Group Name: 8bit

Group Members:
Name: Prajesh Tejani
Email ID - prajeshtejani107@gmail.com / parthupatel467@gmail.com
Country - India
College - Technishe Universität Chemnitz
Specialization - NLP

Name - Jigar Borad
Email Id - jigarborad608@gmail.com
Country - India
College - Technishe Universität Chemnitz
Specialization - NLP

Problem Description:

The term hate speech is understood as any type of verbal, written or behavioural communication that attacks or uses derogatory or discriminatory language against a person or group based on what they are, in other words, based on their religion, ethnicity, nationality, race, colour, ancestry, sex or another identity factor. In this problem, We will take you through a hate speech detection model with Machine Learning and Python.

Hate Speech Detection is generally a task of sentiment classification. So for training, a model that can classify hate speech from a certain piece of text can be achieved by training it on data that is generally used to classify sentiments. So for the task of the hate speech detection model, We will use the Twitter tweets to identify tweets containing Hate speech.

Recommendation:

Here we can not categorize the data into different parts because these are tweets from twitter in the form of the text. So, we can not make a recommendation about which tweet we should use and which not.

But , In the dataset we have a ratio of positive tweets and negative tweets of 93:7. This can cause problems while predicting output for a test dataset. For example models can be biased over positive tweets. So we would recommend fixing this problem by upsampling where we can make this ratio 1:1 and make a balanced dataset.