Classification of Optional Pratical Training (OPT) comments using a Naive bayes classifier

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ABSTRACT

This paper aims to classify the optional practical training comments using a naive bayes classifier. We demonstrate the effectiveness of the Naive bayes approach and further enhance its performance using a kind of expectation maximisation algorithm. We explore how sentiments change over time, and also provide preliminary results that help in understanding how sentiments vary with ethnicity

1. INTRODUCTION

1.1 Data collection

1.2 Data visualisation/Exploratory analysis

1.3 Dataset Labeling

1.4 Predictive task

support vs oppose labels. Sentiment vs time analysis.

2. RELATED LITERATURE

3. ALGORITHMS AND MODELS TRIED FOR CLASSIFICATION

Typically, the body of a paper is organized

4. RESULTS AND DISCUSISION

5. CONCLUSIONS

This paragraph will end the body of this sample document. Remember that you might still have Acknowledgments or Appendices; brief samples of these follow. There is still the Bibliography to deal with; and we will make a disclaimer about that here: with the exception of the reference to the LaTeX book, the citations in this paper are to articles which have nothing to do with the present subject and are used as examples only.

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6. ACKNOWLEDGMENTS

This section is optional; it is a location for you to acknowledge grants, funding, editing assistance and what have you. In the present case, for example, the authors would like to thank Gerald Murray of ACM for his help in codifying this *Author's Guide* and the **.cls** and **.tex** files that it describes.

7. REFERENCES

Generated by bibtex from your .bib file. Run latex, then bibtex, then latex twice (to resolve references) to create the .bbl file. Insert that .bbl file into the .tex source file and comment out the command `\thebibliography`.

8. MORE HELP FOR THE HARDY

The sig-alternate.cls file itself is chock-full of succinct and helpful comments. If you consider yourself a moderately experienced to expert user of LaTeX, you may find reading it useful but please remember not to change it.