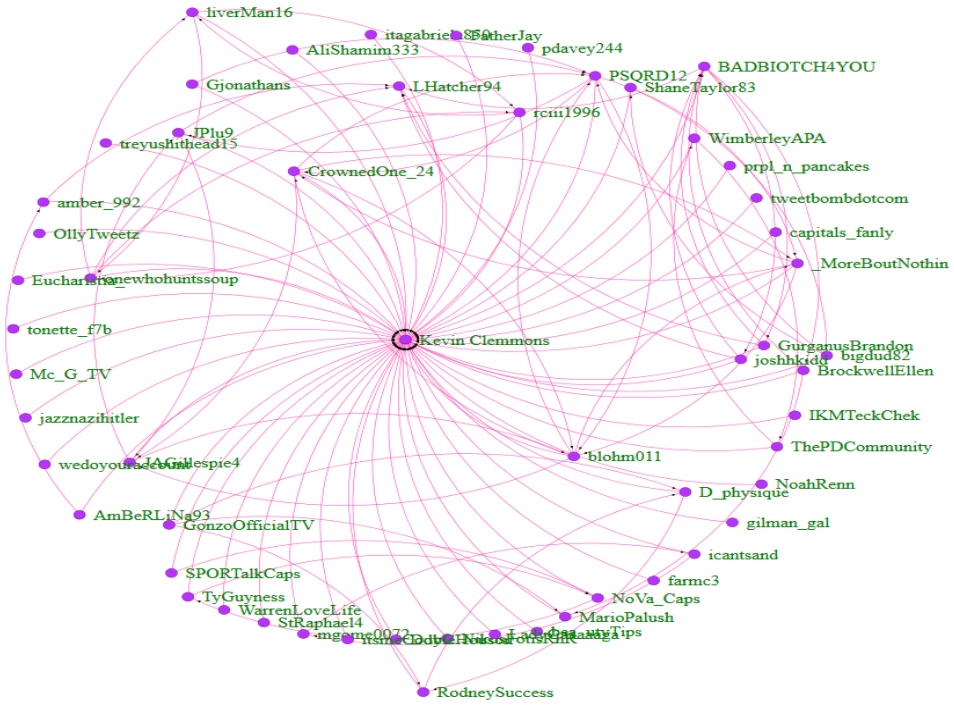
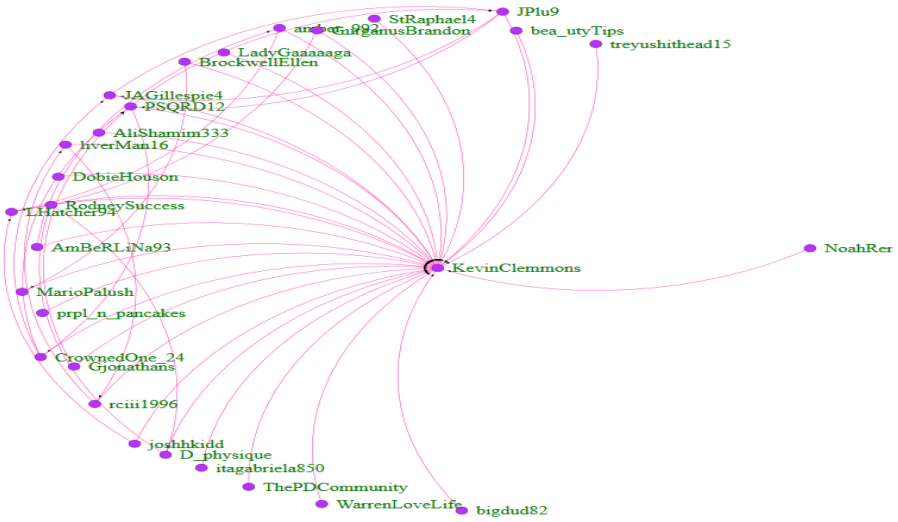
Part One: *D3 Graphing*

For this assignment I was able to extract the information from Kevin's twitter information that he posted on the email group. With the codes I will be including I was able to gain his twitter followers information and graph the graphs posted below.

*get_users.py was obtained by Kevin Clemmons



Part Two: *D3 Graphing*



To show gender homophily I used the generalizing code; with the code I got this outcome, next to each name it states whether the user is a female or male.

http://bl.ocks.org/d3noob/5141278
https://github.com/mbostock/d3
These were the websites that helped me get a better understanding of how to use D3 graphs.

Data:

JPlu9 & Jared Pluciniczak & male \ \ \hline

StRaphael4 & St Raphael & male \ \ \hline

joshhkidd & Joshua Reynolds & male \ \ \hline

D_physique & Dynasty For Life Rec & female \ \ \hline

bea_utyTips & Beauty Tips & female \ \ \hline

JAGillespie4 & Justin Gillespie & male \ \ \hline

Gjonathans & Jonathan Gustafsson & male \ \ \hline

MarioPalush & MARIO & male \ \ \hline

LadyGaaaaaga & Lady Gaga & female \ \ \hline

GurganusBrandon & Brandon Gurganus & male \ \ \hline

amber_992 & Amber Schakel & female \ \ \hline

KevinClemmons & Kevin Clemmons & male \ \ \hline

NoahRenn & Noah Renn & male \ \ \hline

rciii1996 & Robert RCIII Croson & male \ \ \hline

CrownedOne_24 & Steven & male \ \ \hline

itagabriela850 & gabriela & female \ \ \hline

treyushithead15 & trey peters & male \ \ \hline

bigdud82 & Mike Dudley & male \ \ \hline

RodneySuccess & Rodney Pickett II & male \ \ \hline

ThePDCommunity & Kevin McCarthy & male \ \ \hline

PSQRD12 & Paul Porter & male \ \ \hline

AliShamim333 & Shamim & female \ \ \hline

LHatcher94 & luke & male \ \ \hline

liverMan16 & Eric Liverman & male \ \ \hline

AmBeRLiNa93 & Amber Schakel & female \ \ \hline

Calculations:

1 Female – Female edges

32 Male – Male edges

12 Female – Male edges

= 45 edges total

A = 1/45 = 0.222

B= 32 edges / 45 edges = 0.711

C= 12 edges / 45 edges = 0.266

2 X AB = 0.316 > 0.222

With this outcome, it concludes that homophily does not occur in Kevin's twitter network.