My idea is to create a visualization of the qualities of your voice. You can select either pitch or volume for the visualization. For each segment of speaking, it will show a graph with the height indicating how high your pitch/volume was over time.

In a conversation, you will have many segments of speaking. I will stack them on top of each other like PostHistory. From this, you will be able to see if you have a tendency to raise your pitch at the end of phrases, or tend to speak softer the longer you talk.

For a conversation between multiple people I will display this in small multiples, so you can see the dynamics of a group. If everyone is asking questions they will likely all rise in pitch at the end. If one person is asking questions and another answering them, that may be apparent also.