Abstract

Subjectivity and Sentiment Analysis (SSA) research in Arabic is still in its beginning phases regarding the research done in English on different granularities (sentence and document levels). In this paper, a simple system is proposed to perform sentiment analysis (or polarity detection) using an aggressive stemmer in the preprocessing phase followed by a Fuzzy classifier. The main focus of this paper is optimizing the preprocessing tasks for better tonality detection performance. Twitter is used as the data source because it is considered one of the hugest online dialectal Arabic microblogs repositories.

References

Orthogonal Processing for Measuring the Tonality of Egyptian Microblogs

587–591.


- Emma Haddia, Xiaohui Liu, Yong Shib (2013). The Role of Text Pre-processing in Sentiment Analysis, Procedia Computer Science, Volume 17, pages 26–32.


- Ahmed Mourad, Kareem Darwish (2013). Subjectivity and Sentiment Analysis of Modern Standard Arabic and Arabic Microblogs, Proceedings of the 4th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis, pages 55–64, Atlanta, Georgia.


- Amira Shoukry (2013). Arabic Sentence-level sentiment analysis, A Thesis Submitted to
Orthogonal Processing for Measuring the Tonality of Egyptian Microblogs

The Department of Computer Science and Engineering, AUC, Cairo, Egypt.

- Amira Shoukry, Ahmed Rafea (2012). Preprocessing Egyptian Dialect Tweets for Sentiment Mining, In proceeding of: Fourth Workshop on Computational Approaches to Arabic, AMTA.

**Index Terms**

Computer Science  Information Sciences

**Keywords**
