Research papers

-part for Literature Review

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| Name of publication / Year of publication/ Conference Rank / Impact Factor | Type of Dataset / Size of Dataset / Publicly available? | Domain of Paper | Preprocessing Techniques | Model for learning / Training | Performance Criteria | Contribution | Comments / Future work |
| Identifying Purchase Intentions  by Extracting Information from Tweets / February 8, 2017 / RADBOUD U NIVERSITY NIJMEGEN / B ACHELOR ’S THESIS IN  ARTIFICIAL INTELLIGENCE | Twitter API / Web Scraper / One particular product / Not publically available / human annotator for verification | investigate if an artificial intelligence approach can  predict (from existing user created content on twitter) if someone is a potential  customer for a specific company or product | TweetNLP library / Unigram / Skip-Bigrams / Sentiment140 API / | Linear Regression / Random Forest / Naive Bayes / linear-SVM / poly-SVM / rbf-SVM / sig-SVM | precision-recall curve / | The results show that there is no algorithm that is significantly better than other al-  gorithms when Twitter data is used for classification. | investigate how important abstract features  are for the classification |
| Tweetalyst: Using Twitter Data to Analyze  Consumer Decision Process / Year? / The Berkeley Institute of Design | MarkLogic and the search API / 10,000 tweets / Amazon  Mechanical Turk | identify users at different stages of the decision process of buying a given  product | stop word removal / stemming  unigram/bigram | naïve Bayes classifier / multinomial model / Laplace smoothing | precision-recall curve | critical for us to be able to  distinguish between tweets posted by consumers as opposed to marketers | one approach which might work well would be to make a  list of user\_id of marketers on Twitter and avoid tweets from those user ids / One other direction of future work is to analyze consumer‟s tweeting behavior with  respect to different products. It would be interesting to see if people tweet differently for  different product. For example, do people ask for more recommendations when buying  a car than buying a camera? |
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