CS 410 Team Kayak Course Project Proposal

# Project Topic: Text Classification Competition – Twitter Sarcasm Detection

1. What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.

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| **Team Kayak** | |
| Names | NetIDs |
| Kai Pak - Captain | kaipak2 |
| Karlin Dye | karlind2 |

1. Which competition do you plan to join?

**Text Classification Competition: Twitter Sarcasm Detection**

1. If you choose the classification competition, are you prepared to learn state-of-the-art neural network classifiers? Name some neural classifiers and deep learning frameworks that you may have heard of. Describe any relevant prior experience with such methods.

**Neural Network Architectures:** RNN, CNN, LSTM, Bi-LSTM, C-LSTM, BERT

**Deep learning frameworks experience:** Tensorflow, Pytorch, Keras, Fastai

**Platforms:** Google Colab, AWS Sagemaker and AI/ML tools

**Past Experience:** Have used neural networks for image classification, segmentation, and entity detection and classification.

1. Which programming language do you plan to use?

Python