

Data 620: Final Project Proposal

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Project Details

This project will explore [the Twitter Search API](#) and accomplish two tasks:

1. Apply social network analysis and graph theory to a particular network cohort (NBA players).
2. Utilize NLP tools to classify and distinguish tweeting sentiments / styles among members of the network cohort (NBA players).

The goal of the project will be to identify relationships among the members of the network and determine if tweeting style has an impact on connections within the network. Our hypothesis is that tweeting styles has no impact on an individual's network compared to other parameters.

The data source will be pulled from pulling the maximum tweets allowed for up to 20 members of the network cohort (NBA players) via the Twitter API.

At a high-level work will be broken out as follows:

Task	Owner(s)
Data pull, clean-up and formatting	Ken
Social network / graph build and analysis	Armenoush; Andrew
Text mining / categorization analysis	Andrew; John
Combined analysis and conclusions	Nick+All