Abstract

Blogs are mainly posted in languages where users may not always use accurate and exact grammatically correct language and sometimes short form of the words and sentences are used. This work proposes a unique technique of opinion polarity mining from both RSS feed and stored blog posts without using machine learning and with the help of forward scanning algorithm i.e. TF-IDF[15]. The method first finds the similarity of certain blogs with a particular topic. If the blogs are closely related with a topic, the presence of opinion words and sentences
are detected in the blogs. If such sentences are found, their appearance specific meaning is extracted. A scoring technique is proposed which finally extracts the polarity of the opinionistic blog. The algorithm is tested with yahoo posts and the results shows an overall accuracy of about 79% in classifying the opinion.

References

- Kerstin Denecke, How to Assess Customer Opinions Beyond Language Barriers?, IEEE 2008
- Erik Boiy; Pieter Hens; Koen Deschacht; Marie-Francine Moens, Automatic Sentiment Analysis in On-line Text, Proceedings ELPUB2007 Conference on Electronic Publishing – Vienna, Austria – June 2007
- Paula Chesley, Bruce Vincent, Li Xu, and Rohini K. Srihari, Using Verbs and Adjectives to Automatically Classify Blog Sentiment
- Feng Jin, Minlie Huang, Xiaoyan Zhu, A Query-specific Opinion Summarization System, Prlclib IEEE (ICCI’09)
- Jeonghee Yi, Wayne Niblack, Sentiment Mining in WebFountain, IEEE 2005
- Amitava Das, Sivaji Bandyopadhyay, Theme Detection an Exploration of Opinion Subjectivity, IEEE 2009
- Malik Muhammad Saad Missen, Mohand Boughanem, Guillaume Cabanac, Challenges for Sentence Level Opinion Detection in Blogs, 2009 Eigth IEEE/ACIS International Conference on Computer and Information Science
- Malik Muhammad Saad Missen, Mohand Boughanem, Sentence-Level Opinion-Topic Association for Opinion Detection in Blogs, 2009 International Conference on Advanced Information Networking and Applications Workshops
- http://sentistrength.wlv.ac.uk/: Sentiment words database
Index Terms

Computer Science

Keywords
Opinion Polarity Mining  Blog Sentiment Detection  TFID