

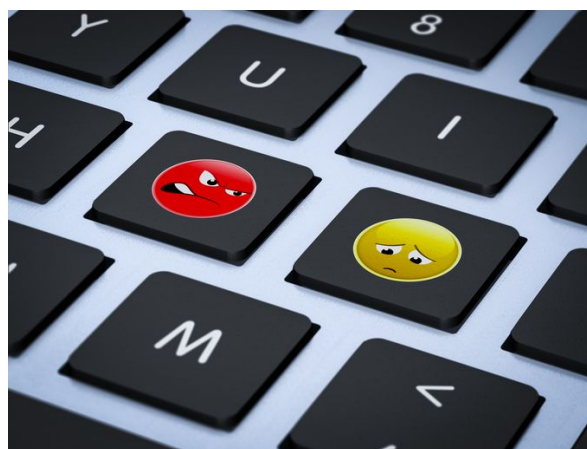
Analysis of Unstructured Social Media Data to Identify Cyberbullying Attempts

Project description

Approximately 200 million of children and adolescents are being cyber bullied around the world due to the surge of technology such as the internet, mobile devices, and social media. Teenagers are quite disturbed by the negative posts/comments they receive online (e.g. Twitter, Facebook) which cause consequences such as mental health, drop in academic performance, and anti-social behaviour.

This project aims to develop intelligent solution that can complement traditional approaches like manual monitoring. Due to the massive amount of unstructured data (i.e. text, video, images) generated by social media, this project explores the use of Natural Language Processing (NLP) and Machine Learning techniques to build computational models that could:

- Detect and predict cyberbullying attempts using language analysis and machine learning
- Combat against cyberbullying



We have a number of other PhD projects within the area of large scale unstructured data analysis such as datasets from Massive Open Online Courses (MOOCs), aiming to improve learning and teaching processes in online learning.

Student attributes

- You might have knowledge or interest to learn NLP and machine learning
- You might also have an interest in working with large scale datasets

More Information

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