Leah Lukens

Description of data set:
The data set gives offensive football player statistics from 1999-2013, including their statistics from both college and professional play. The data was found from public.tableau.com and was taken from pro-football-reference.com.

Software used:
Adobe Illustrator
Tableau
Polestar
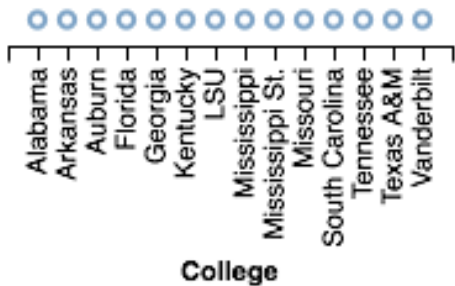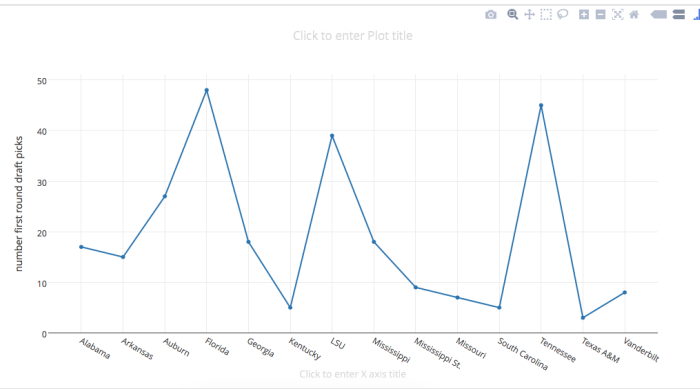Vega Voyager
Raw
Plotly
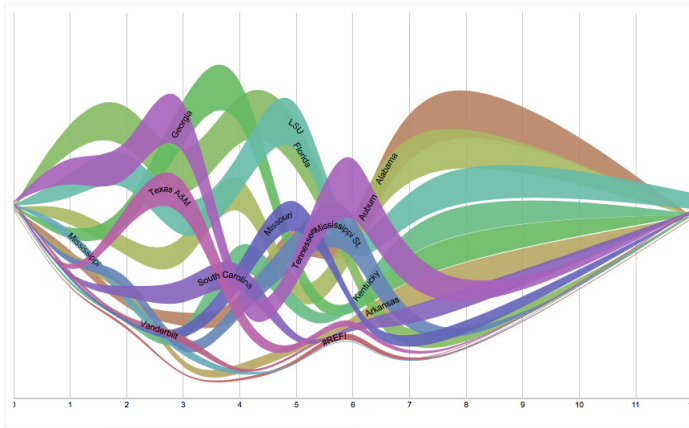Microsoft Excel

Initial question:
Which college football conferences had the most players chosen for the NFL draft?

Discovery for initial question:
Initially I attempted to drop all of my data into various online data visualization software tools, and quickly found that my data set was far too large. I quickly removed data that was not needed (player hight, weight, 40 yard dash time, etc.) in order to make the online tools read the data more easily. I found that there were too many college football conferences to visualize easily. Next, I decided to narrow down the college conferences to the 5 major conferences (SEC, ACC, Big 12, Big 10, Pac 12). I then tried to visualize only these 5 conferences and how many of their players went on to be first round draft picks, second round draft picks, etc. This was also too cumbersome. I moved on to my next question.

Graph iterations:

Final question:
Which SEC football team had the most first round NFL draft picks between 1999-2013?

Discovery for final question:
I narrowed down my data so that only SEC schools were present. I then sorted the data by round of draft pick, and deleted all players except those that were chosen in the first round of the NFL draft. This made the data much more manageable. I attempted to use online visualization tools with this data without much luck. I discovered that the online tools were not working because of how the data was formatted. I reformatted the data and was able to visualize it successfully.

Final visualization:

NUMBER OF 1ST ROUND DRAFT PICKS BY SEC TEAM

Ole Miss 18 · Georgia 18 · Auburn 27 · Missouri 7 · South Carolina 5 · Alabama 17 · Texas A&M 3 · Kentucky 5 · Vanderbilt 8 · Mississippi State 9 · Arkansas 15 · LSU 39 · Tennessee 45 · Florida 48

NFL offensive player stats, 1999–2013

Caption for final visualization:
Offensive first round draft picks from SEC football teams between 1999-2013.

Description of final visualization:
The data shown describes football teams from the Southeastern Conference (SEC) of the National Collegiate Athletic Association (NCAA) in relation to their players being chosen in the National Football League (NFL) draft. The visualization specifically shows how many first round draft picks each SEC team has had between 1999-2013. Players chosen in the first round of the NFL draft are show the most talent while playing in the NCAA as well as the most promise of being successful playing in the NFL. This data includes both Texas A & M University and The University of Missouri, even though they joined the Southeastern Conference in 2012; the data reflects only their NFL draft picks from their time in the Southeastern Conference.