TEAM MEMBERS DETAILS

GROUP NAME: Hate Speech Research

Name	Email	Country	College/Company	Specialisation
Kelvin Mpofu	mpofukelvintafadzwa@gmail.com	South Africa	n/a	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 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.

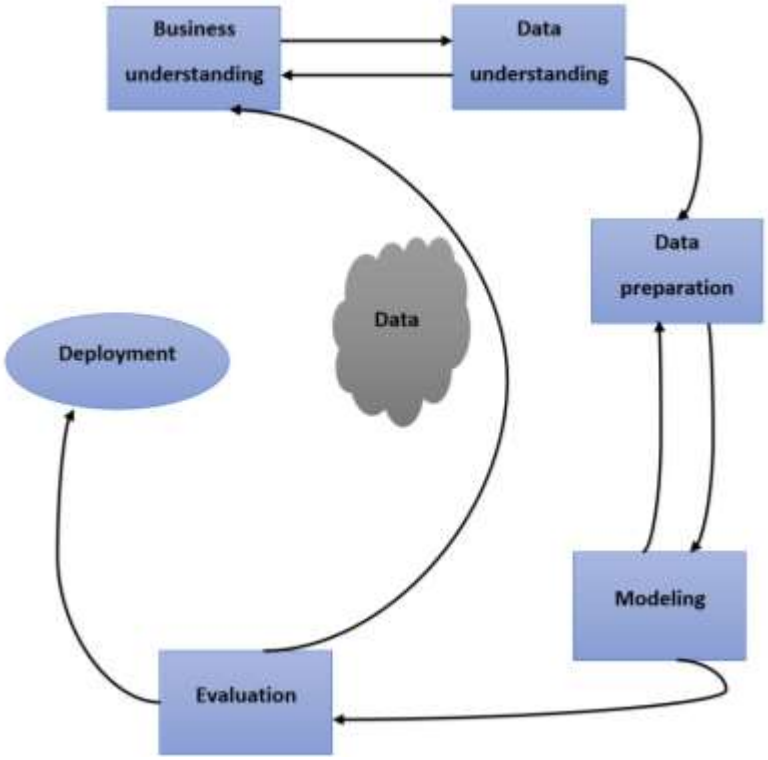
Business understanding

Hate speech can have a lot of negative impact and the ability to detect it is very crucial in the age of social media.

Projected Business advantages:

- Can improve peoples experience on social media
- Can help alleviate the negative impact on certain groups of people
- Target specific populations more effectively
- Help identify and monitor perpetrators of hate speech

Project lifecycle



The schedule below clarifies the project lifecycle, tasks, and deadlines. The deadlines are split intotwo, the first draft will be every Friday, and the official one would be on Sundays. Using Github for work and tasks sharings.

Phases	Tasks	Deadlines
Ph1. Understanding the problem	- Data understanding - Business understanding	Week7 1st draft (09/03/2021) Final (09/05/2021)
Ph2. Data preparation	- Data cleaning - Type of data - Data problems - Approaches used to overcome the problems in the data - Techniques used	Weeks 8 1st draft (09/10/2021) Final (09/12/2021) Week9 1st draft (09/17/2021) Final (09/19/2021)
Ph3. Model planning	- Exploratory Data Analysis (EDA) - EDA performed on data - EDA recommendation	Week10 1st draft (09/24/2021) Final (09/26/2021)

Ph4. Model building **Ph5.** Communicate results	- EDA presentation for business users - Linear model - Ensemble - Boosting - Findings are shared with the stakeholders - Ppt presentation	Week11 1st draft (09/01/2021) Final (09/03/2021) Week12 1st draft (10/08/2021) Final (10/10/2021)

DATA INTAKE REPORT

Name: NLP – Hate Speech project

Report date: 09/02/2022

Internship Batch: LISUM02

Version:1.0

Data intake by: Hate Speech research

Data intake reviewer:<All group members>

Data storage location: github

Tabular data details:

Total number of observations	49 159
Total number of files	2
Total number of features	3
Base format of the file	.csv
Size of the data	1,55MB, 3MB