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Project:	<i>Personalized Structuring of Retrieved Items</i>		
<h3>What/Why?</h3> <ul style="list-style-type: none"> • Large collections of unstructured data with valuable information (e.g. the Web, but also personal data) • Search engines determine relevance on general criteria \Leftrightarrow Relevance is strongly user-dependent • Structuring search results for easier information access • Taking user differences and similarities into account • Development of performance measures & evaluation settings, if possible without expensive user studies 		<h3>Results so far:</h3> <ul style="list-style-type: none"> • Developed a framework for testing (meta search engine, user profiling system) • Performance measure for hierarchical classification • Hierarchical classification with user structures \Rightarrow some improvement over standard classifiers • Hierarchical clustering with user structures \Rightarrow adaptation to user specific structuring is possible 	
<h3>How?</h3> <ul style="list-style-type: none"> • Hierarchical classification or clustering based on existing user structure <ul style="list-style-type: none"> ○ Incorporated class similarities, prediction error, or utility (or loss) values ○ Weighting terms to reflect structuring behavior • Building User Profiles • Enriching data with data from others (e.g. for labeling) • Grouping only parts of a profile (interest based) instead the entire one • Performance evaluation <ul style="list-style-type: none"> ○ On benchmark datasets ○ User study less applicable (long-term impacts) ○ Further work on our system to allow for testing in the real world 			