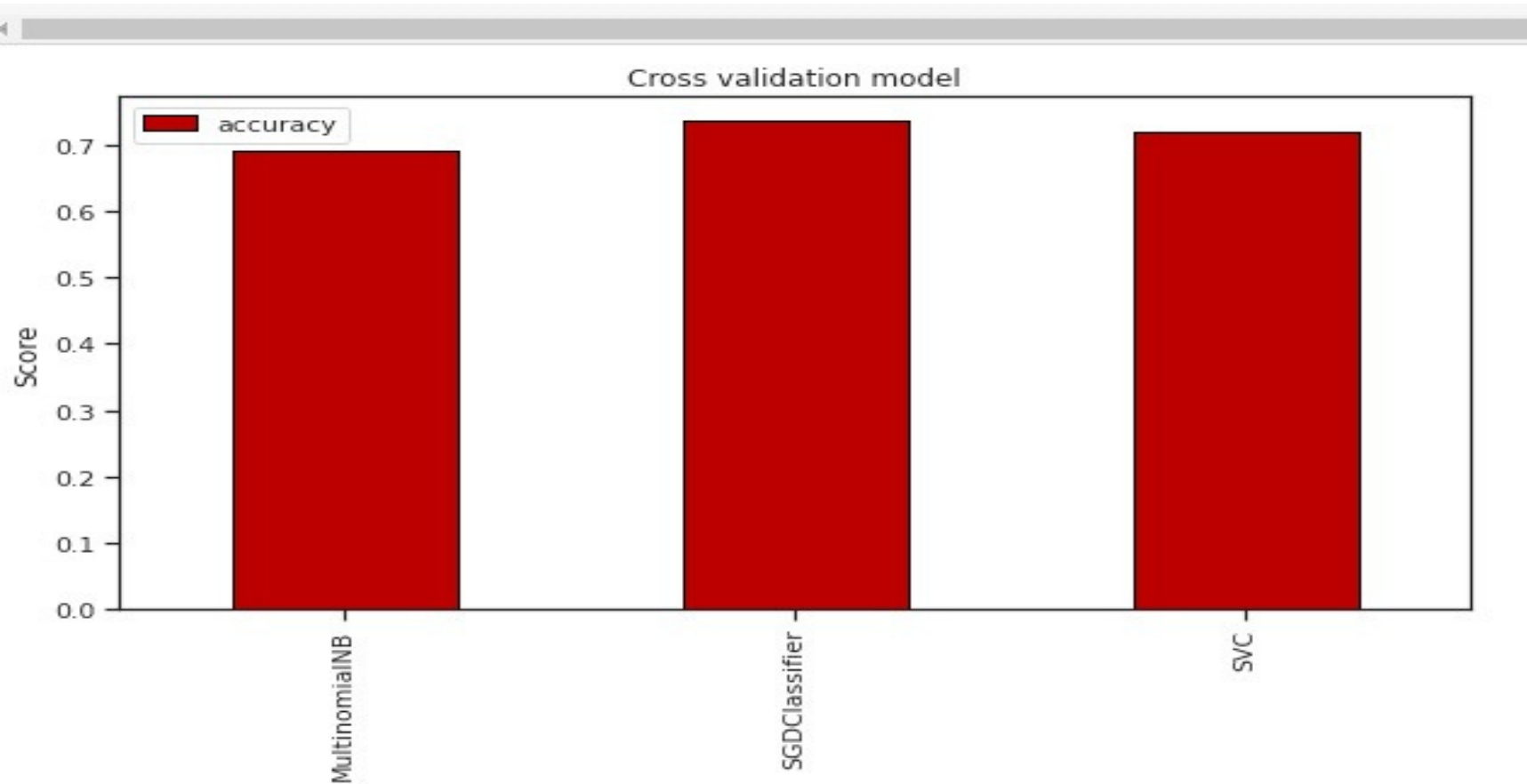
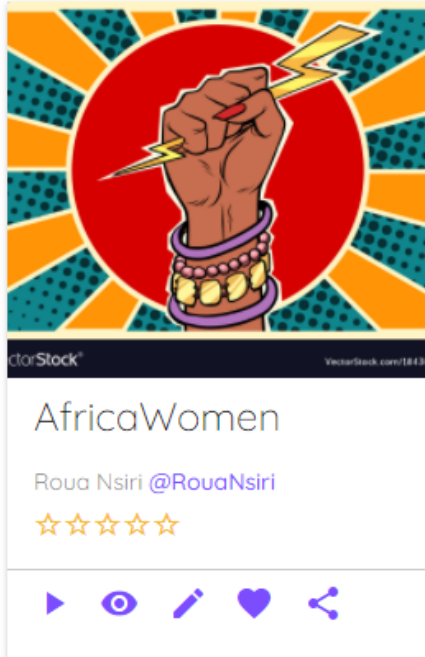


Figure 5: Different models and given score

Model Deployment

My apps



My models

UPLOAD

DELETE

<input type="checkbox"/>	Name	Versions	Description	Framework
<input type="checkbox"/>	sentiment_analyzer	1		scikit-learn

ALERT

IV- CONCLUSION

- . In all the different datasets, we see that sexual violence is the most predominant form of violence.
- . We also saw the country distributions where violence is prevalent.
- . We suggest that to curb the sexual violence in the underlying countries, investigations should be done on the causes of such violence.





Thank you !