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Abusive Comments Classification in Social Media Using Neural Networks



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Abstract Social media is progressively exposed to issues of damaging conduct, for example, private assaults and cyberbullying. It is troublesome and time consuming to manually check which of the comments need to be blocked. Therefore, automating the process of identifying the abusive comments and blocking them would not only save time, but also provide safety to the users. Our project focuses on solving this problem by using deep learning technique. The Twitter dataset is used to train the model. The comments are classified as abusive and non-abusive using convolutional neural network (CNN) model. This project is thus able to detect and moderate abusive content on social media automatically.

Keywords Social media · Deep learning · Convolutional neural network · Abusive comment

1 Introduction

Deep learning is a field of machine learning concerned with algorithms inspired by the structure and function of the brain called as artificial neural networks. The deep learning algorithm [1–3] consists of models that are composed of multiple processing

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