Gaurav Sheni CSC 222 Project 4 4/24/15

## **Facebook Interactions**

- 1. The most interacted user is 83b9c07bb77a33d9740f3bc8c30cacc066d5192d with 28 interactions.
- 2. Depending on how interactions are counted, the average could be two different numbers.

  Counting the interactions as the number of edges gives the following average: 4.10243902439

Counting the interactions as the number of edges gives the following average: 4.10243702437

Counting the interactions as two interactions for every edge gives the following average: 2.0512195122

3. There are 301 number of users in the largest subgroup.

## WFU WWW Network

- 1. The web page with the largest number of links within it, is <a href="http://college.wfu.edu">http://college.wfu.edu</a>.
- 2. The web page with the most links from other web pages is <a href="http://www">http://www</a>.
- 3. The largest cycle has a size of 148.

## **Bonus**

There is no path present from <a href="www.wfu.edu">www.wfu.edu</a> to csweb.cs.wfu.edu. This was confirmed with depth first search from <a href="www.wfu.edu">www.wfu.edu</a> as well as by using the bellman ford algorithm to find the node.