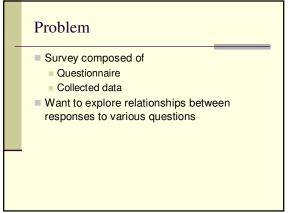
## Survey Visualization Maria Tkatchenko CPSC 533C December 15, 2004



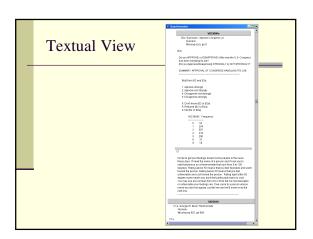
## Data set

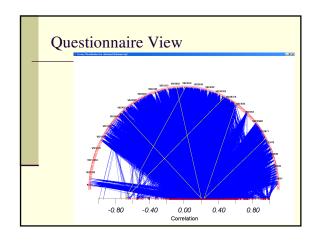
- National Election Studies center's pre- and post-election surveys
- National Center for Chronic Disease Prevention and Health Promotion Behavioral Risk Factor survey
- 1K 100K respondents
- 100s of questions (dimensions)

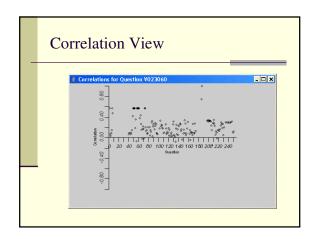
## **Statistics**

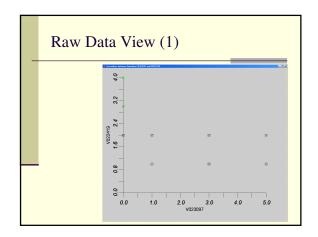
- Correlation
  - measure of "closeness" of two sets of data
  - degree to which the association of two variables approaches a linear function
  - ranges from -1 to 1
  - higher (absolute) value is better

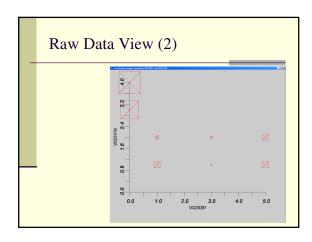
Main elements of solution

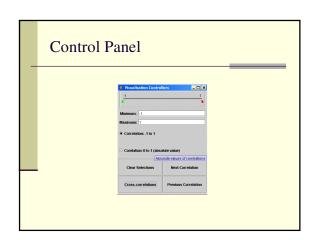


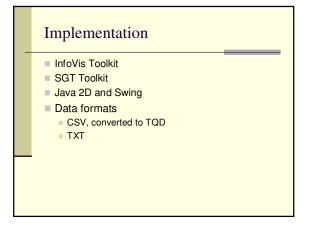


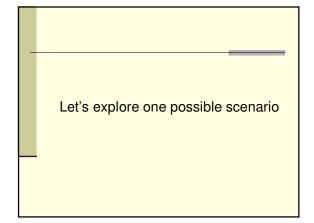


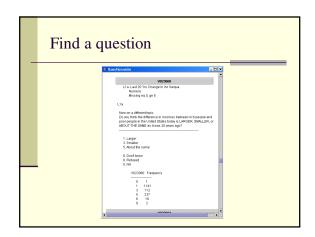


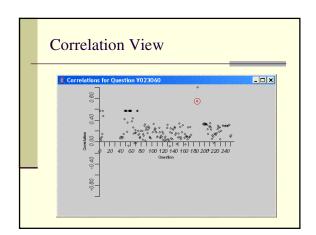


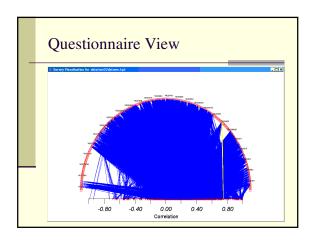


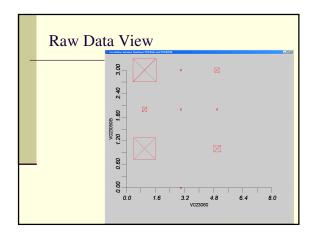


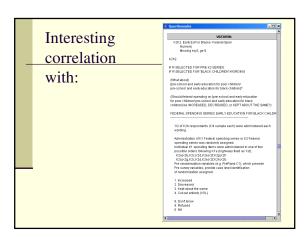


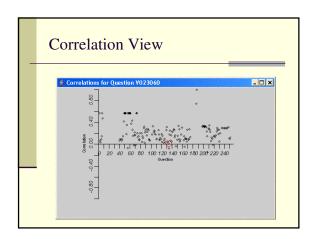


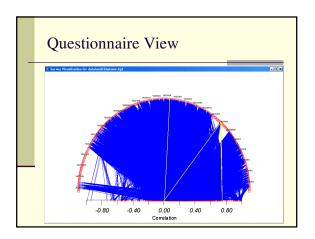


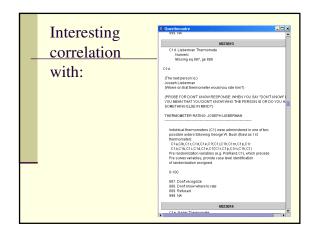


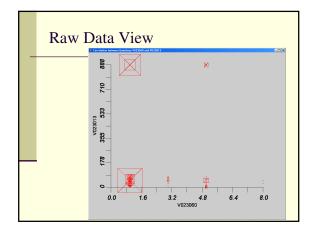












Another scenario

