Introduction to Data Mining Project Report

Cpt\_S 315

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Toxic Comment Classification

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**1.0 Introduction**

Discussing topics in any sort of online format can be challenging, for many different reasons. The threat of conversational toxicity is an issue that can lead people to no longer feel comfortable, out of the fear of aggravation and abuse online. This is a common problem in online video games and forums, where the ability to “hide behind your screen” allows malicious users to leave these comments, without risk of repercussion. The goal of this project is to use Machine Learning algorithms to train a model to identify toxic behavior in comments. This could be used to discourage those hostile users from posting potentially toxic or hurtful messages, allowing positive, civil discourse to occur.

The goal of this project is to implement a few different algorithms – specifically – to find the best approach to classifying toxic comments. Through the project, we will evaluate and analyze the effectiveness of the different algorithms.

The motivation behind this project

2.0 Data Mining Task

3.0 Technical Approach

4.0 Evaluation Methodology

5.0 Results and Discussion

6.0 Lessons Learned

7.0 Acknowledgements

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Appendix 1 Python Code Modules

[python code goes here]