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|-----|--|
| | Relevance feedback User designates "more like this" documents |
| | System adds terms from those documents to the query |
| | Manual reformulation |
| | Initial result set leads to better understanding of the problem domain |
| | New query better approximates information need |
| | Automatic query suggestion |
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| ••• | Quantitative User Studies |
|-----|--|
| | Select independent variable(s) |
| | e.g., what info to display in selection interface |
| | Select dependent variable(s) |
| | e.g., time to find a known relevant document |
| | Run subjects in different orders |
| | Average out learning and fatigue effects |
| | Compute statistical significance |
| | Null hypothesis: independent variable has no effect Rejected if p<0.05 |
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| ••• | Questionnaires |
|-----|---|
| | Demographic data |
| | For example, computer experience |
| | Basis for interpreting results |
| | Subjective self-assessment |
| | Which did they think was more effective? |
| | Often at variance with objective results! |
| | Preference |
| | Which interface did they prefer? Why? |
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| ••• | By now you should know |
|-----|--|
| | Why information retrieval is hard |
| | Why information retrieval is more than just querying a search engine |
| | The difference between Boolean and ranked retrieval (and their advantages/disadvantages) |
| | Basics of evaluating information retrieval systems |
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