Reviewing Flipkart Product Comments using Methods Based on Sentiment Analysis

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Abstract: With the explosion of social networking sites, blogs and review sites a lot of information is available on the internet. This data contains sentiments and opinions about a wide variety of product features of such products. This form of opinion and feedback is crucial to the companies developing these products as well as the companies that want to develop these products better than the competitive products. Sentiment Analysis is the process of analyzing all this information, retrieving opinions about such products and services, and labeling them as good or bad. In other words, finding out whether the product is good or bad or positive or negative. The most crucial parts of any review of any particular product is the numeric rating and the description provided along with that product. In this project, we will take into consideration both these factors for product reviews to make a final decision on a classifier that is best suited for product reviews analysis. We have collected reviews based on the features that best describe the emotions and opinion for each review, we have built a feature set of 1000 features, and with this limited feature set, we will find out which classifier obtains the best result on review type data. To decide the best classifier, we perform evaluations on it, by running a wide variety of data set generators and calculating the resubstituting and generalization mistakes and errors for each classifier. We then use the mean of these findings to calculate the paired Student’s t-test to relatively compare the output of the classifiers. Based on the findings of this evaluation, we can state which is the best suited classifier for our model.

Keywords: Flipcart.

REFERENCES
[6]. A. L. Maas, R. E. Daly, P. T. Pham, D. Huang, A. Y. Ng, and C. Potts, “Learning word vectors for sentiment analysis,” in Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics: Human


