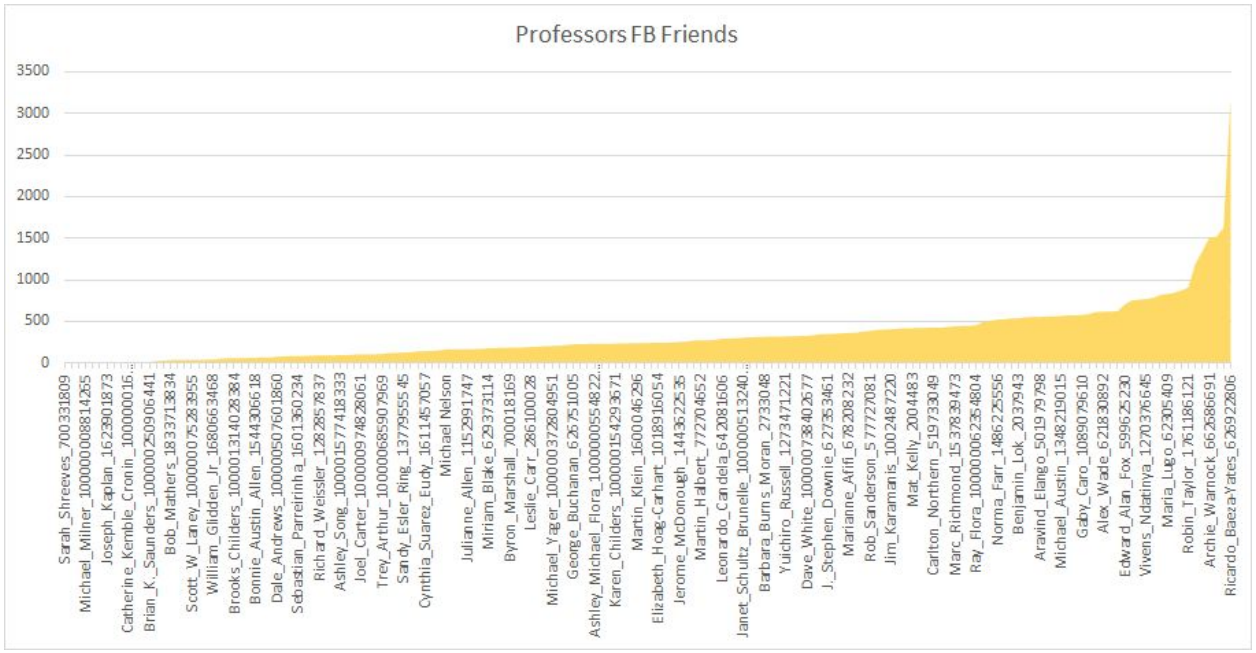
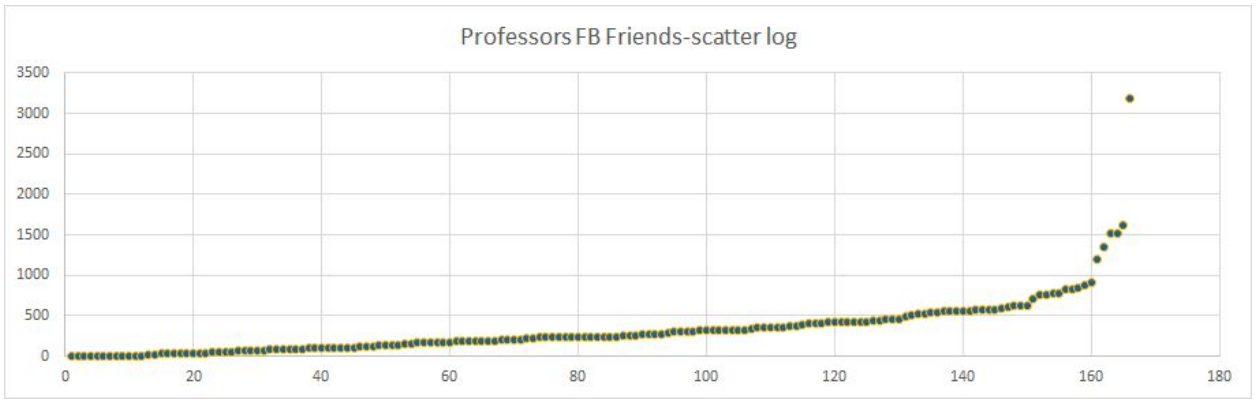
Alexander Wilson

Question 1





Average =382.5555556

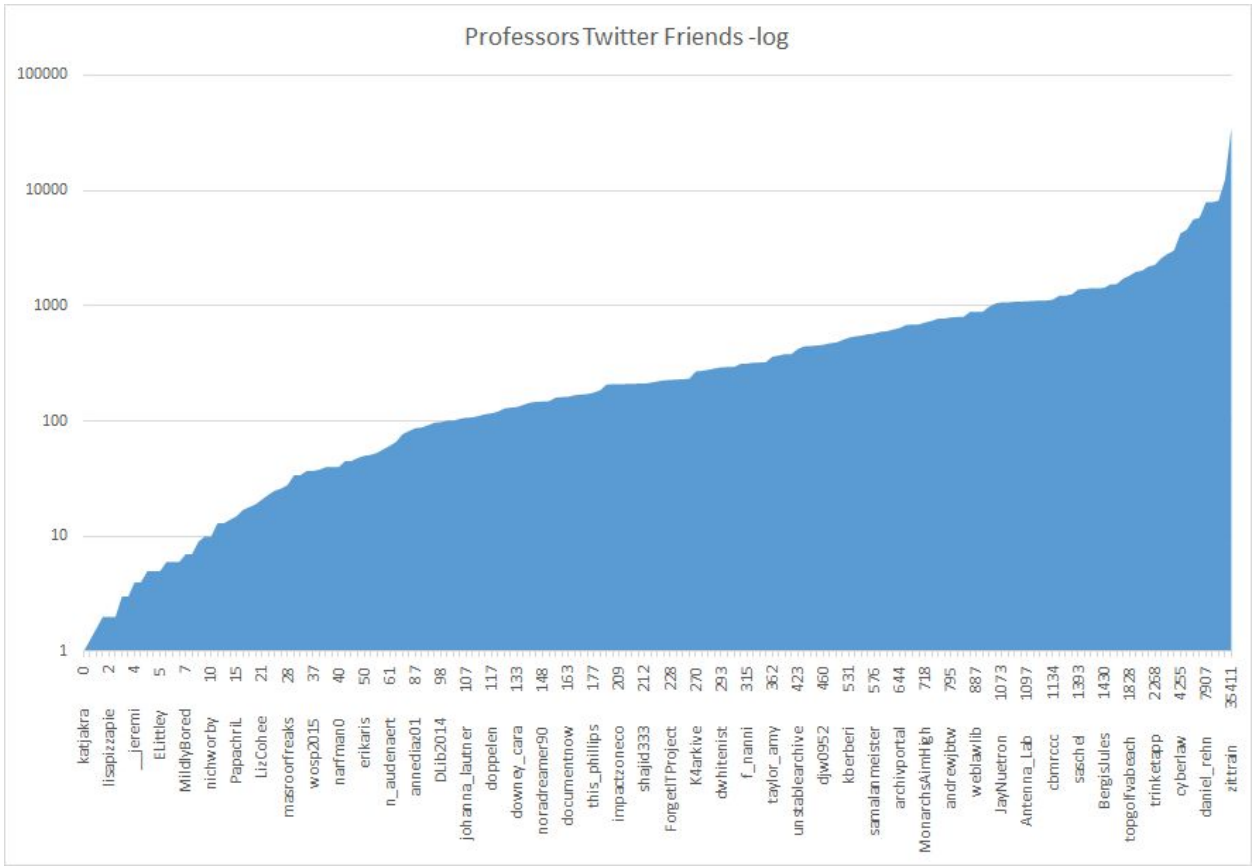
median = 243

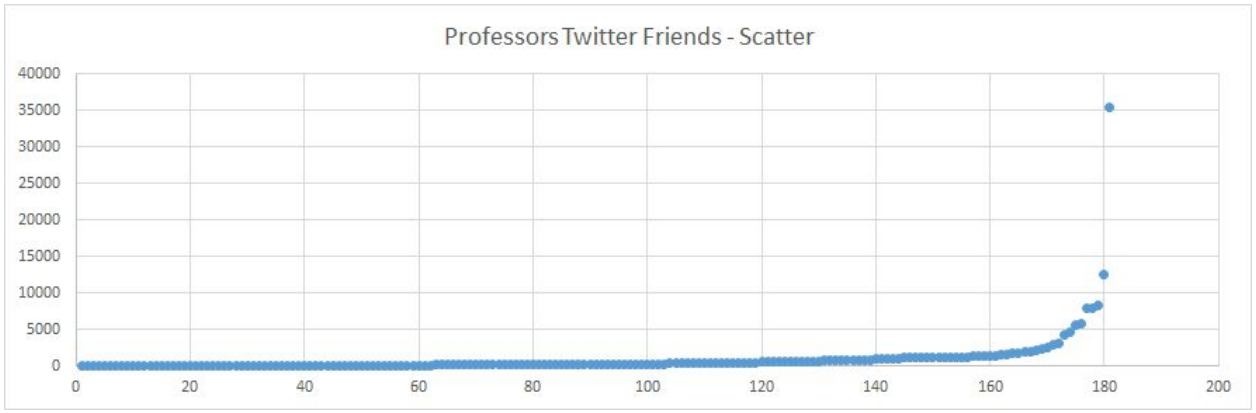
STD = 367.975566

**http://bigthink.com/praxis/do-you-have-too-many-facebook-friends

After processing all of your facebook friend data. I found that the average amount of friends your friends had was more than triple your 165 friend group. It appears that the paradox holds true for your facebook and mostly everyone's facebook. However the only time I could see the paradox not holding true would be for an outlier account with exponentially more friends than the rest of the accounts. One of the coolest part I found about this was the fact that globally Facebook users have on average 338 friends and their median is around 200. It is pretty cool that you could sample one person's data and see how it represents the whole of facebook.

Question 2

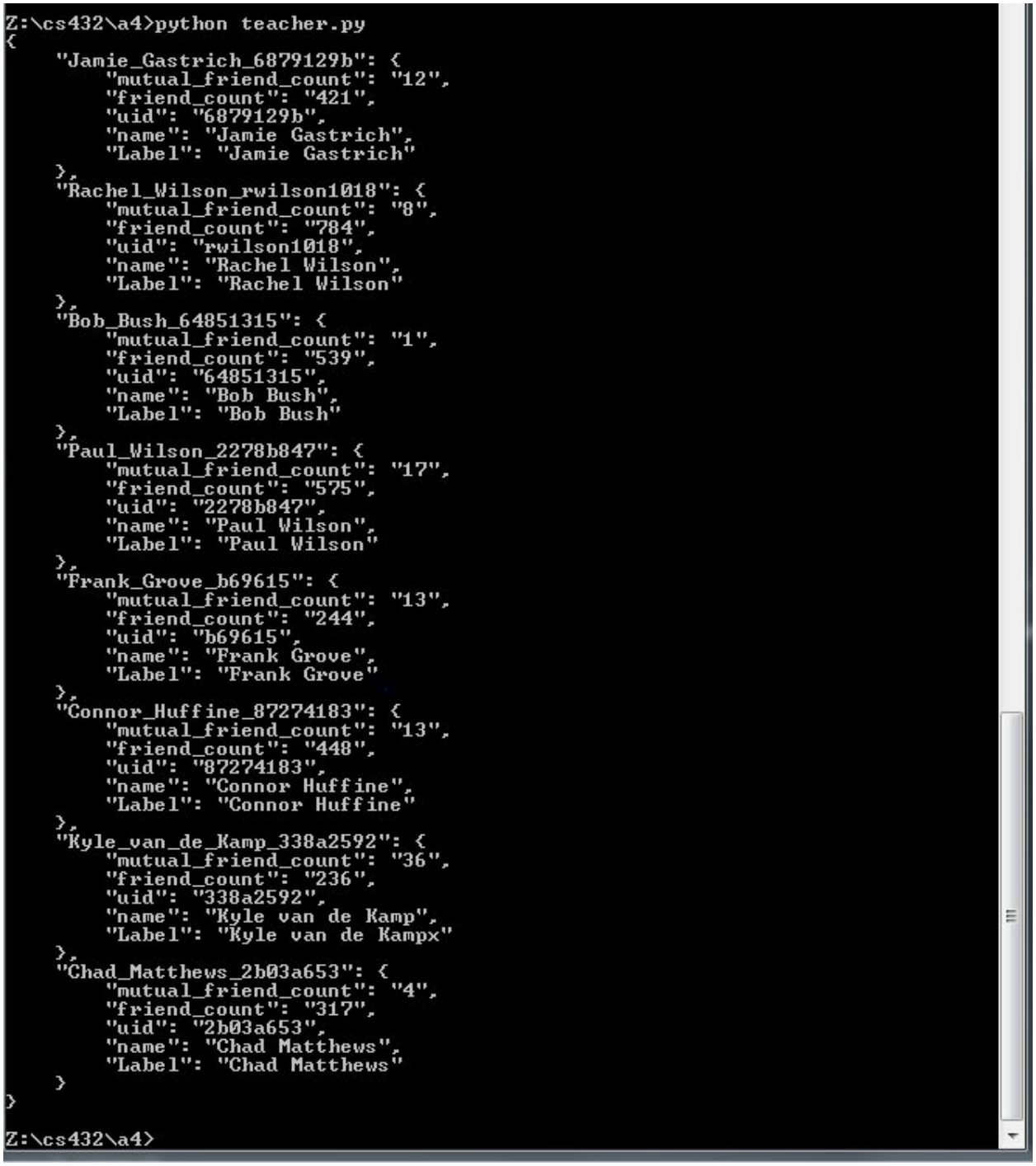




Average = 944.0828729
STD = 98.95237
Median = 221
**http://expandedramblings.com/index.php/march-2013-by-the-numbers-a-few-amazing-twitter-stats
My twitter account only has 17 followers because I did not have a twitter prior to this class. Based off your data, the friendship paradox would hold true. The average number of friends on your twitter is 944 which is larger than your 500 followers. Even when examining global twitter

follower data the median is around 200 it's apparent that the paradox is shown because of our median.

Extra Credit!!! LinkedIn
I went to linkedIn MyNetwork>Connections and extracted all 8 of my connections. After extracting the data, I took the code you posted from the email group and used it to input my linkedin data. I then manually calculated the median, average, and STD. It was cool seeing how linkedin also held true for the paradox for even my small connection group of 8 people. My average connections was 450 which is close to the global average of 400.
*http://holykaw.alltop.com/portrait-of-a-linkedin-user-infographic



236
244
317
421
488
539

575
784

Average = 450.5
Median = 454.5
STD = 186.43498