

Week 7: Deliverables

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Specialization: NLP

Problem description:

The term hate speech is understood as any type of verbal, written or behavioral 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, color, 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 hate speech detection model, We will use the Twitter tweets to identify tweets containing hate speech

Business Understanding:

When we are able to detect hate speech, we can allow for automated deletion of hateful comments, thus leading to a safer space online, an increased desire to engage on our platform by users, and thereby, increased revenue.

Project life cycle along with deadline:

July 19 - Problem description, Business Understanding, Data Intake Report

July 26 - Analyze and preprocess data

Aug 2 - Featurization

Aug 9 - EDA

Aug 16 - Presentation and proposed modeling technique

Aug 23 - Model selection and building

Aug 30 - Final presentation