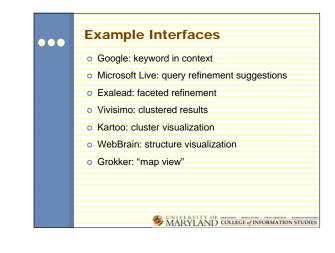
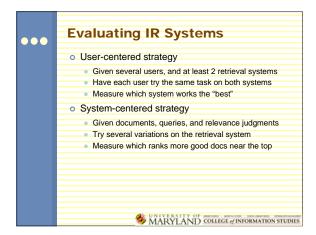
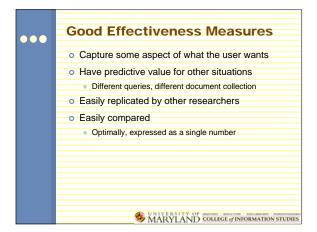
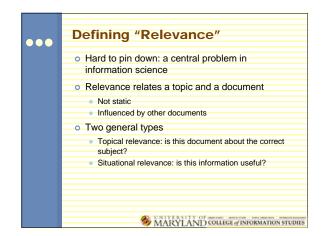


Query Enrichment
Relevance feedback
 User designates "more like this" documents System adds terms from those documents to the query
 Manual reformulation
 Initial result set leads to better understanding of the problem domain
 New query better approximates information need
 Automatic query suggestion
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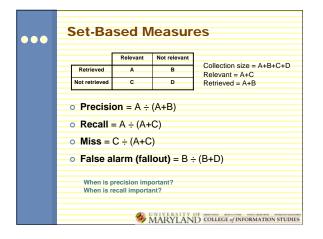


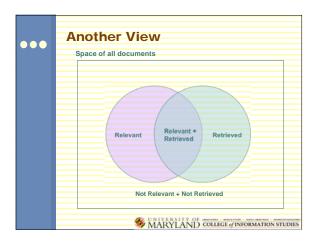


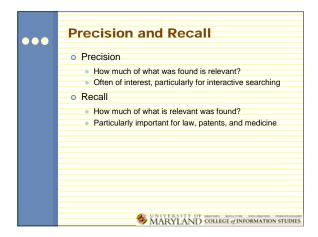


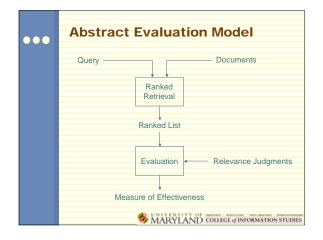


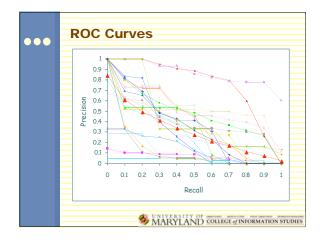






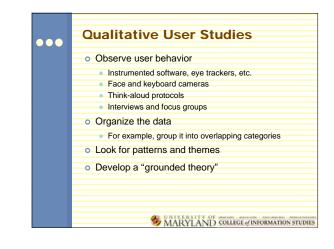








•••	Quantitative User Studies
	 Select independent variable(s)
	 e.g., what info to display in selection interface
	 Select dependent variable(s)
	 e.g., time to find a known relevant document
	 Run subjects in different orders
	 Average out learning and fatigue effects
	 Compute statistical significance
	 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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