Project 2 Team 9: NBA Dashboard

The NBA has always been admired by Americans, so we’d like to take a deeper dive into data from the 2016-2017 Season.

There is good data on the players, where points, minutes played, and points attempted are measured. We even get to look into their salaries and the impact they have through social media. We also look at team stats, discovering the games played, attendance at the games, and the data on team wins and losses.

We are considering web scraping geographical data of the stadiums where the teams play to provide even more team statistical analysis, and do a plotly or leaflet visualization.

* We’ve began to pull together a mock dashboard of our data visualization site.
* We will pick our data sets from the Kaggle site: <https://www.kaggle.com/noahgift/social-power-nba>
  + NBA Players Stats with Salary data set
  + NBA Twitter Players data set
  + NBA Attendance Valuations with ELO data set
  + Optional: Endorsement data set
  + Optional: Web Scraping stadium locations from wikipedia: List of National Basketball Association arenas
* We will combine and clean the datasets to load into a PostGreSQL database
* We will use the SQL database and create the flask API from it
* We will read the API into JS and use Plotly and Bootstrap to create the html for our dashboard

We plan to answer how the stats of the players and teams affect attendance, the players salaries, and the social impact of the players through our analysis.