

# Project Proposal: Text Classification Competition

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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.

This will be an individual project; as such, I will be the team captain. My name and NetID are at the top of this proposal.

2. Which competition do you plan to join?

I plan on joining the text classification competition.

3. If you choose the IR competition, are you prepared to learn state-of-the-art IR methods like query expansion, feedback, rank fusion, learning to rank, etc.? Name some more concrete methods or tools that you may have heard of. 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.

I am prepared to learn deep learning techniques for state-of-the-art text classification. I am familiar with Keras and TensorFlow, having used the former for time series forecasting with recurrent neural networks and the latter for various deep learning tasks. I have previously utilized TensorFlow for projects involving audio classification and computer vision. I will likely implement an RNN or LSTM using one of these frameworks for this project.

4. Which programming language do you plan to use?

I plan on using Python for this project, as both Keras and TensorFlow are Python libraries.