Abstract

Question detection is the initial task of a question answering system. Question detection, the first step of a QA system has been done applying SVM, Logistic Regression, K-Neighbor classifier, Multilayer Perceptron and LSTM. We achieved best performance for SVM with linear kernel trick. For 2000 feature words we got 1.4% error rate which is best among the approaches we used for Bengali language. For LSTM algorithm we got 3.22% error rate. LSTM looks promising with large and better dataset.

References


Index Terms

Computer Science

Artificial Intelligence

Keywords
Bengali Question Detection, Bengali Question Answering (QA) System, Question Detection, SVM, LSTM.