

# Sentiment Classification

Team Size: 1

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## Proposal

My project's objective is to be able to classify text into seven different sentiment categories. The data set I will be training on is the ISEAR dataset with 7516 data points. Each point has text and its associated sentiment. The purpose of creating this model is because of an RCOS project that I will be starting next semester. One of the features will be the automatic classification of sentiment in instant messaging between two people. It will be used to help in deciding how the conversation is going; which is supposed to be used for therapeutic discussions. The current planned architecture incorporates word embeddings and a convolutional neural network. The word embeddings are the encoding of the sentences into a vector space through a group of pre-trained models; I will mostly likely be using Word2vec. The vectors will be inputted into the CNN and trained on the 7 sentiment labels. Given enough time, I might try different models and compare performances.