

Facebook Likes Visualization

Self-Portrait Project for Extra Credit

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Motivation

- "Like" is one of the most important interactions among Facebook friends. Conceptually, the number of likes determines the quality of the published content
- The number of likes given by one specified friend indicates how well is the relationship between the user and the given friend
- This visualization is trying to show the user the relationship overview between the user and his/her friends by ranking the friends by their likes on the user's posts.



Audience

The target audience is the users who are interested in :

1. Knowing how well is the relationship between he/she and his/her friends
2. Using this visualization result to improve the relationship among his/her friends



Research Questions

1. How to count the number of likes of a friend?

We parse only the likes only from the user's posts.

2. How to present all the friends of the user?

Use circles with profile pictures to represent friends.

3. How to visualize the number of likes of each friend?

The radius of the circle will indicate how well is the relationship.



Design & Implementation

- Design

- Use lot of circles to represent different friends
- The radius of the circles indicates the relationship between the user and this friend
- Put the profile pictures into the circle to make the visualization better

- Implementation

- Use Facebook Graph API to retrieve the data from Facebook servers
- Write Python code to process the data retrieved from Facebook servers and generate the visualization data file (JSON format)
- Use D3.js to visualize the generated data and render the webpage



Code & Demo

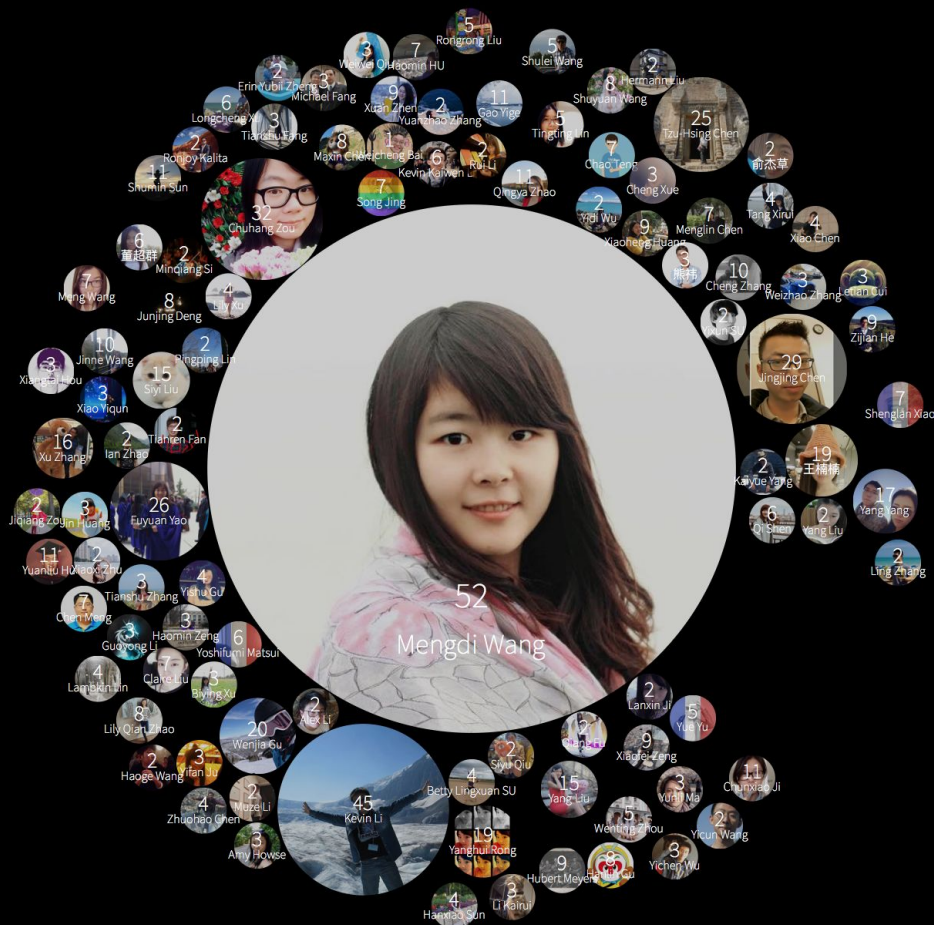
- Code, uploaded to Github.com

<https://github.com/shiloh00/CS467-extra>

- Demo, the demo web page which describe my relationship is at:

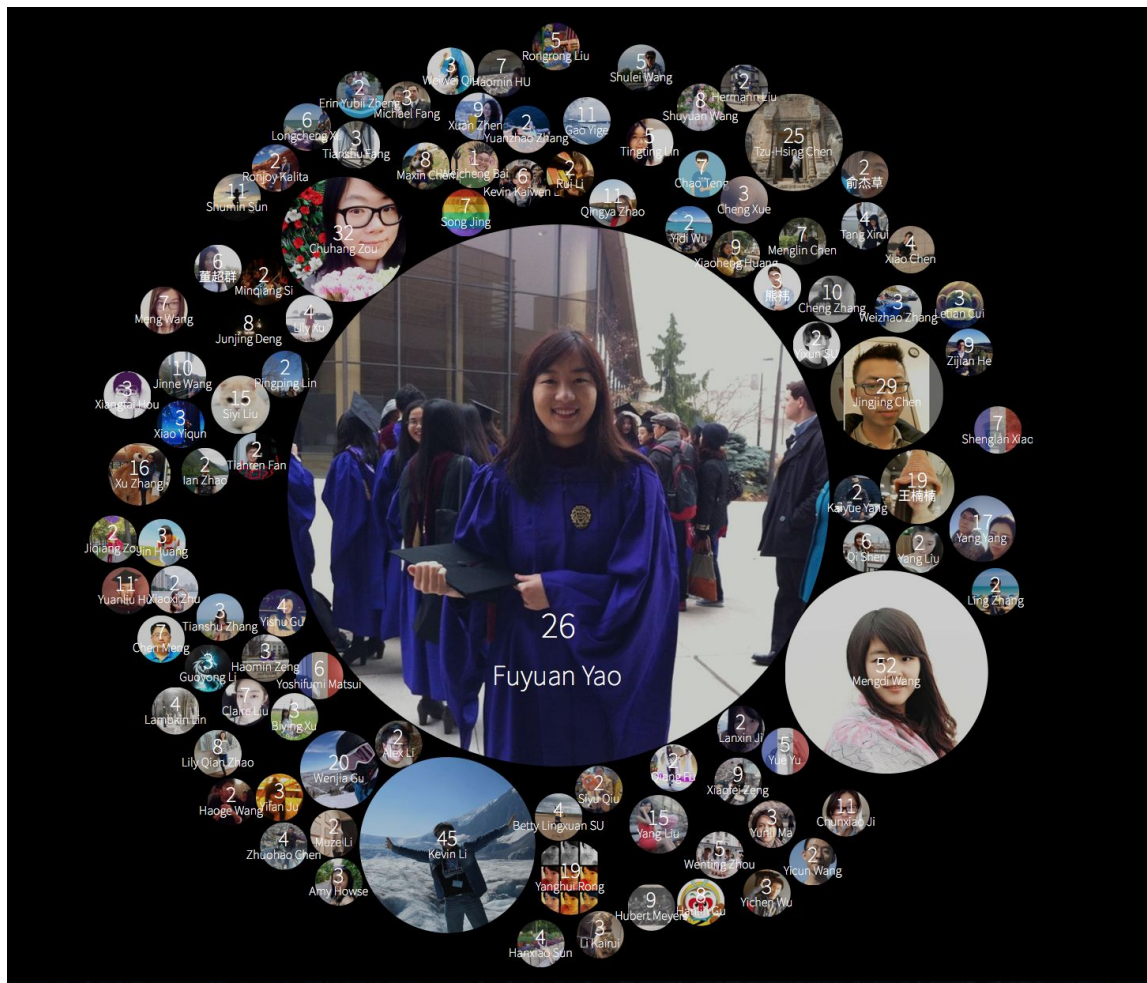
<http://shiloh00.github.io/CS467-extra/>





When opening the web page, the profile picture of the friend with the best relationship will show up in the center.

The better relationship is, the larger the profile picture is.



Select a profile picture will move this picture to the center and zoom in to help the user recognize the picture.

References

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- [4] Koroleva, Ksenia, et al. "I like it because I ('m) like you—Measuring User Attitudes Towards Information on Facebook." (2011).
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