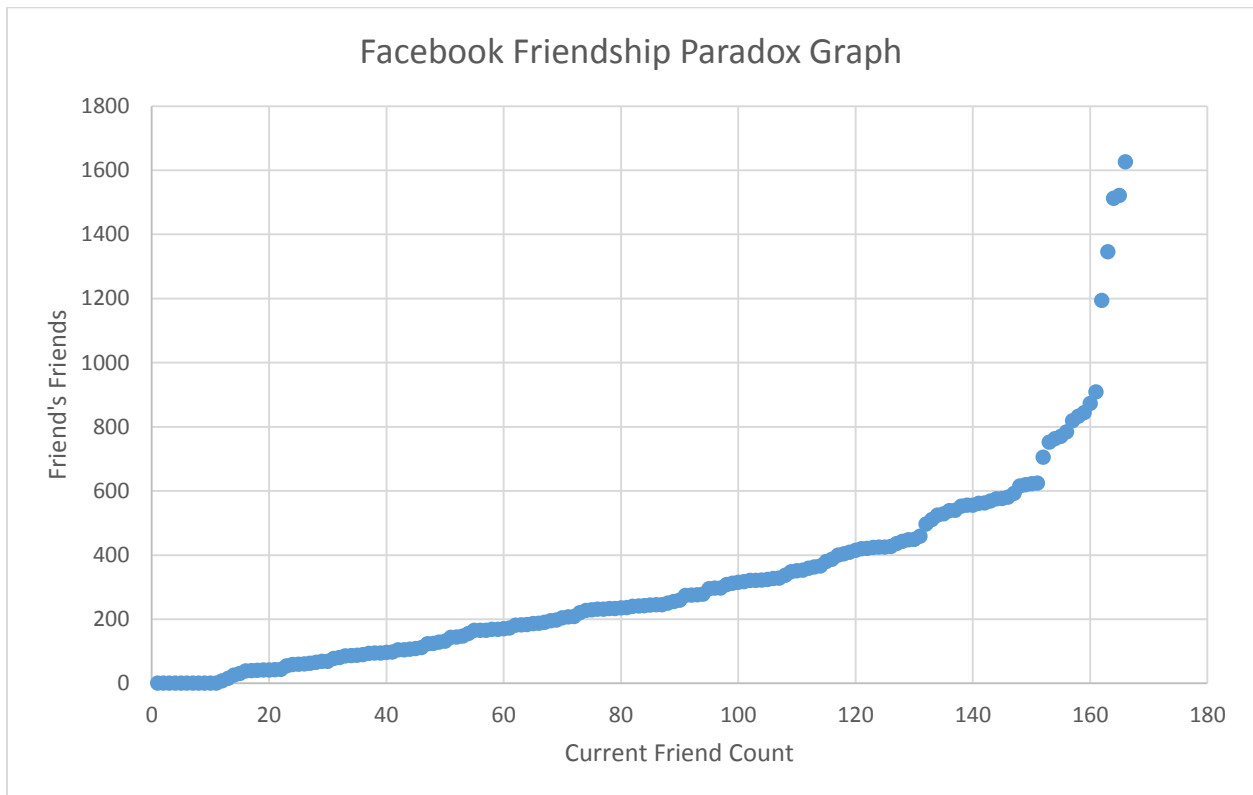**PART 1**

Facebook Friend Paradox

Based on the Facebook data graph shown below, the friendship paradox for Dr. Nelson's friends count when compared to the friend counts of his friends. The paradox would be true due them having more friends than him. Below is the graph to prove so, note that Michael Nelson is also included in the graph. As well as the required calculations below the graph.
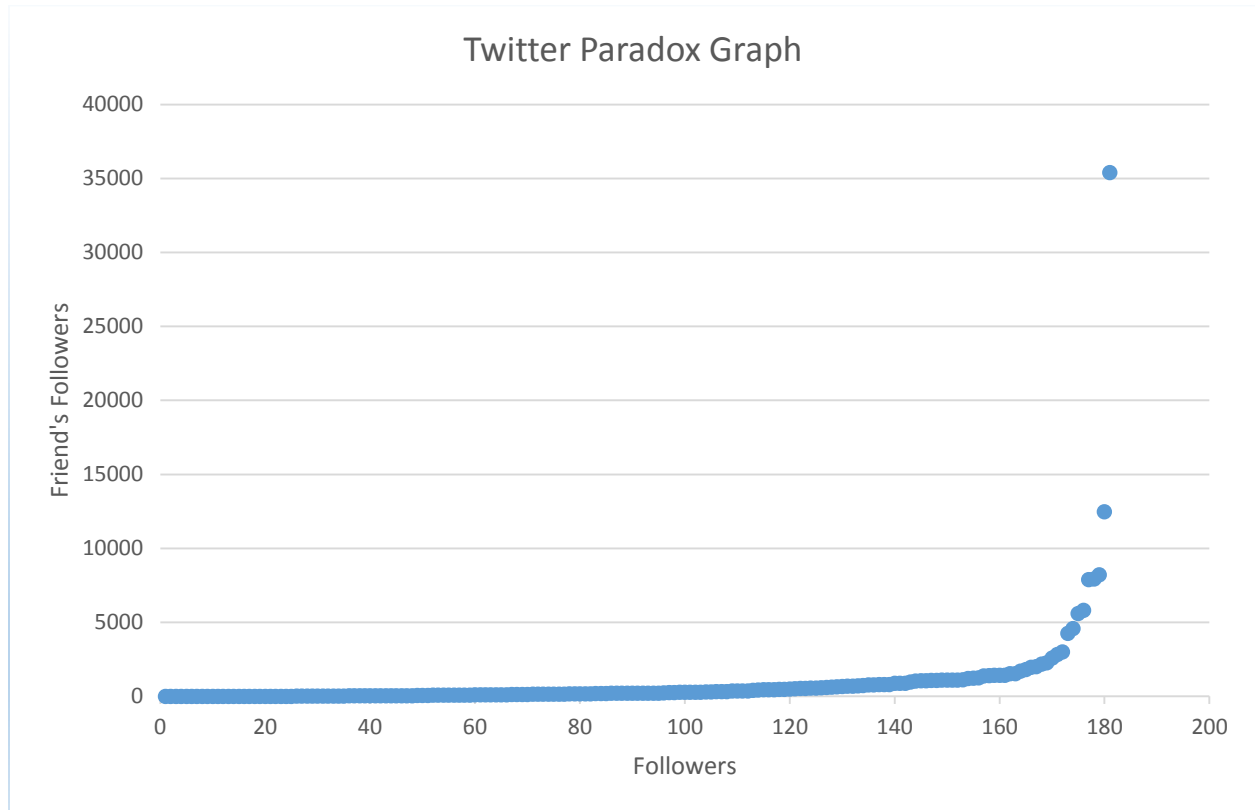

Mean: 335

Median: 244

Standard Deviation: 368.852273953

Total: 55284

PART 2

Twitter Friend Graph

Based on the Twitter data graph shown below, the friend paradox for Dr. Nelson's Twitter account is true. Seeing that most of his followers have more followers than himself. Also, note again that Michael Nelson is also present in the graph.

Mean: 944

Median: 221

Standard Deviation: 98.0255068847

Total: 170879

PART 3-EXTRA CREDIT

For the Extra Credit assignment, I had to get permission from my father to use his LinkenID account, for I do not possess one. He is moderately active in it, sufficient data was able to be acquired to produce a graph. As it is expected, his account also proves a friend paradox as well. Most of his "connections" have more connections than him. Link to his profile is provided below.

https://www.linkedin.com/in/edgar-gomez-2a122358