Motivation: Throughout the papers we have been reading so far, the visualization that we have been reading emphasized on the length and the contribution to the posting to indicate the friendly rate. Not much visualization focused on how people are actually feeling about the posting. In this visualization where we name “group view” we have been inspired by the “history flow” and “chat circle” and try to adopt these two visualizations to visualize the group level discussion of posting to individual’s interaction within the newsgroup. “Group view” will provide two main functionalities where we name “group circle” and “interactive flow” where “group circle” will demonstrate the friendliness and interaction within the newsgroup. For the “interactivity flow,” this will demonstrate the how people are interacting within the particular posting and displays the context if the user wants to see. By analyzing the thread interval time to see the group interaction, and also how people are expressing their feeling with text, this will provide better feedback to the users of the friendliness and interaction of the posting within the newsgroup.

Goal: “Group view” is used to visualize the interaction level from the range of postings within the newsgroup to each individual’s contribution to one posting. By first looking at “group circle” it will display the interaction level and the friendly level. By clicking the circle, it will display the “interactive flow” which will display the interval of posting time, and the color which indicates if the user’s contribution is friendly or just normal or hostile. Our focus for visualization is to see the big scale postings from the newsgroup as a whole to small scale of each individual’s friendliness and interaction within the thread of a posting.

The deformed circle indicates that there is a tension within the thread of one posting and people are fighting over it. Also the color red indicates that users within this thread are very friendly. The color changes from white to red: hostile to friendliness. As the thread is getting...
friendlier the color of the circle will change and if there is more interaction within the thread, the circle expands.

Figure 2: After moving the mouse to the red thread

By moving the mouse to the circle, the circle will expand temporarily and displays the recent message within the thread.

Figure 3: After clicking the red circle, the “interactivity flow” will appear
If you click recent message, you will get the whole content of message appear. But if you click the circle, you will see the chart showing bunch of messages distinguished by time; the time shows how long the message took to reply to previous message, and that shows the interaction level of that particular posting with bunch of replies; as you know each post will have some replies, and if each reply comes out fast to the post, it means the interaction is quite strong regardless of how friendly each reply is. And if you click one of the time ranges, a box containing titles of replies will appear on the right side of interactivity chart, and each title contained in the box will have color corresponding to its friendliness; most red is most friendly, least red is fighting.