Abstract

In this paper, the aim is to build a hybrid Word Sense Disambiguation (WSD) technique, which is acutely focused on text associated with a certain form of visual. Natural language processing helps establish a context among the data elements that are aggregated to establish a certain meaning. Analyzing transcripts of visuals being uploaded in real-time saves resources and time required to sort content based on genres or emotions. The training data lays a foundation to rate the polarities of elements, on top of which the dictionary expands as an when new content is supplied to the apparatus. Third-party intelligence is combined with the dictionary to experience growth even when the consumer usage is idle. All these entities are mutually intertwined to ensure maximum utility and output.

References

1. Manisha Kanakaraj and Ram Mohana Reddy Guddeti, “Performance Analysis of Ensemble Methods on Twitter Sentiment Analysis using NLP Techniques,” in IEEE 9th
8. Haruna Isah, Paul Trundle, Daniel Neagu, “Social Media Analysis for Product Safety using Text Mining and Sentiment Analysis”, at the Computational Intelligence (UKCI), 2014 14th UK Workshop.

Index Terms

Computer Science  Signal Processing

Keywords

Natural Language Processing, Third-party intelligence, Training Data, Polarity, Word Sense Disambiguation.