Abstract

Twitter becomes one of social networking media which is used by people to conveyed their expression with 140 characters for its maximum capacity. Expression conveyed through this twit can be a fact or an opinion. Opinion is subjective sentence that explain a person's perception of an object. In orientation detection technique, opinion can be classified into two types, those are positive and negative. The result of this opinion analysis can provide important information and benefit for someone or company. There are 2 approaches that can be used to classify opinion, they are supervised and unsupervised approach.

Unsupervised approach or semantic orientation is an opinion classification approach that does not need previous learning. There is one method that can be used for this, that is Self Organizing Map (SOM) using post tagger lexicon Indonesian language. SOM represent data into two dimension in neural network form used to train the data. Every data input will be given weight vector to calculate the similarity. The selected output is the best data (best match unit) calculated based on closest distance to the input sample using Eucledian distance formula. The advantage of this unsupervised approach is its independence learning to recognize the pattern without prior data modeling.

This final project will be performed opinion classification using SOM method to see the performance degree which is a kind of method with unsupervised method.

Keywords: opinion, classification, pos tagger, self organizing map