Max Wagner - Data 608 Final Project Proposal

Track and field record progression has hit a relative ceiling in recent years. The IAAF (International Association of Athletics Federations) has archives of meet performances reaching back to the 1960’s. The relevance of the data set has to do with the effect of both technology and drug use in athletics.

Ideally I would like to be able to visualize the times of athletes over time interactively with shiny. There are multiple possibilities for filtering the data; event, year, nationality, and venue. I would like to include as many possibilities as I can without cluttering the shiny app. The data set itself is fairly simple, but will require some cleaning and combining, which can be done with R using csv files. Additional platforms such as Python, Google Charts, d3, and Javascript may be used if the need arises.

The data will come from the IAAF website. One example of where it will be pulled from:  
<https://www.iaaf.org/records/toplists/sprints/100-metres/outdoor/men/senior>