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**Using Affective Computing and Sentiment Analysis to Show
Emotions in An Article**

A Dissertation by

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Abstract

In the current day and age every person young or old reads news. Any person who reads a newspaper, article or obtain information will feel emotion (unless the piece of information is completely unrelated to them), doesn't matter what kind the person will feel emotion. This emotion can change a person no matter how small the emotion the person felt is the person will have a change in behaviour. This change in behaviour can affect the person day and the people around. The change in behaviour may be small and negligible but sometimes it may not. This research is aimed at this area, it is allow a person to know what kind of emotion will be felt when reading a piece of information and make the person guess whether he or she should keep on reading or move onto another article as if the information piece is bad it may or may not ruin the person day which will put him into a bad mood which will affect the people around him. The proposed approach is to use sentiment analysis and affective computing to check the emotion of the information being read then allow the user to skip that piece of information if he/she desires so that user will know when reading this she will have a negative or positive mood. It uses a hybrid model and a plugin in the front end. The plugin will send back the needed data and feed it to the hybrid model. The hybrid model has six different types of emptions which can be displayed to the user.

Keyword: Machine Learning, Affective Computing, Sentiment Analysis, Emotional Analysis, Natural Language Processing