Abstract

Now-a-days the volume of opinions about products, issues, events, and politics etc. on different social, e-commerce and review sites grows very rapidly. From both opinion holder and opinion target point of view, it is very difficult and time consuming task to analyze all the reviews from this massive amount of data on the web. So, there is a need of efficient method that automatically extracts the opinions and relevant features of the opinion target from the reviews and finally generates the feature wise summary. Sometimes people may use different words to express same feature, this may produce a misperception in the results during feature wise summary generation. To avoid this, we need to categorize similar features for precise classification of opinions based on these feature groups. Therefore, our study is targeting the most important tasks of feature based sentiment analysis that are feature extraction and feature categorization. This paper is about to cover the currently available techniques in these two areas. We have also focused on least addressed area in this domain giving an opportunity to researchers for future work.
References

international joint conference on Artificial Intelligence (pp. 1310-1316). AAAI Press.
33. Jo, Y., and Oh, A. H. 2011. Aspect and sentiment unification model for online review
analysis. In Proceedings of the fourth ACM international conference on Web search and data mining (pp. 815-824). ACM.

**Index Terms**

Computer Science  
Image Processing

**Keywords**

Feature Grouping, Feature Extraction, Feature Identification, Feature Clustering, Sentiment Analysis