Hate speech detection

Description

Over the last decades, people are getting more engaged with the wide spread of social networks. Social media open up the chance for people to express and share their thoughts extensively and in a real-time manner. However, cyberspace is not always safe,it can be a reason for the spreading of aggressive and harmful content.As online content continues to grow, so does the spread of hate speech. For this reason, there is a demand for automatic detection of hate speech. The challenge is to create a ML model that detects hate speech.

Data guide

The data are stored as a CSV file. It contains 7 columns :
column :

count : number of CrowdFlower users who coded each tweet (min is 3, sometimes more users coded a tweet when judgments were determined to be unreliable by CF).

hate_speech : number of CF users who judged the tweet to be hate speech.

offensive_language : number of CF users who judged the tweet to be offensive.

neither : number of CF users who judged the tweet to be neither offensive nor non-offensive.

class : class label for majority of CF users.

- 0 :hate speech,
- 1 :offensive language,
- 2 :neither

Tweet : Text.

Technical specifications

1. Please add some explanation of the results.
2. You should split your dataset into a **train**, **dev** and **test** with a ratio of **60/20/20** after shuffling using the random_state = 42 parameter so we all get to work with the same subsets.
3. Once you finished please send us your HTML version of the notebook .
4. The result of each treatment should appear in the notebook.
5. We will choose the winner according to the accuracy of the model submitted.
6. The notebook **must be well commented and presented**.