

Assignment 2: Toxic Comment Classification

(Extract from Get the data from: <https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge>)

The threat of abuse and harassment online means that many people stop expressing themselves and give up on seeking different opinions. Platforms struggle to effectively facilitate conversations, leading many communities to limit or completely shut down user comments.

You are tasked with building a model that's capable of detecting different types of toxicity like threats, obscenity, insults, and identity-based hate. You'll be using a dataset of comments from Wikipedia's talk page edits.

What is expected of you

- Create Teams of 5. Post your team on the Sabudh whatsapp group
- Get the data from: <https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge>
- Build models
 - You must compare at least three machine learning algorithms
- Evaluate your work
 - Learning algorithms must be compared using Cross Validation or Bootstrapping
 - Model accuracy must be presented using a confidence interval
 - Models must be compared using t-test.
- Hyper parameter tuning is a plus.
- Deploy your favourite model as a RESTful api

Deadline

- You are expected to present your results in a Powerpoint presentation on Thursday the 21st of May, 2020 at 8a.m. on Zoom.
- Code to be delivered prior by 11:59pm on 21st of May, 2020

You will be marked on

- The accuracy of your final model
- The quality of your presentation
- The quantity and quality of work undertaken
- The quality of your code