

Title: OMG: Analyzing Sentiments of Tweets

Faculty-Sponsor: Daniel Ritchie

Abstract: Twitter is prevalent in today's society and relates closely with how people express their feelings and emotions. In order to examine these trends, we create models that classify the basic sentiment of tweets using the following different architectures: Bidirectional LSTM, CNN, combined CNN and Bidirectional LSTM, attention, and combined attention and Bidirectional LSTM. We find that architectures with Bidirectional LSTM perform better than those with CNN and that combining Bidirectional LSTM with other architectures such as CNN and attention will give our best results.