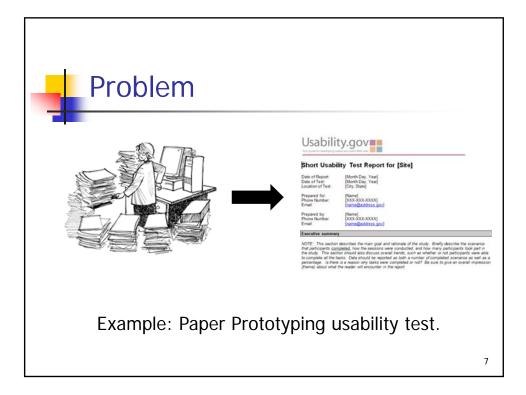
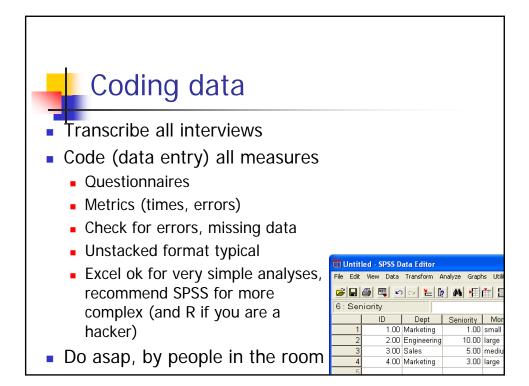
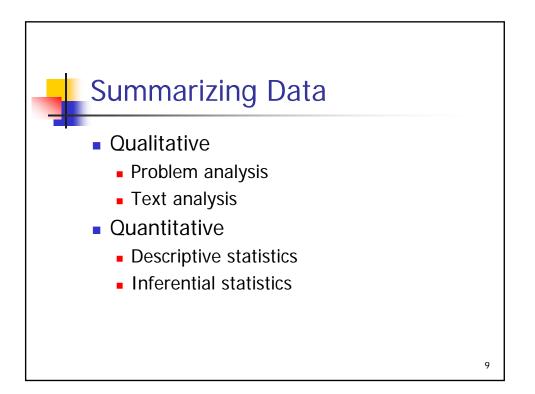


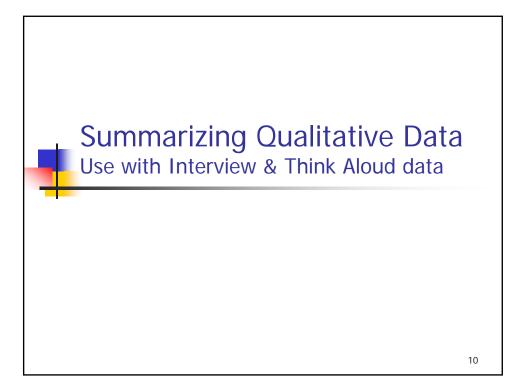


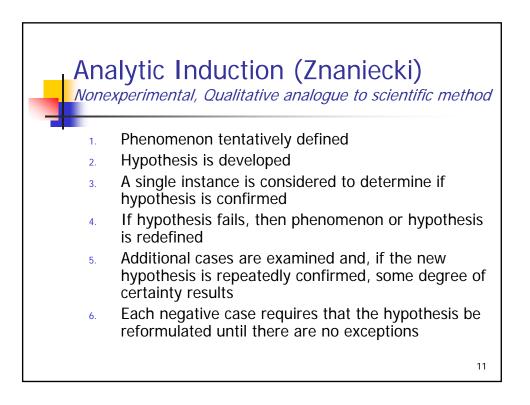
- Recruit 3-5 users who are as close as possible to your target demographic.
- Be sure to record demographic information (age, gender, education, occupation, etc.) for your report.
- Testing Users When you run your prototype on a user, you should do the following things:
 - Obtain verbal consent for participation.
 - Brief the user.
 - Present one task.
 - Watch the user do the task. Take notes of your observations.
 - Repeat with the other tasks.
 - Interview users, take any measures you think are important.

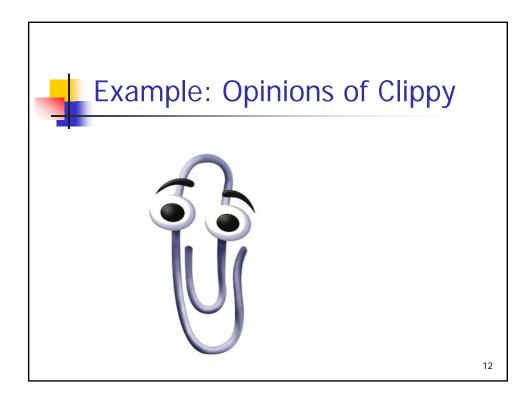


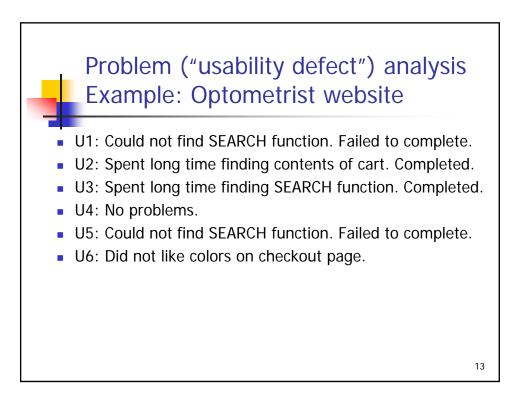


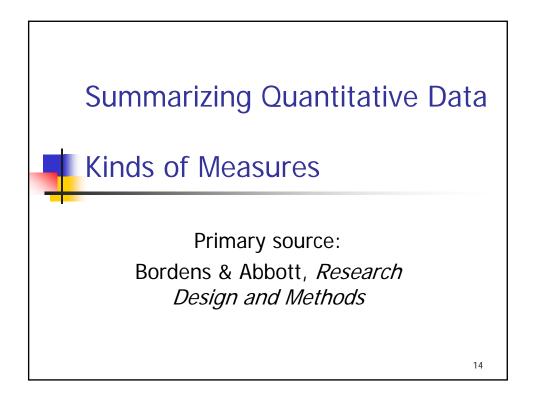


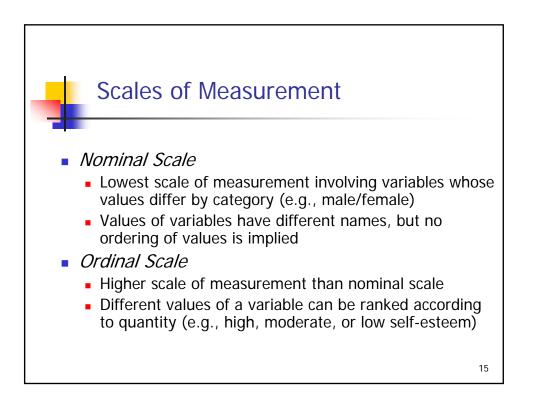


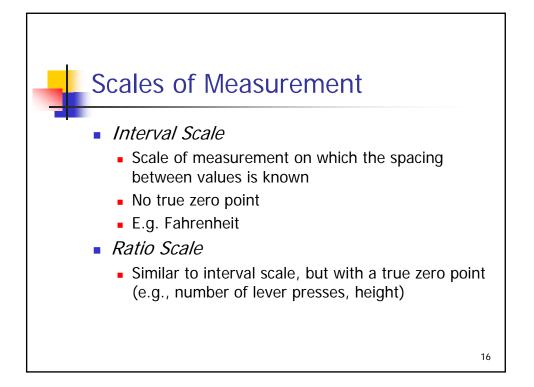




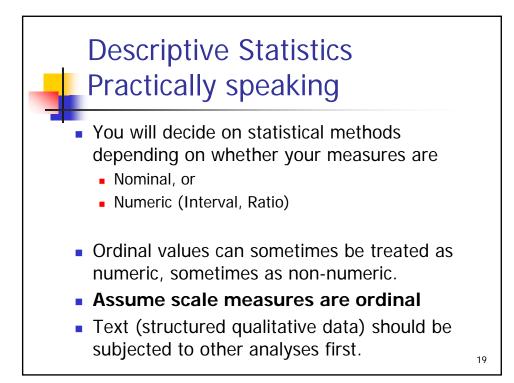


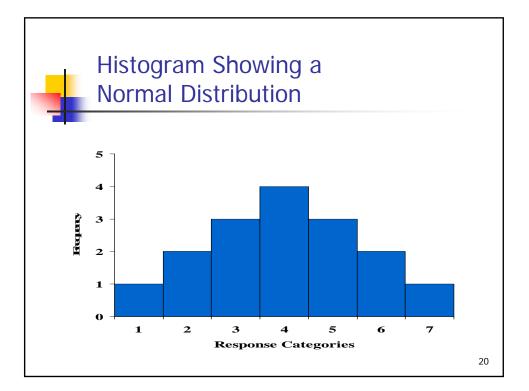


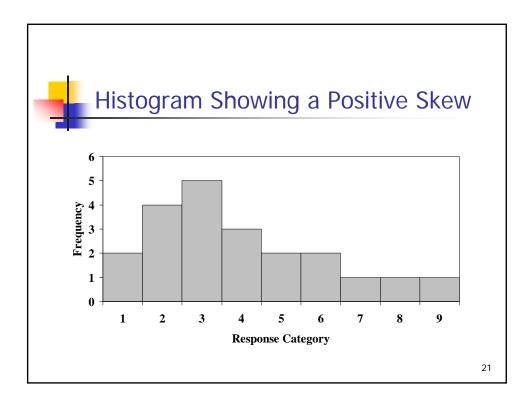


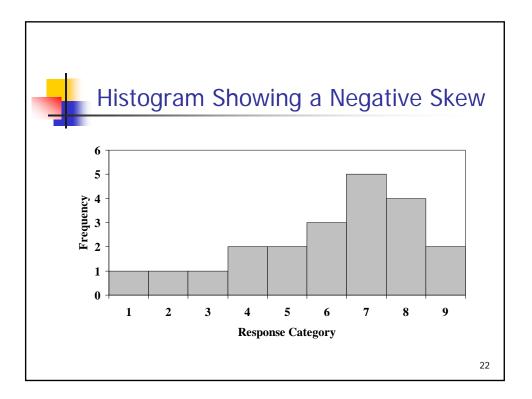


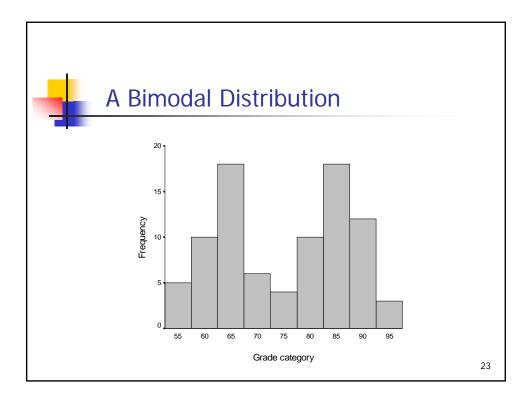


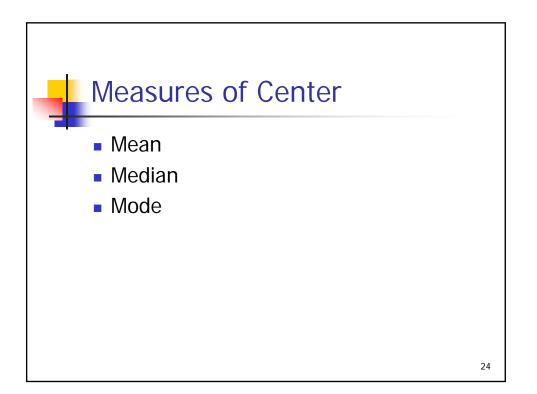








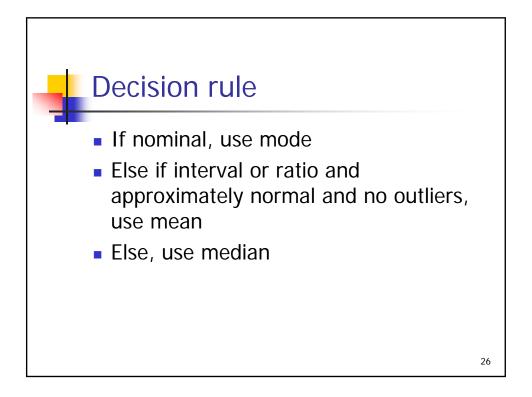


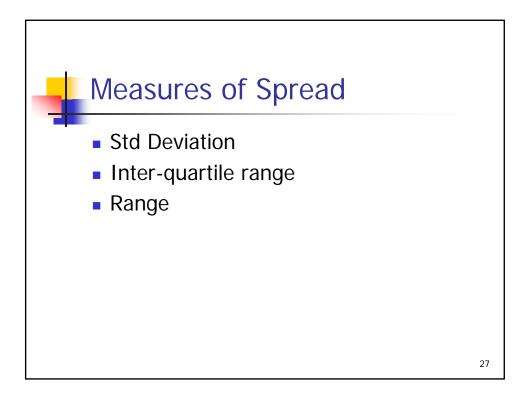


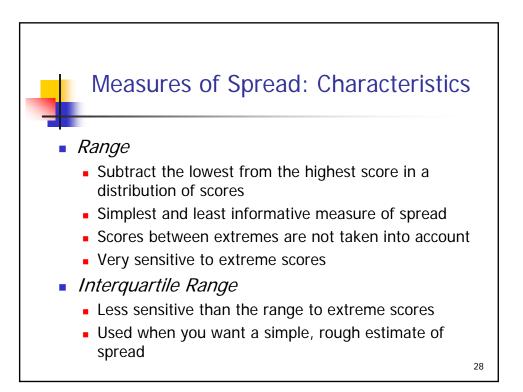
Measures of Center: Characteristics and Applications

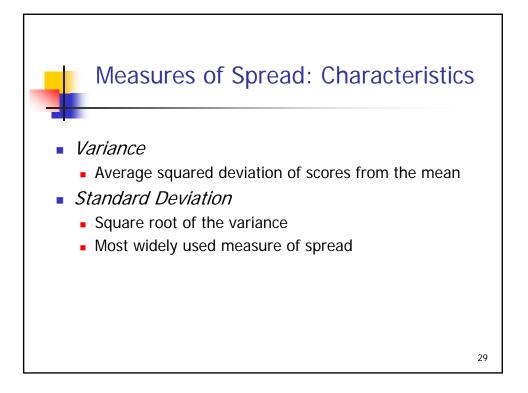
Mode

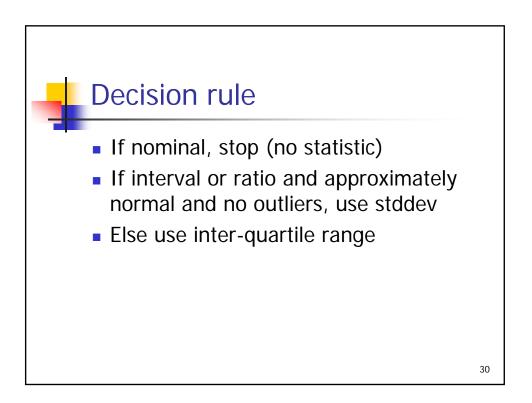
- Most frequent score in a distribution
- Simplest measure of center
- Scores other than the most frequent not considered
- Limited application and value
- Median
 - Central score in an ordered distribution
 - More information taken into account than with the mode
 - Relatively insensitive to outliers
 - Prefer when data is skewed
 - Used primarily when the mean cannot be used

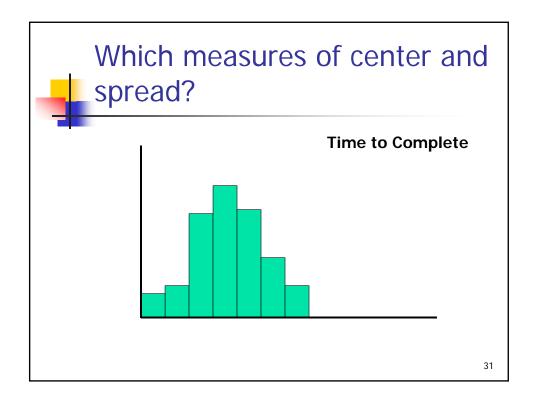


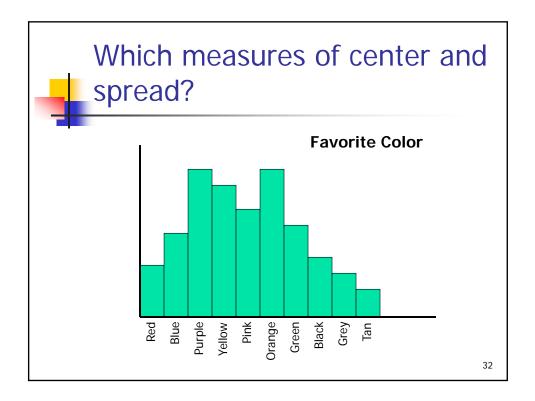


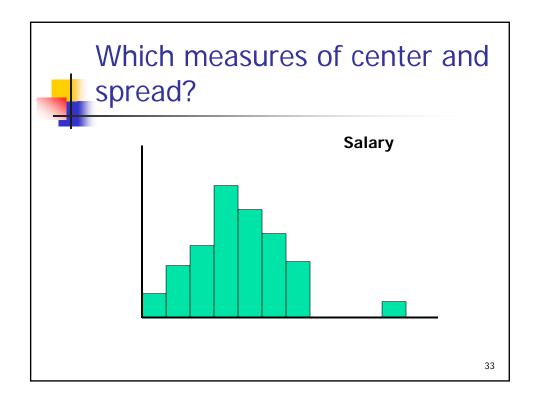


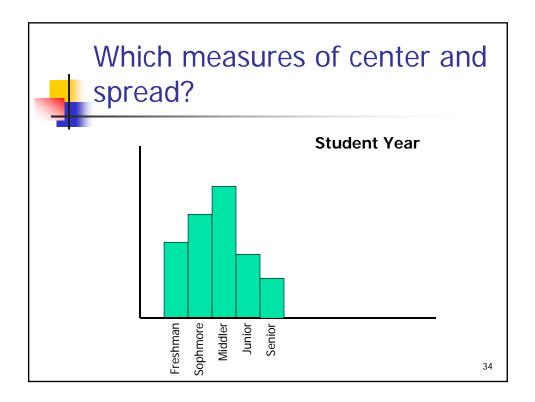


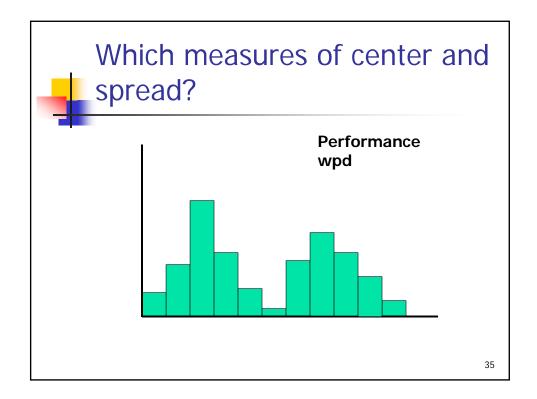


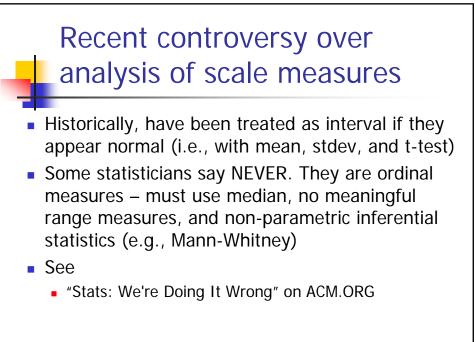


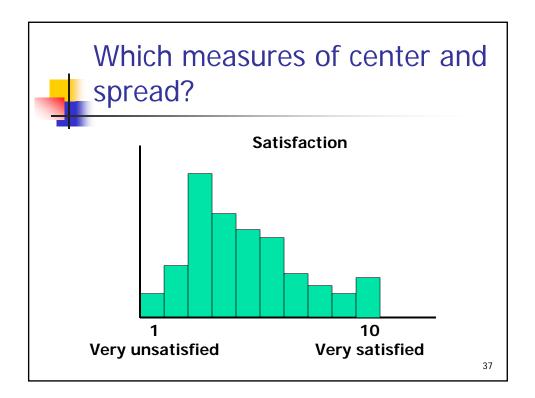


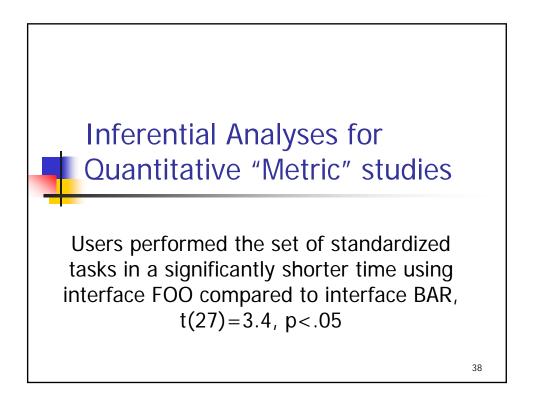


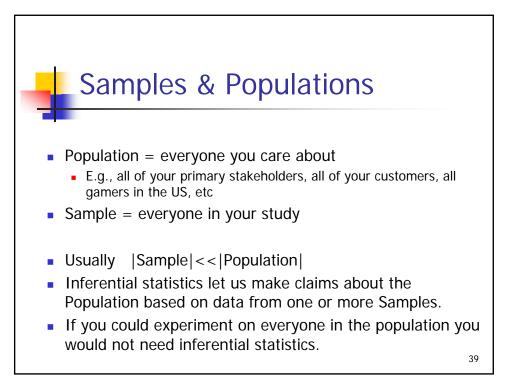


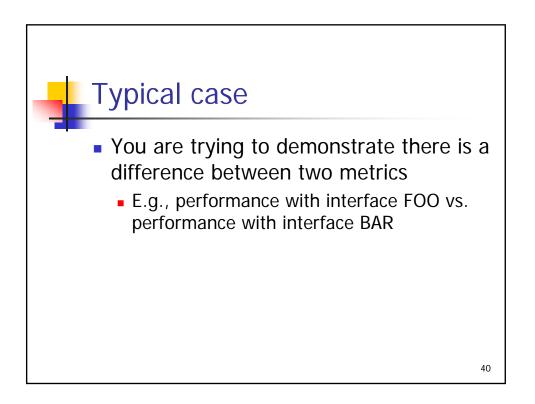


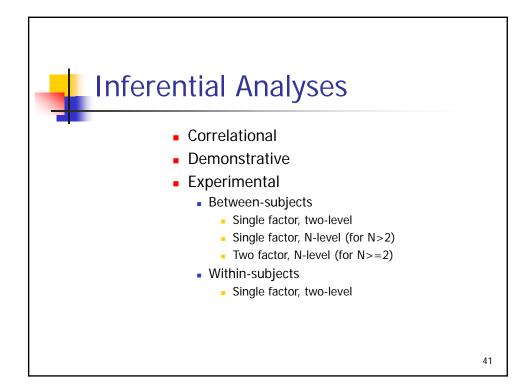


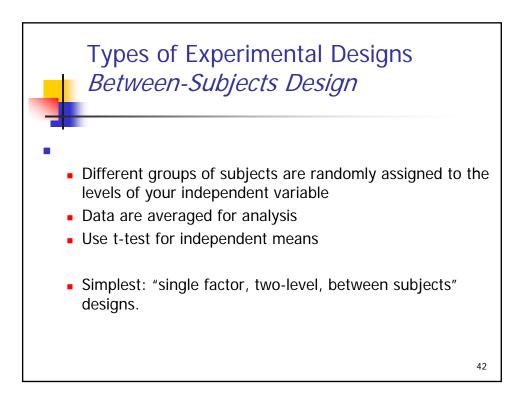


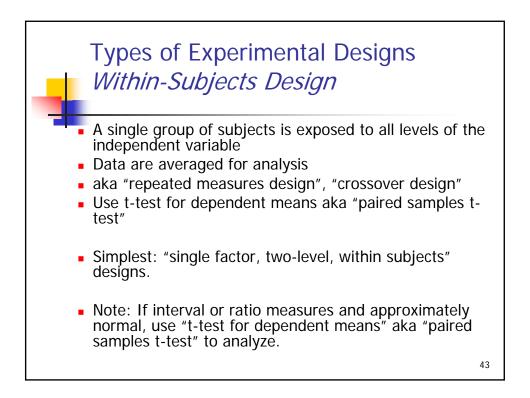


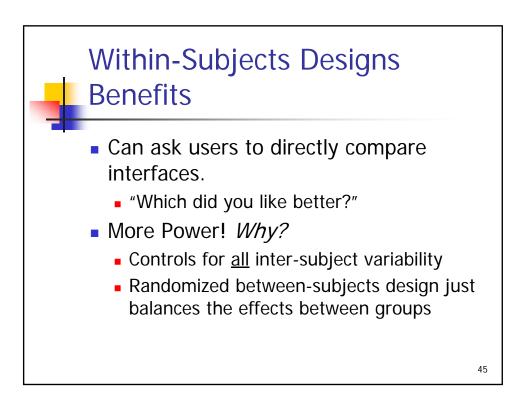








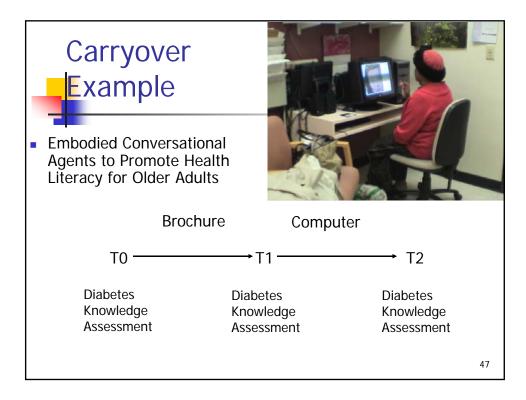


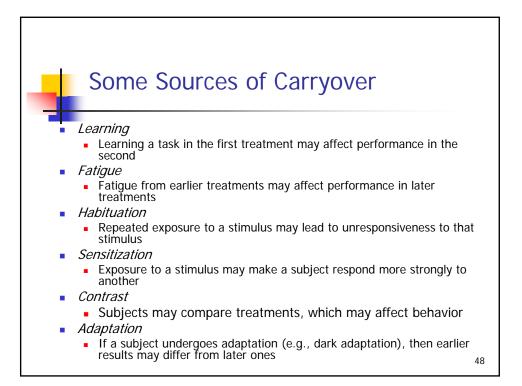


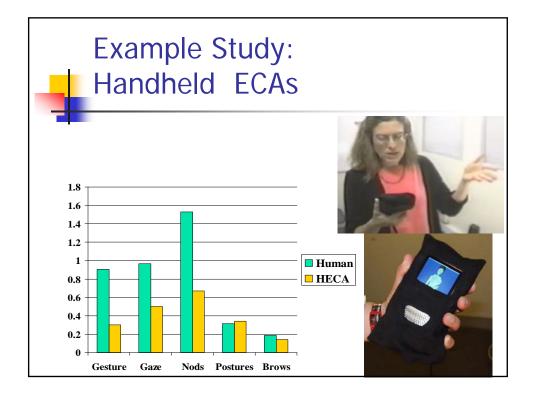
Within-Subjects Designs Disadvantages

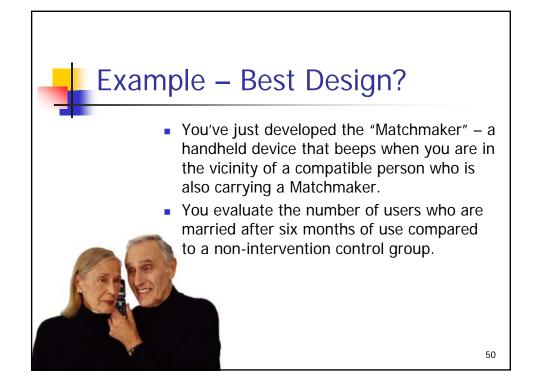
- More demanding on subjects, especially in complex designs
- Subject attrition is a problem
- Carryover effects: Exposure to a previous treatment affects performance in a subsequent treatment







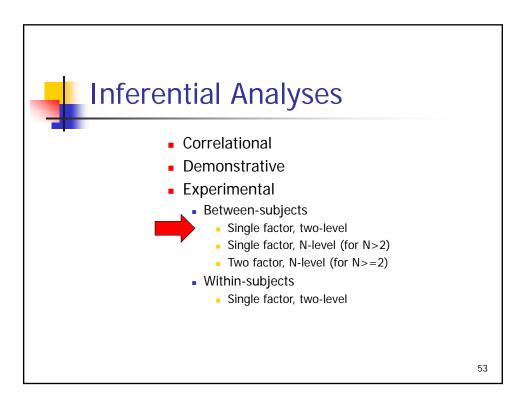


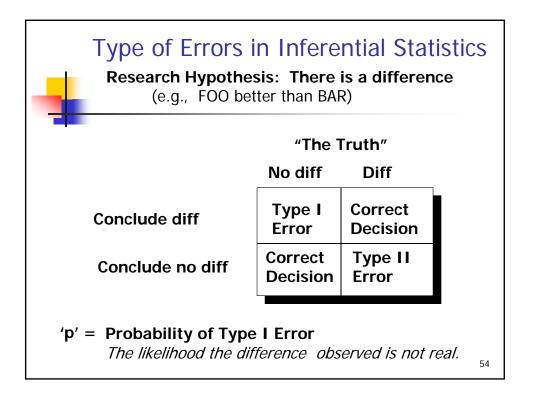


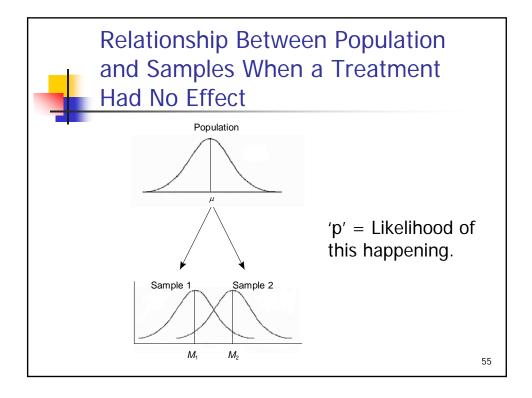


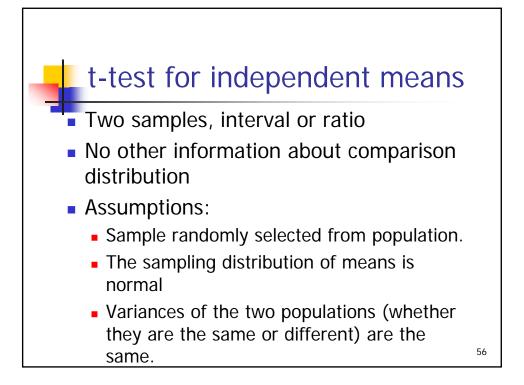


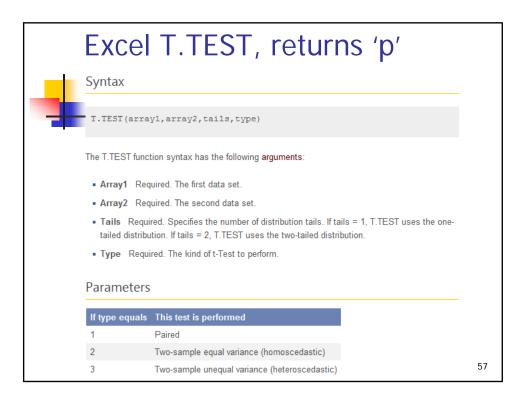
 You've developed a new web-based help system for your email client. You want to compare your system to the old printed manual.

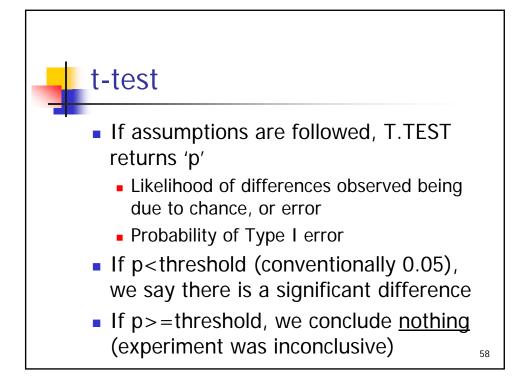


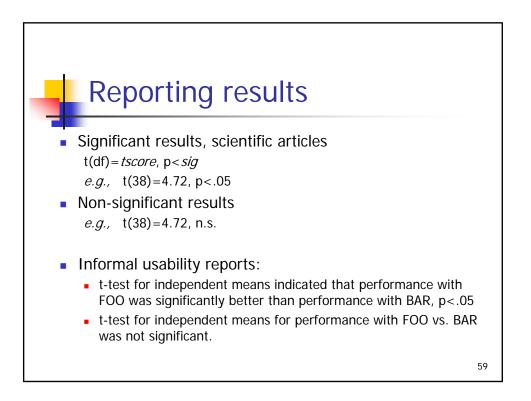




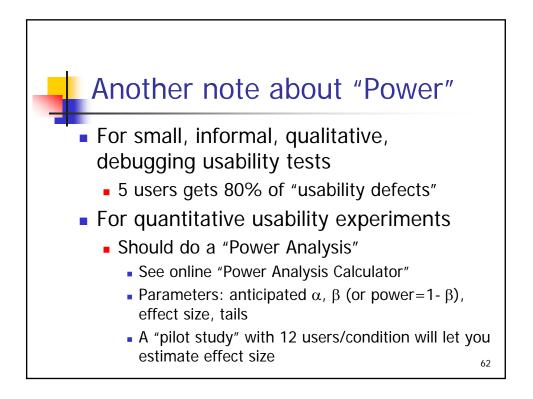


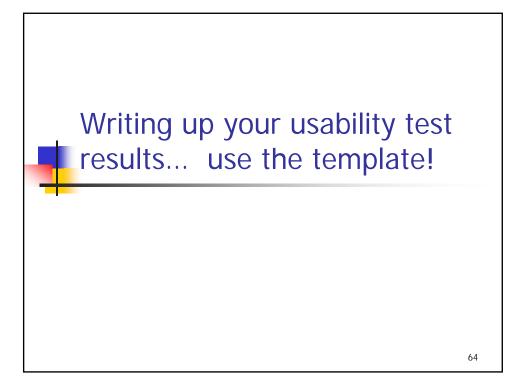


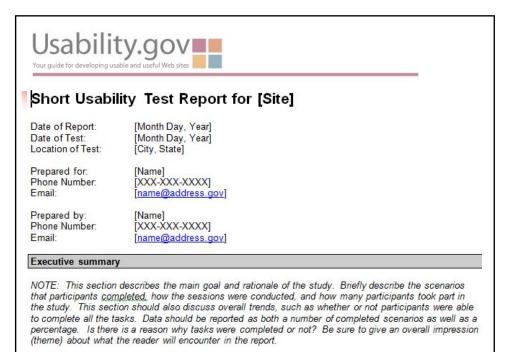


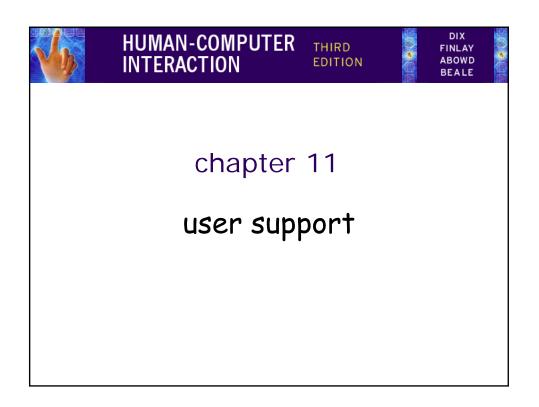


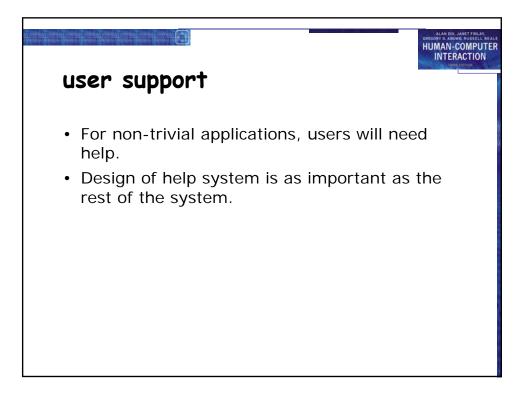
Example t-tes		
User	UI	Time
1	FOO	5.1
2	FOO	3.5
3	FOO	4.2
4	FOO	1.7
5	FOO	4.9
6	FOO	6.4
7	BAR	2.1
8	BAR	4.1
9	BAR	1.1
10	BAR	2.8
11	BAR	3.2
12	BAR	1.4

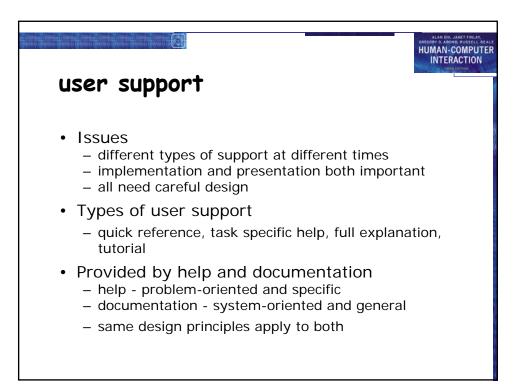


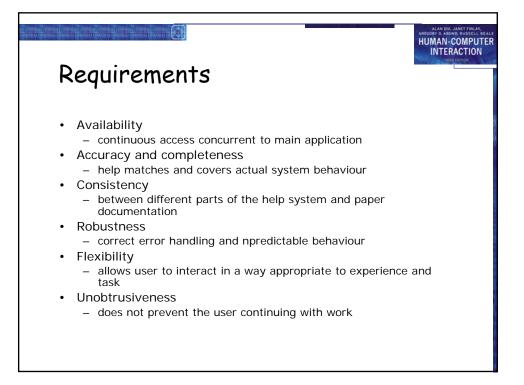


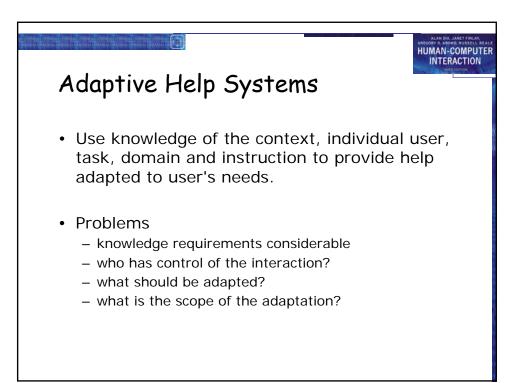


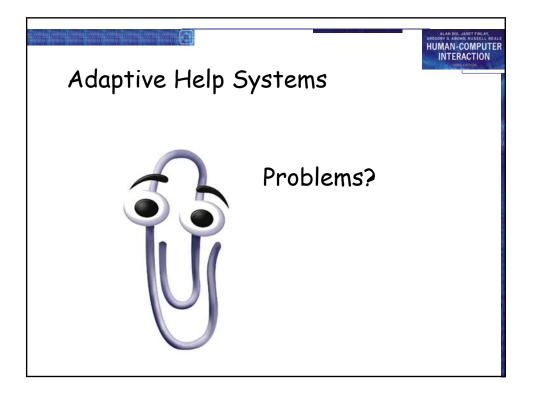


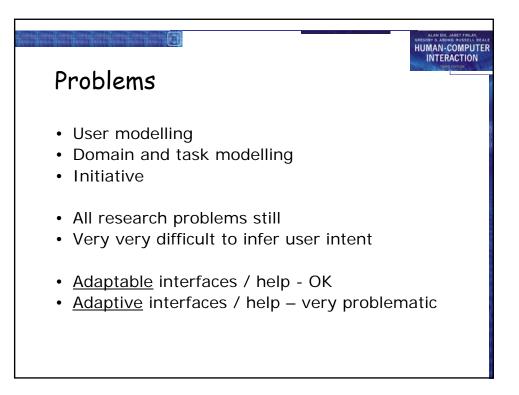


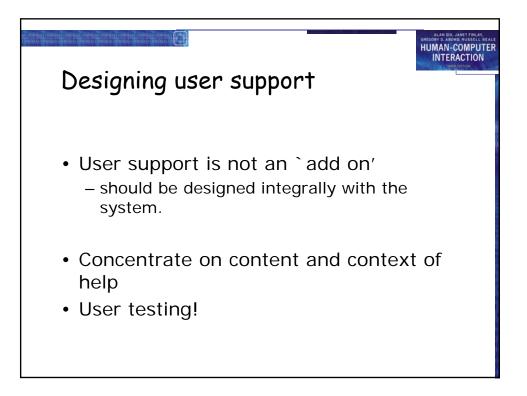












Gaze in Document Explanation



- Collaborated with Akiko Aizawa's "Gaze/NLP Lab" – Tobii TX300
- Research Question: Can gaze information be used to aide in automated explanation of documents?



