Orthogonal Processing for Measuring the Tonality of Egyptian Microblogs

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.

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