

Deliverables

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Problem Description & Business Understanding:

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 a 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.

Project lifecycle along with deadline:

- week 1: week of 19 March 2024 - Problem Understanding and Data Cleaning
- week 2: week of 26 March 2024 - Data preprocessing and data cleaning with different methods
- week 3: Week of 2 April 2024 - Making recommendations based on data analysis and selecting the model that will be applied after.
- Week 4: week of 9 April 2024 - Create a presentation for the past week
- Week 5: Week of 16 April 2024 - EDA presentation and proposed technique for modeling.
- Week 6: Week of 23 April 2024 - Select a base model and then try a different model and compare results.
- Week 7: week of 20 April 2024 - Write a final report for the project and make a presentation