

Eye tracking for usability evaluation ?Hypotheses 8 Evaluation Through User Participation ..Cont'd?

Observational techniques o Think aloud and cooperative evaluation ?Computer logging o Automatic protocol analysis tools 9 Evaluation Through User Participation ..Cont'd Query techniques ?the evaluators can clarify points of confusion at the time they occur and so maximize the effectiveness of the approach for identifying problem areas. Clearly, it is not usually possible to perform extensive experimental testing continuously throughout the design, but analytic and informal techniques can and should be used. Cont'd Heuristic evaluation o (Jakob Nielsen and Rolf Molich) 1. Laboratory studies: In the first type of evaluation studies, users are taken out of their normal work environment to take part in controlled tests, often in a specialist usability laboratory. 7 Evaluation Through User Participation ..Cont'd Empirical methods: experimental evaluation ?Ideally, evaluation should occur throughout the design life cycle, with the results of the evaluation feeding back into modifications to the design. Evaluation Through User Participation 4 Evaluation Through Expert Analysis Cognitive walkthrough 1. Field studies: The second type of evaluation takes the designer or evaluator out into the user's work environment in order to observe the system in action. Questionnaires Evaluation through monitoring physiological responses ?Assessment of our designs and test our systems to ensure that they actually behave as we expect and meet user requirements. to assess the extent and accessibility of the system's functionality ?Evaluation Through User Participation Styles of Evaluation ?3 Evaluation Criteria 1. Participants ? . ??? 2. 3. 4. 2. 3. 4. 5. 6. 7. 8. 9. 10. 1. 2. 3. 4