

Project Proposal and Team Formation Submission for Grading

Ryo Takaki

In your project proposal, please answer the following questions:

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.**

Name: Ryo Takaki (Captain)

NetID: rtakaki2

2. **Which competition do you plan to join?**

Text classification competition

3. **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**

No.	Methods	Experience
1	CNN	Through Udacity's Self-Driving Car Nanodegree and Computer Vision Nanodegree course, I have learned the basics of CNN, RNN and how to use PyTorch.
2	RNN	
3	LSTM	
4	PyTorch	Computer Vision Nanodegree course syllabus Automatic Image Captioning: <i>Combine CNN and RNN knowledge to build a deep learning model that produces captions given an input image. Image captioning requires that you create a complex deep learning model with two components: a CNN that transforms an input image into a set of features, and an RNN that turns those features into rich, descriptive language. In this project, you will implement these cutting-edge deep learning architectures.</i>
5	BERT	No actual experience with this method, but I would like to try this first just because the BERT is well-known. If the BERT is not good enough, then I will try other methods.

4. **Which programming language do you plan to use?**

Python