Computer Rage: Theory and Practice

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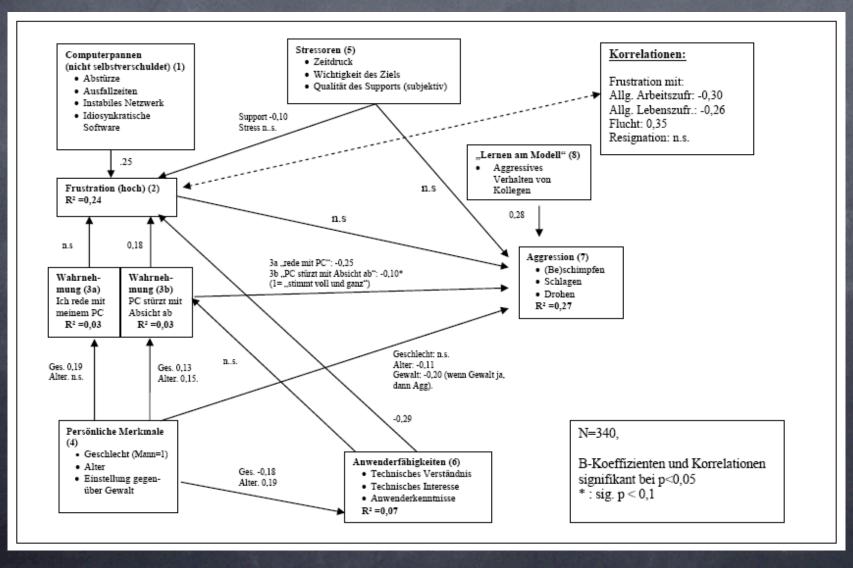
HCIL-V and the Department of Psychology

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What is Computer Rage

- Physical Bashing of a Computer and/or a Computer Related Item
- Verbal Abuse of a Computer and/or a Computer Related Item (Brinks, 2004)
- Heightened Physiological Response with Associated Feelings of Anger and Frustration (Lazar, Jones, Bessiere, Ceaparu, & Shneiderman, 2004)

Full Theory of Computer Rage



Simple Theory of Computer Rage

Microsoft Rage

Developmental Theory

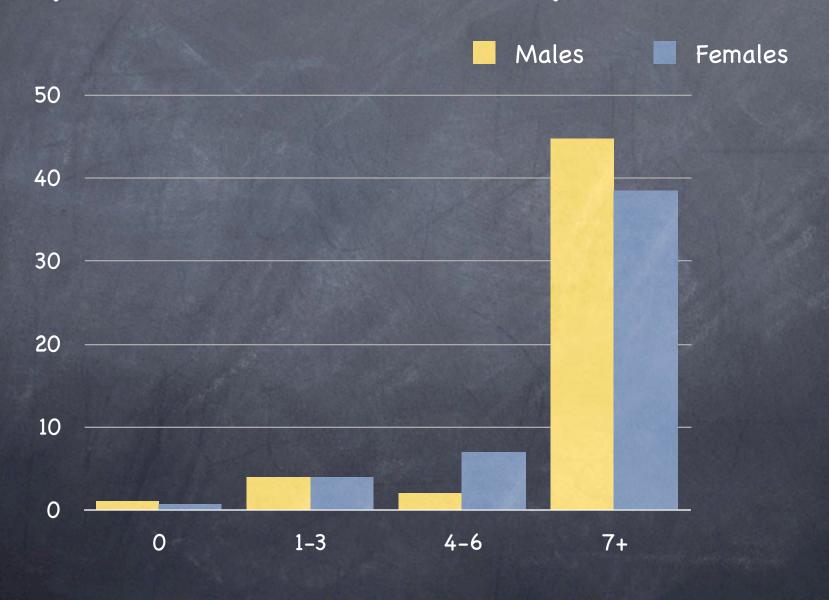
Childhood
Experience
with
Technology



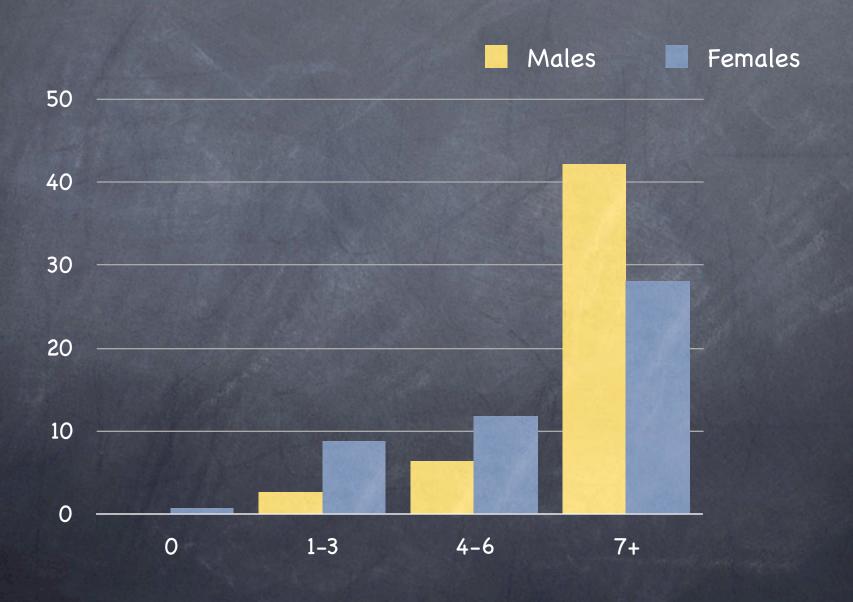
Online Survey Sample

- lap.umd.edu/computer_rage
- US sample N = 162

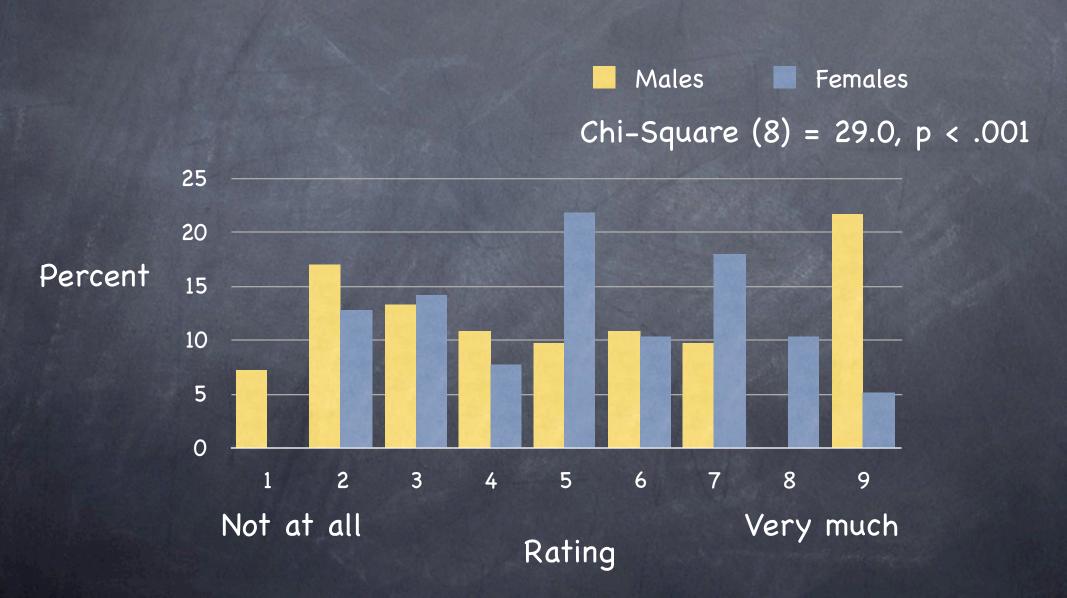
Average number of hours per week on computers



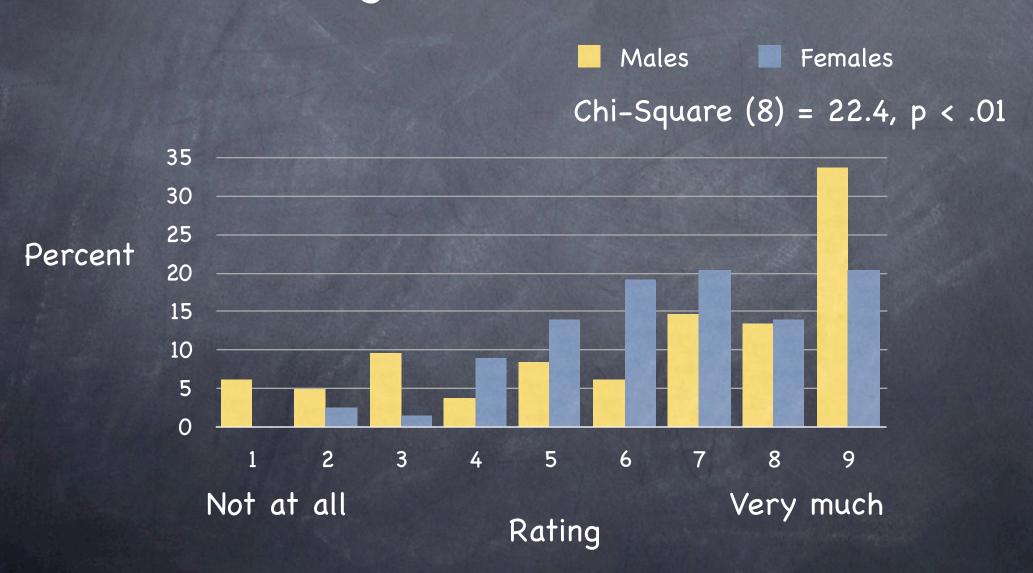
Average number of hours per week on the WWW



Overall how frustrated are you with computers?



To what extent have you been frustrated waiting for a computer to do something?

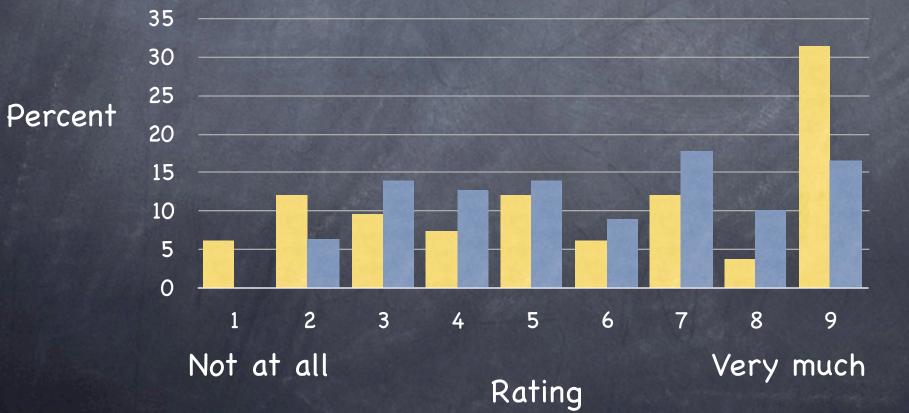


How often have you been frustrated because you had to redo something over and over because of a computer problem?

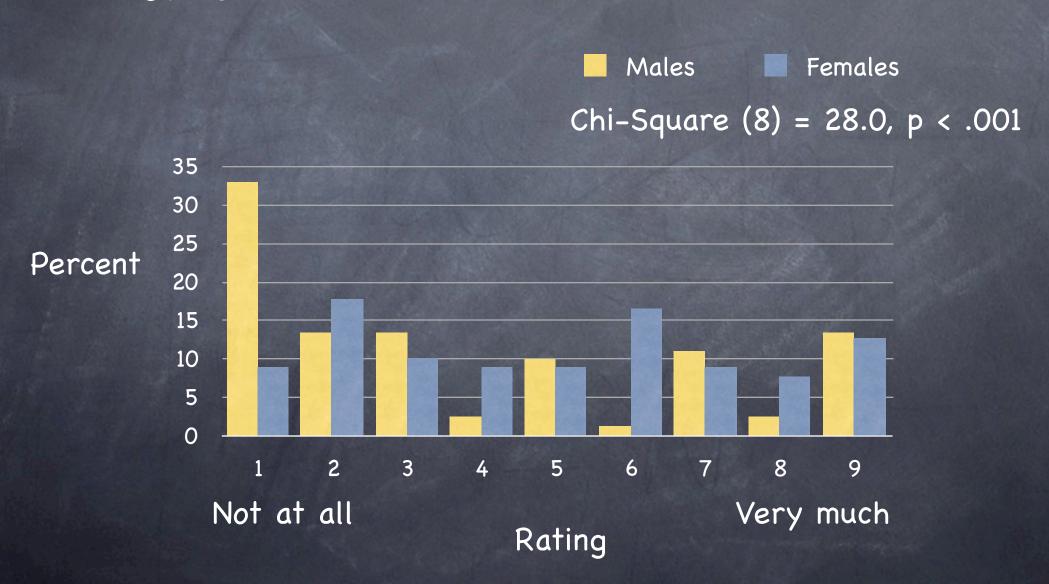
Males

Females

Chi-Square (8) = 15.7, p < .05



How frustrated have you been by not understanding how the computer works?

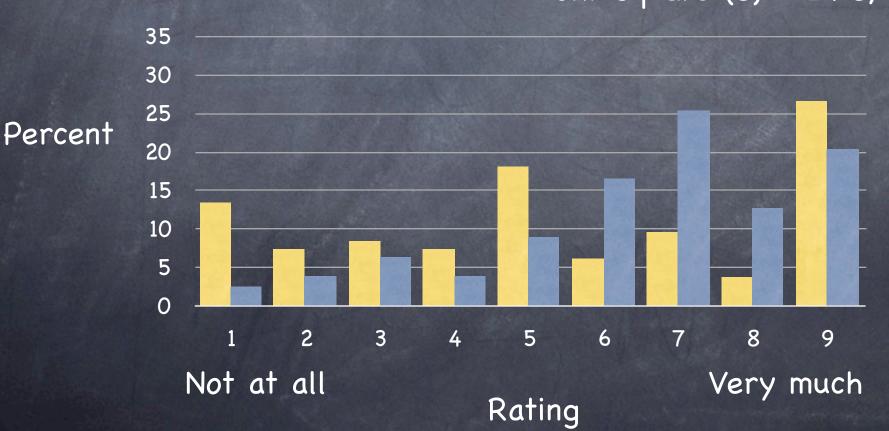


How frustrated have you been when you could not figure out how to get the computer to do something that you wanted?

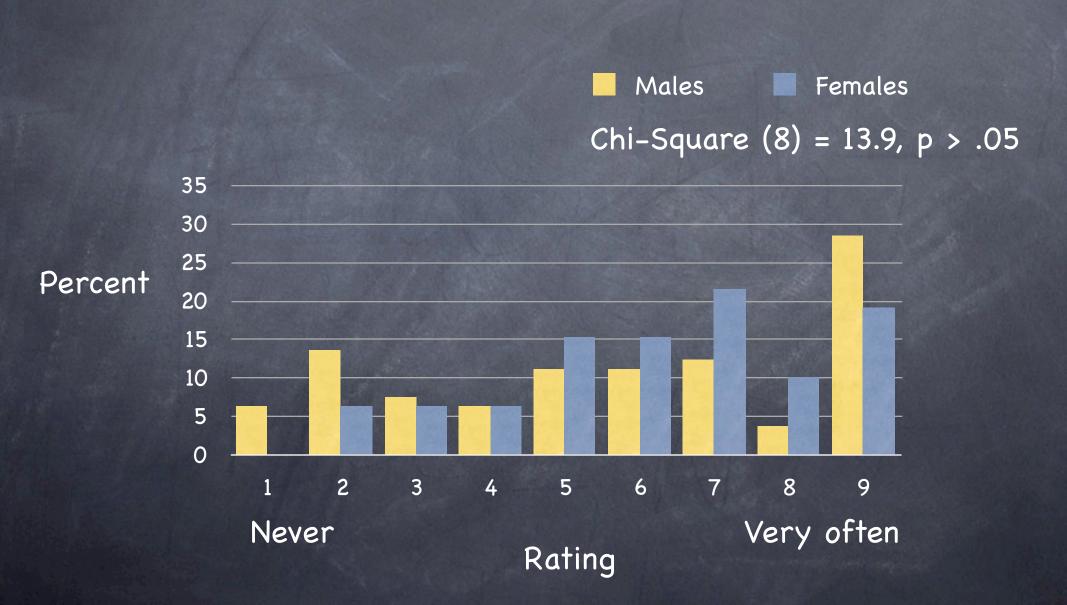
Males

Females

Chi-Square (8) = 24.8, p < .01



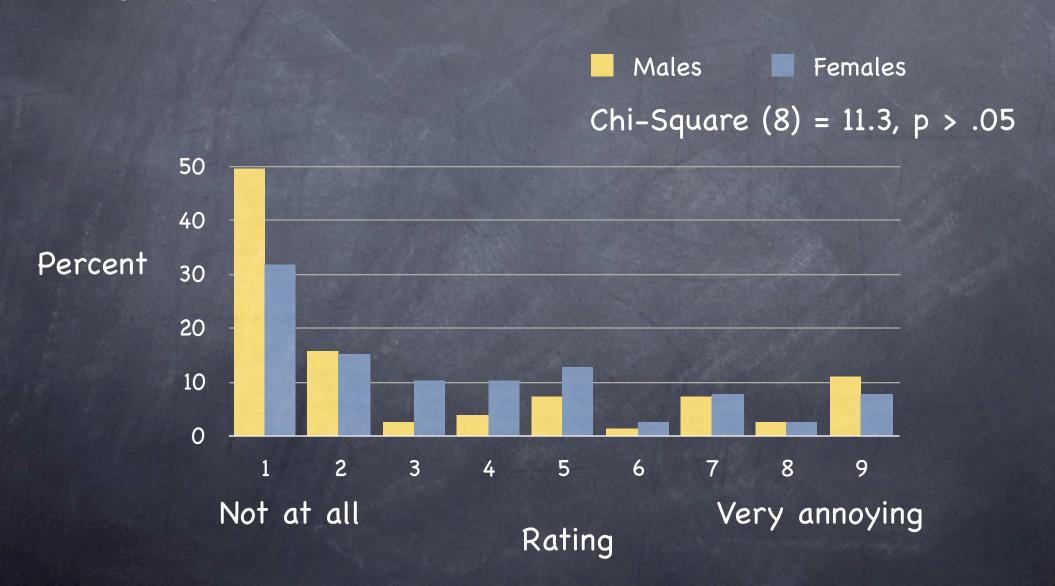
Have you ever been angry with a computer?



Have you ever felt like smashing a computer screen with a heavy object?



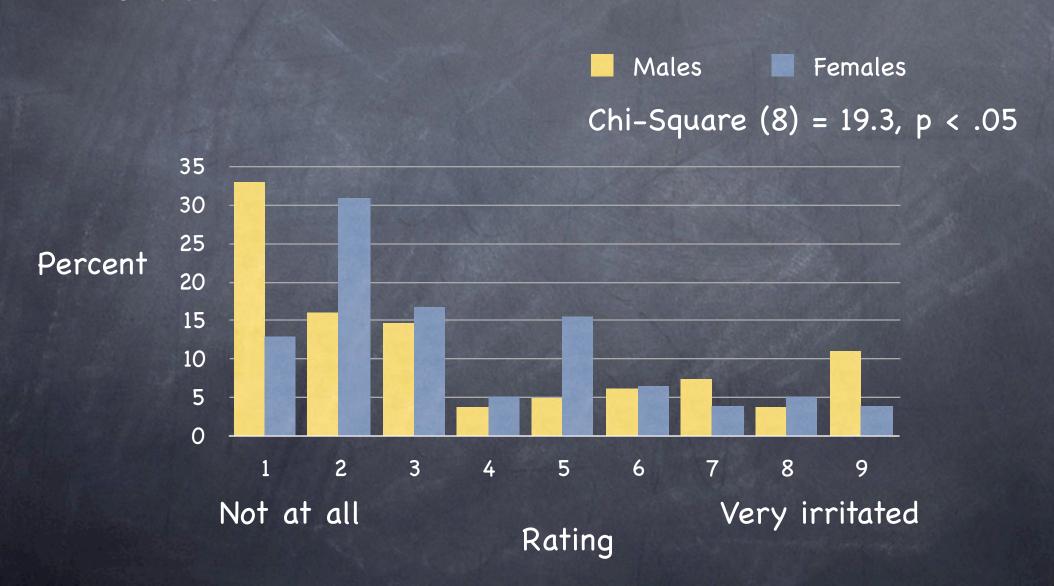
How annoying is it to you to use a mouse to move a cursor around the screen?



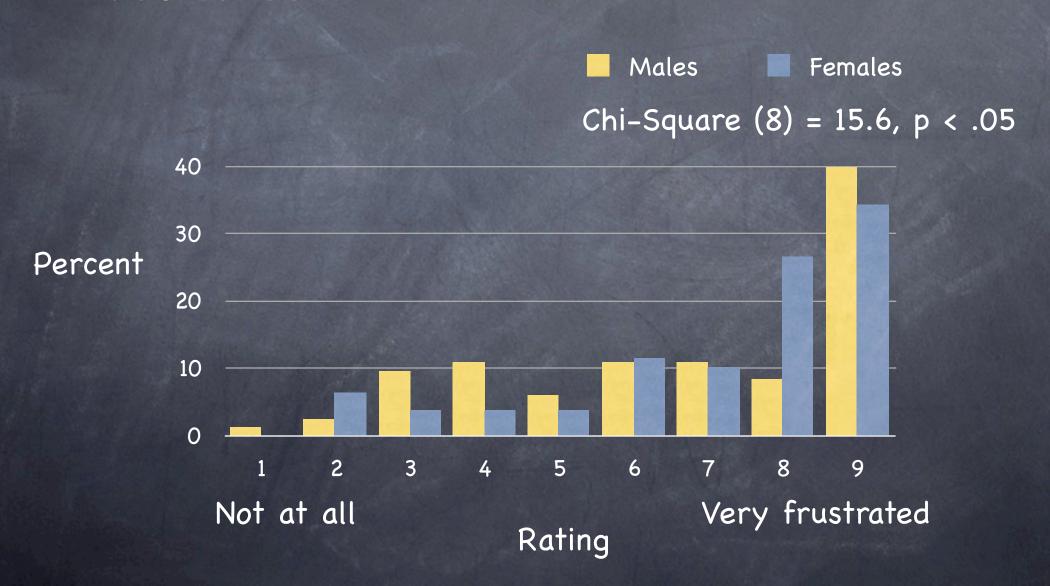
How annoyed have you been because of typing errors on a computer?



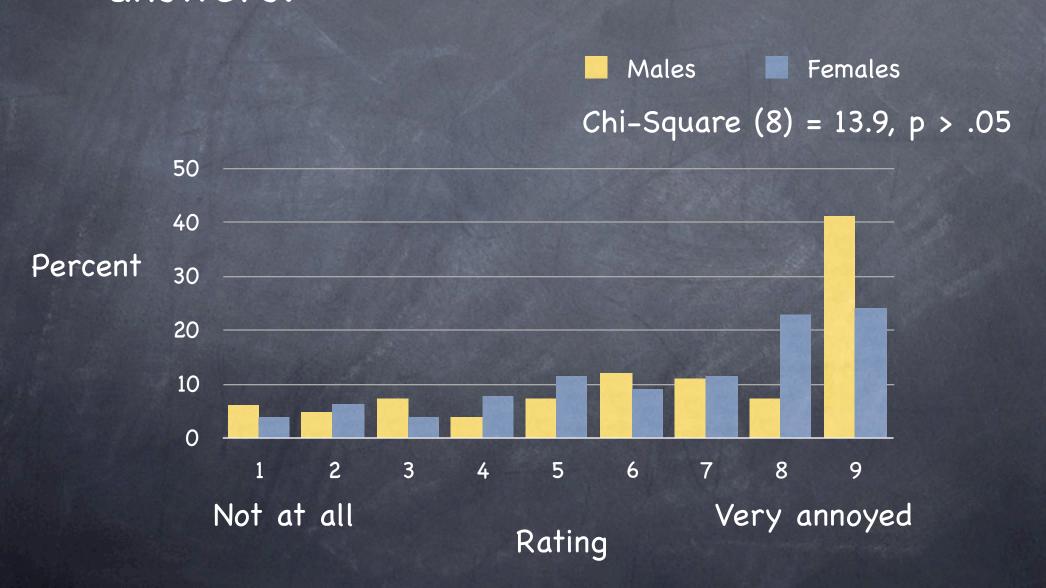
How irritated have you been by how hard it is to read the computer screen?



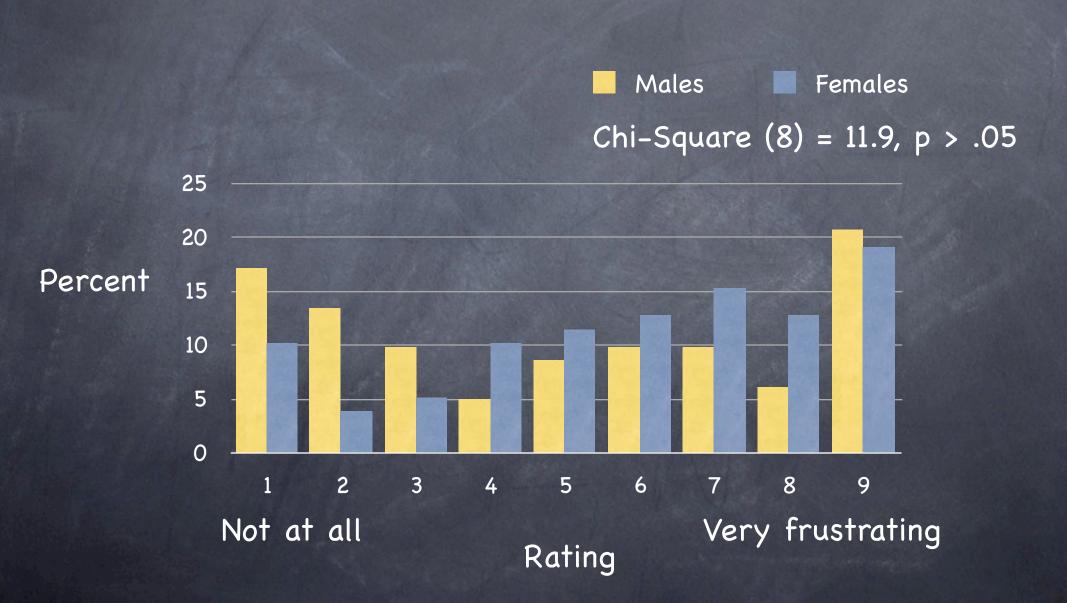
How frustrated do you get when the computer crashes and has to be restarted?



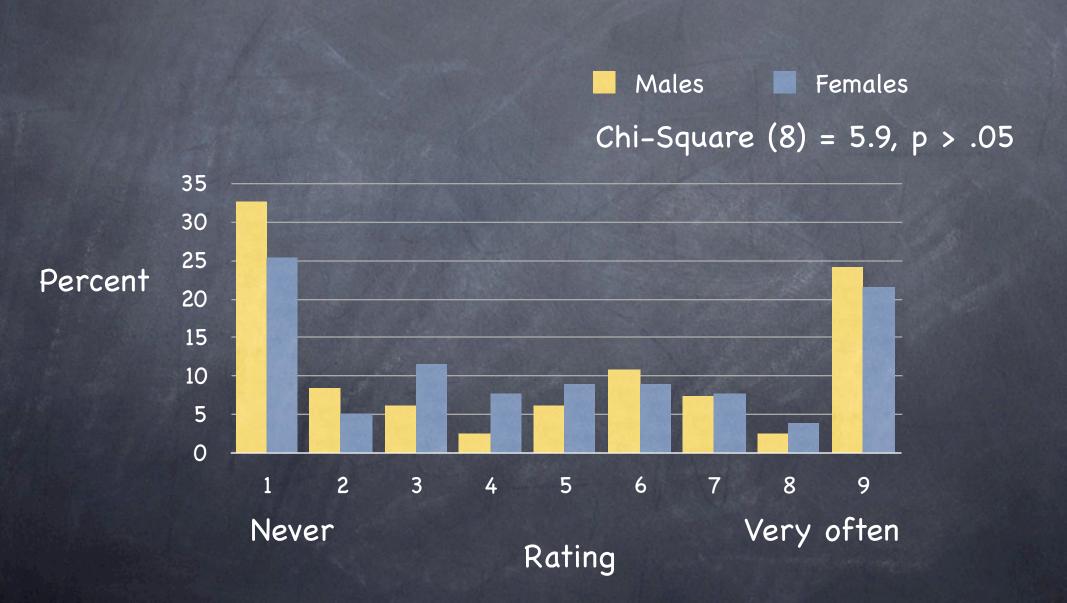
How annoyed have you been by computer help systems not giving you answers?



How frustrating are computer manuals and documentation to you?



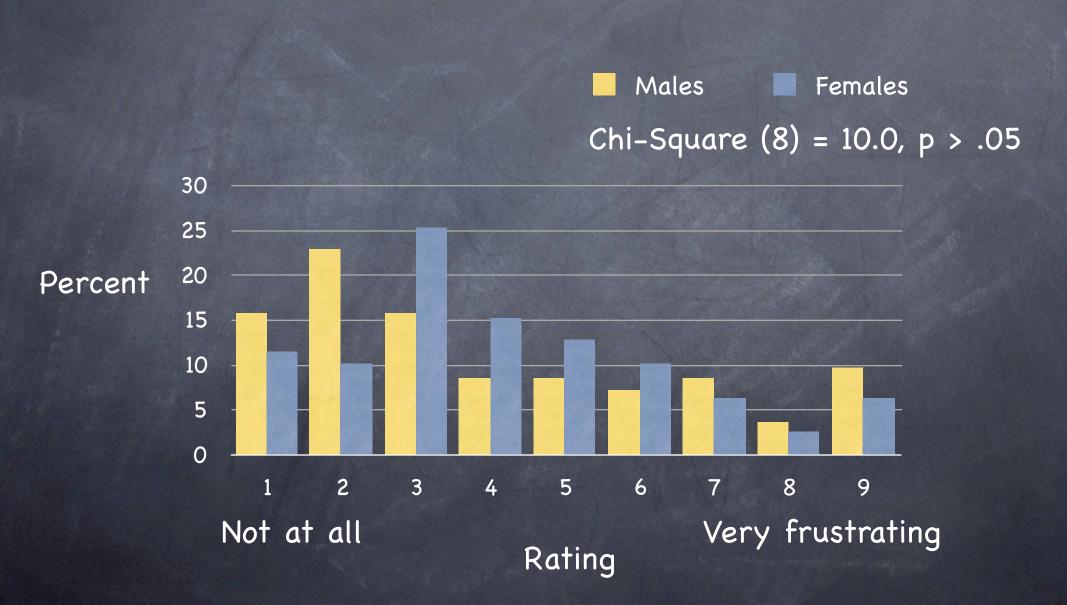
Have you ever wanted to throw your monitor out of a window?



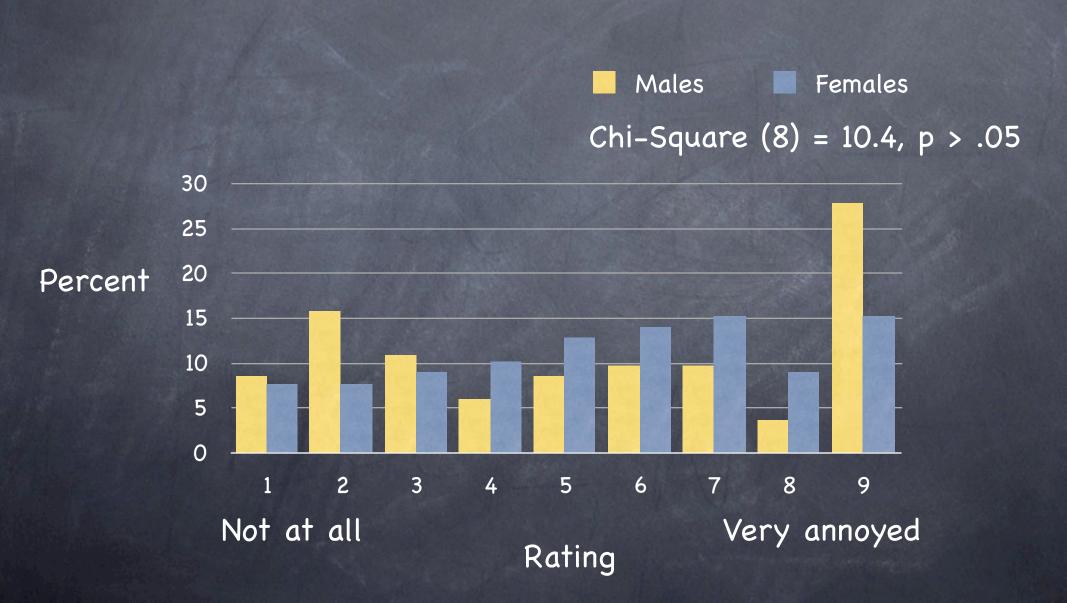
How annoyed have you been with computer help desks and hot lines?



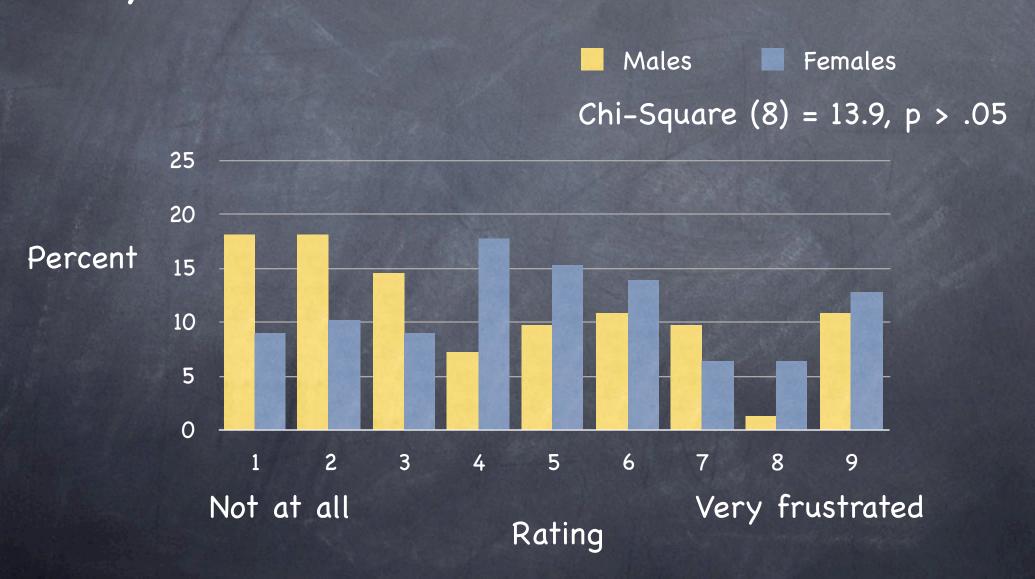
How frustrating is it trying to find information on the World Wide Web?



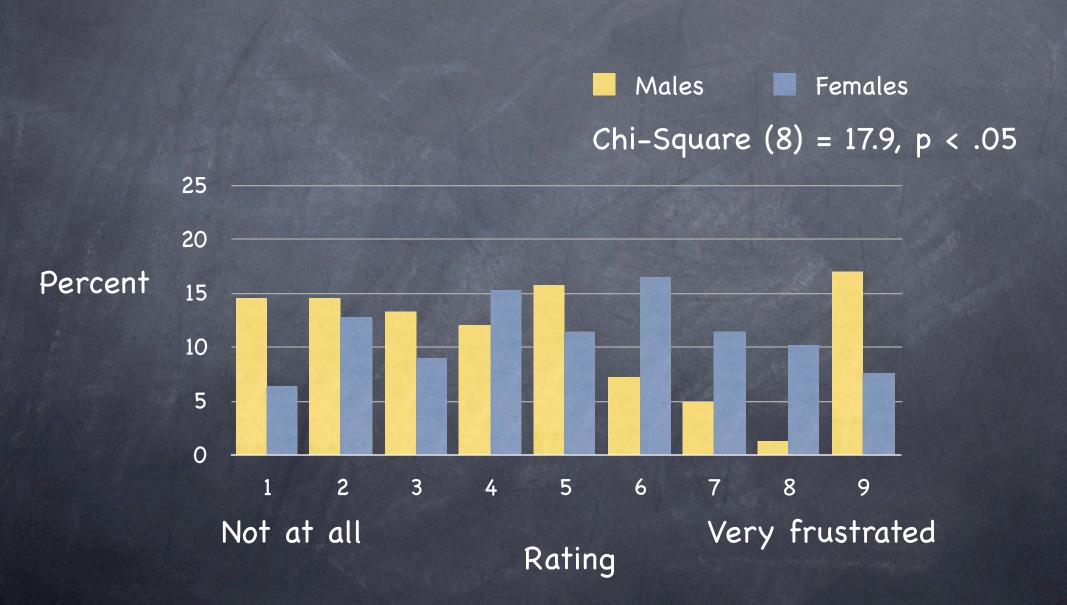
How annoyed are you by too much email?



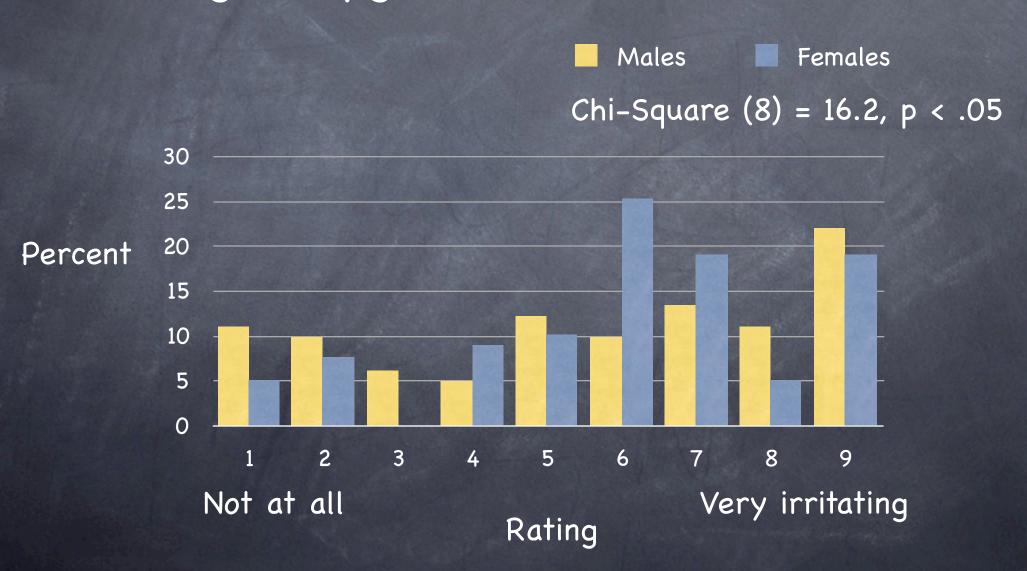
How frustrated have you gotten when trying to set up a new computer system?



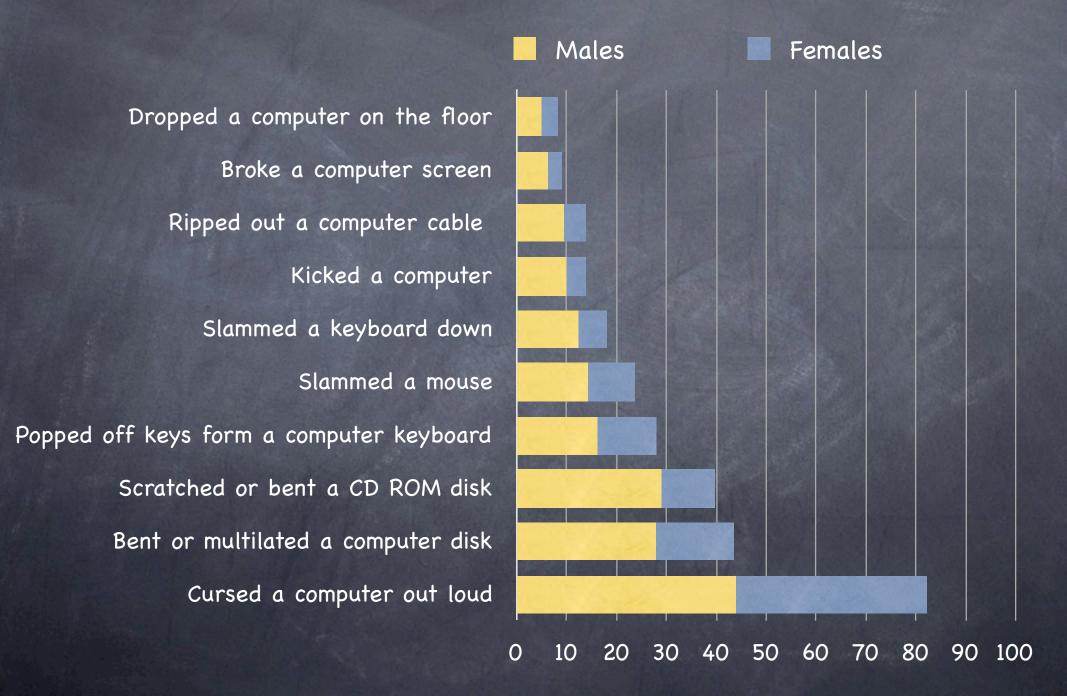
How frustrated have you gotten when trying to install new software?



How irritating has it been for programs to become obsolete and having to upgrade to new versions?



Incidence of Rage Behaviors by Gender



The Down Side of Computer Rage

- Destruction of personal, business, or government property (estimates are in the millions of dollars annually)
- Potential injury to self or others
- Loss of personal time or time on the job

The Up Side of Computer Rage

- Release of pent up anger
- Directed at physical objects rather than other people
- Can be personally rewarding
- Helps to reduce inventory of older equipment and increase purchase of new equipment

Good Practices of Computer Rage

- © Controlled Rage: Find the appropriate time, place, and method.
- Safety First: Use safety googles and protect others.
- Select Targets Wisely: Preferably Vent on Obsolete Equipment.
- © Consider Vicarious Computer Rage: Buy our Computer Rage I and II DVDs.

The End

