

Tools and Trustworthiness: A Historical Perspective

Dr. Linda S. Gilbert



How I got into this

- Research interest: Intersection of person and computer
 - How people use computers for high-end intellectual and creative activities
- > QDA software provided one example
 - Dissertation study 1999
 - Reflections of qualitative researchers on the use of qualitative data analysis software: An activity theory perspective
- > Latest and greatest.... N4!



Overview

- What I learned then
- > What I've observed since
 - (With data from literature)
- > Thinking about software tools
- > Changes to this specific tool over time
- ▶ User transitions
- Considerations for trustworthiness



The transition story...

- > "Using a computer was awkward at first."
- > "I just couldn't do some things on the computer..."
- "Gradually, I learned."
- "I developed some strategies that helped me make the transition."
- "Now, I can't imagine working without it."
- Writing analogy



The trustworthiness story...

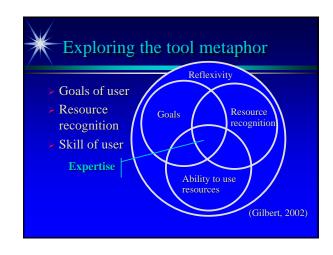
- "I trust my own work much more..."
- > "...but I don't trust anyone else just because they use a program.."
- > "... and you shouldn't, either. Especially you reviewers."
- > "The software is not a method."
- "It's just a tool."
- > Tool metaphor

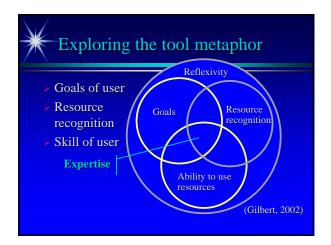


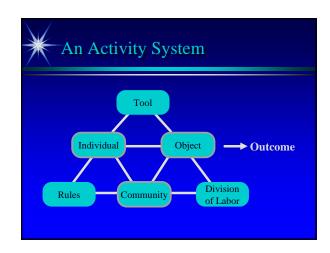
The tool metaphor

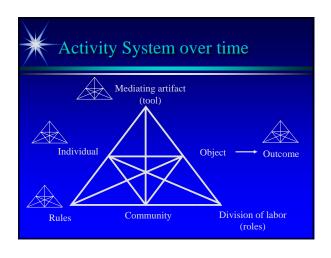
- > Novices: Software as A tool
- Experienced: Software as a SET of tools
- > "Just" a tool: Think again!
 - Novice: Doesn't affect work
 - Experienced: CAN affect work, but researcher should control
 - Theory base: Tools genuinely matter

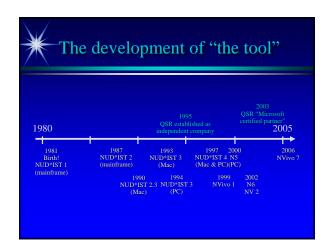


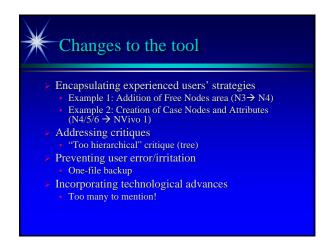


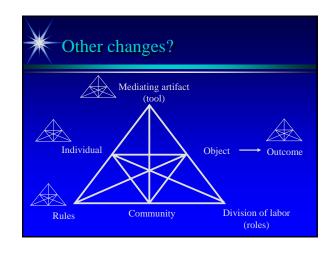


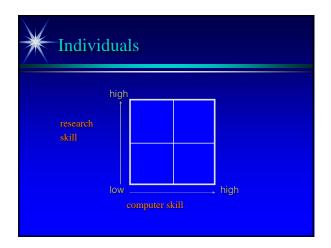




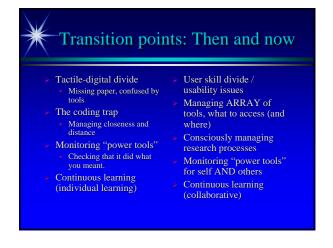


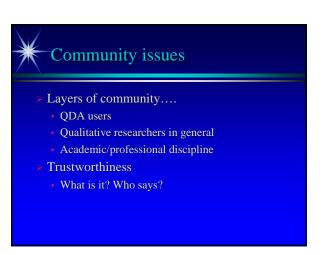














Trustworthiness: The subtext

- "Using a computer program is not reason enough to assume that work is trustworthy...."
- > "...but a lot of people still make that mistake."
- "You need to look for research goals, appropriate methods, clear links between data and conclusions, things like that."
- > Software can support those things..."
- > ... but it doesn't guarantee them."
- > "A lot of people think that it does."



Trustworthiness (user perspective)

- Genuine trustworthiness
 - Expertise in tool-user combination supporting research goals
- > Appearance of trustworthiness
 - Social status without work-related substance
- Mixed reactions to status
 - "There are people who think that just because I use a computer, my work is suddenly respectable..."



Trustworthiness (larger context)

- "Scientifically-based research"
- > Accountability movement
- > Reactions from qualitative community
 - Resistance
 - Rapprochement (co-option?)
 - Re-examination



Possible intersections??

- > Rejection
 - "Tool of the oppressors"
- > Rapprochement/Co-option
 - Danger of appearance of trustworthiness...
 - Possible mandates of use (like ESRC)
- ➤ Re-examination
 - Openness to possibilities and methodological advances



Trustworthiness: Then and Now

- Making links between goals and tool use
- Monitoring "power tools"
- Representing tool and work accurately (or not)
- Articulating research goals, research methods, and tool use clearly (transparency)
- > Monitoring "power tools"
- Demanding similar standards from other users
- Deciding how to enter the larger conversation on trustworthiness



Recommendations and opinions

- Avoid using context as just a marketing/diffusion opportunity
 - Mandates can be double-edged
 - Misrepresentation will "taint" the tool in the current environment
- > Strive to enter the general conversation on trustworthiness (Write!!!)
- Make explicit links between standards of trustworthiness and actual practice (Write!!!)
- Consider tools needed in software (reporting)



Gilbert, L. (2002). Going the distance: "Closeness" in qualitative data analysis software. Special Issue of The International Journal of Social Research Methodology, 5(3), 215-228.