ABSTRACT

Facebook status information can be used to describe someone's personality, consisting of social word, positive emotions, and negative emotions. On the research of this thesis work is analyzed based on the applicants status facebook to establish a predictive learning model of the personality of the applicants. The feature extraction method of Linguistic Inquiry and Word Count (LIWC) is a transparent text analysis program that calculates the value of a word in the catagory of psychological. In the process of testing is carried out using the method of backpropagation, have classified the State data used for tarining. After the training is completed then the results of the training were tested with parameters ANN using 2,4,6 and 8 of neurons in the hidden layer. The test results are then compared to see the advantages and disadvantages of the hidden neurons. From the results of testing conducted with hidden neurons get accuracy of 84,00 % by value of the Mean Square Error (MSE) of smallest of 0,00001 in test results 3 with 70:30% data.

Keywords: classification, Linguistic Inquiry and WordCount (LIWC), facebook, backpropagation