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Detecting and Filtering Twitter Spam using Advanced Language Models

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Abstract: *Online social networks (OSN) are rather widespread nowadays and among the most engaging media to distribute, share, communicate, and exchange several kinds of information including text, picture, audio, video, etc. Connected people in the blog or networks clearly see all these publicly published materials, and they have a great social impact in human thinking. Posting or comments on certain public or private places known as walls could include sensitive information or pointless statements. Therefore, information filtering can be quite important in online social networks and used to provide users the means to arrange the messages produced on public areas by excluding undesired words. In this work, we have presented a method using information filtering to let OSN users directly control publishing of comments on their walls. The filtered wall will intercept every message the user posts and applies Filtering and Black List Rules to the message. Should black list rules and filters not break anything, the message will show up on user walls.*

Keywords: Collaborative Filtering, Demographic Filtering, Content Based Message Filtering