

**Emotions through Audio**

For this visualization, we wanted to get an idea of people’s vocal intensity as they chat through an audio medium and also how that compares with the person on the other end. We chose Skype, as this is a popular medium for people to talk with others through the Internet, for free, making it a very popular tool. Our conversations are actually recorded with a tool created in processing that records the conversation that you are having.

Our visualization is supposed to mimic a clock, to show the relationship between the time you are talking with the other users and the emotions that you show over the whole conversation.

- **Date/Time** – the clock displays one hour of conversation that you had with another user. The 1-12 numbers around the outer edge are to be like a clock. Between 1 and 2 is a representation of 5 minutes, like a regular clock. The user can click on the time represented underneath the user’s name on the right to see the corresponding clock for that time/day. If the user wants to see a different day’s conversations, they can select the calendar button next to the date. Your conversation will be shown at the time corresponding to what time you spoke with the other user. If you spoke to someone at 10:20 – 10:50, the clock would be shaded with your conversation from 4-10 on the clock.

- **Users** - all of the people who have had a skype conversation with you during that day are represented on the right side of the screen. You can change between conversations by clicking on the time represented underneath their name.

- **Piece of time/clock** – each piece of a certain color represents the user’s volume during that time. If the users are not active, that is also represented. The volume will be taken as an average over a certain small period of time, and the space of time will each have a particular color based on the volume.

- **Color of piece** – the color represents how vocal the user was being at the time. Blue represents you and red represents the other user. These two colors will be somewhat transparent so that when you combine the two onto the clock, any overlaps will be seen as some shade of purple. The more vocal a user is being, the brighter their color will be. The less vocal, the darker the color will be. We will test to find a good minimum volume, so that when the user isn’t talking but there is background noise, the color represented will be colorless.

- **Outer ring** - The outer ring of our visualization will show your average conversation. This will take data from all of your previous conversations during that hour and will be averaged out. We hope that this will show how often you are getting interrupted or how often you are interrupting the other user. The colors will be kept the same as the interior, blue representing you and red the other.