Working Title

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Abstract

This section will contain an abstract once we have confirmed the nature of our project. This is placeholder text to confirm that the two-column format is working.

1 Introduction

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2 Task Description

The primary task of this project is to implement a regression model to predict the degree of humor of brief news headlines, using data from the Humicroedit data set. This data set contains the text of news headlines in which one word has been edited to change a serious headline into a humorous one. All training instances contain the full text of the headline, the word that was replaced, the new word that was put in its place, and a decimal score between 0 (not funny) and 3 (very funny), obtained by taking the average score given by five human judges. The description of this task and its dataset can be found here. (Hossain et al., 2019)

The adaptation task we plan to complete is to apply a similar model, trained on both the original and edited headlines referenced above, to tweets. The goal is to predict the humor content of tweets according to the same scale and, by employing a time-series clustering algorithm, explore the correlation of the frequency of humorous posts on social media to certain periods of time.

3 System Overview

4 Results

5 Discussion

6 Conclusion

References

Nabil Hossain, John Krumm, and Michael Gamon. 2019. "president vows to cut <taxes> hair": Dataset and analysis of creative text editing for humorous headlines. In *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long and Short Papers)*, pages 133–142, Minneapolis, Minnesota. Association for Computational Linguistics.