1. Project Team Members: Captain - John Zhou (netid: johnkz2)
2. My free topic is sentiment analysis of NBA twitter posts. The task is to categorize tweets based on teams/players and then use sentiment analysis to see if the public opinion of them is positive or negative. I’m interested in this task because I enjoy following basketball and I think basketball fans on twitter have pretty strong views and opinions on their favorite teams/player. My planned approach is to gather tweets on a given keyword using the twitter API and then run sentiment analysis to determine the trends behind those tweets. I want to visualize the sentiment in some manner but I’m still not sure how I should approach that maybe through a webapp using React. The expected outcome is that if teams are winning and doing well they will have a general positive sentiment, while the opposite is expected for teams that are losing. I think popular teams such as the Lakers will have very divisive tweets with a lot of fans but also haters with negative sentiment.
3. Python
4. Since I’m working alone I think the workload will easily be at least 20 hours. 5 hours – Getting familiar with twitter API and gathering tweets on team/players. 5 hours – Run sentiment analysis and evaluate results. 10 hours – Create webapp or visualization of data in user accessible manner.