UNDERSTANDING SOCIAL NETROWKS
THROUGH EMAIL VISUALIZATION

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Previous E-Mil Visualization:

- Each color indicates one selected contact:
  - Selection No. 1: Kate
  - Selection No. 2: Sarah

- The amount of decrease or increase is based on size of the email.
- Mood (+/-) would be selected based on content analysis of each email.
- Each email could have Positive, Neutral, or Negative mood.
- The slope of connection lines are based on the slope of previous change combining with a default attenuation slope.
Expanding Concept for Social Network Visualization

Size indicates Total volume of email sent & received

Distance to the center represents Closeness

Closeness(i) = \frac{\text{Average}[\text{CRS:\text{TO}(i)}, \text{CRS:\text{From}(i)(lock)}]}{\Delta t}

\Delta t: \text{Total time you know the person}(i) = \text{ABS(Date of last email - Date of first email) }

CRS: Current Relationship State

Contacts are also categorized into different groups to make closeness more comparable