**Hate speech and offensive language**

**ICRL-1001-22**

# **Introduction**

The aim of this project is to detect the hate speech and offensive language or hate tweets in the tweeter data.

# **Dataset**

# Kaggle dataset was used for the hate speech and offensive language based tweets detection from tweets. The link of the dataset is given <https://www.kaggle.com/datasets/mrmorj/hate-speech-and-offensive-language-dataset> The details of the used dataset are following:

# Hate speech

# Offensive language

# Neither

# **Preprocessing**

The preprocessing steps of the proposed project are following:

* TFIDF

# **Model Training**

* We have used SVM classifier for the hate speech classification. There were two variants for SVM was used here first one was labelled power set and second one was chain classifier.

# **Results**

* Got 96% accuracy on validation samples

# **AUTHOR CONTRIBUTIONS**

Umer lodhi scrored the project. Saad ahmad developed the code. Umer lodhi verified the analytical methods. All authors discussed the results and contributed to the final report. Main Documentation was done by Hafiz Abdul Rehman

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