April Chung

NLP Project Proposal

1. Your objective – To classify the genre of a song using the lyrics of the song
2. The data you'll use – I will be scraping data from Spotify API and lyrics from MusixMatch (for the free trial, we only obtain 30% of the lyric)
3. The methodology you'll try – The methods I will try are:
   1. Latent Dirichlet Allocation for topic modeling
   2. Long Short Term Memory neural network to capture the sentiment of each song
4. The (desired) results, including evaluation metric (if any) – Since this is a classification problem, I will be using the confusion matrix to evaluate the model