Visualizing Conversations on Cell Phone Family Plans

• Visualizing of incoming/outgoing phone calls over a family plan is critical. It allows all the family members/friends to know who is receiving more phone calls; who is calling more, who is receiving long distance calls, how is using more minutes and etc. Visualizing this information on all member’s cell phones synchronously will motivate the more talkative people to speak less, will highlight the times people speak more, less, will save money on family plan as a whole and etc.

• In addition, emotions (based on audio intensity) over the phone could be visualized. If showed over people’s cell-phones synchronously, this creates awareness as it potentially shows how your friends are feeling now. This among the people who live away from their loved one would be more helpful as it alerts their friends on their different emotions.
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• **Visualization 1:**
  - A box metaphor is used where the size of the box is the accumulative minutes in a month.
  - Call in morning left and calls after noon are to the right. (both income and outgo)
  - The Size is the length of phone call and tree layers show the tone of speech within each phone call.
  - This visualization shows 5 family members on the same plan each represented with a color spectrum.

• **Visualization 2:**
  • Here on each line one member of the family plan is shown where in the incoming calls are visualized over the line and the outgoing calls are visualized below the line.
  • The size of each part shows the time that person has spent on the phone while the intensity shows how high or low that person has been speaking over the phone.