

## Capturing Knowledge Of User Preferences Ontologies In

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### Capturing Knowledge Of User Preferences

Tools for filtering the World Wide Web exist, but they are hampered by the difficulty of capturing user preferences in such a dynamic environment. We explore the acquisition of user profiles by unobtrusive monitoring of browsing behaviour and application of supervised machine-learning techniques coupled with an ontological representation to extract user preferences.

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### (PDF) Capturing Knowledge of User Preferences: ontologies ...

Capturing knowledge of user preferences: ontologies in recommender systems Stuart E. Middleton, David C. De Roure and Nigel R. Shadbolt Department of Electronics and Computer Science University of Southampton Southampton, S017 1BJ, UK Email : {sem99r,dder,nrs}@ecs.soton.ac.uk ABSTRACT Tools for filtering the World Wide Web exist, but they are

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### Capturing Knowledge of User Preferences: ontologies on ...

Capturing knowledge of user preferences with recommender systems by Stuart Edward Middleton Capturing user preferences is a problematic task. Simply asking the users what they want is too intrusive and prone to error, yet monitoring behaviour unobtrusively and finding meaningful patterns is both difficult and computationally time consuming.

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• Knowledge capture of user profiles Capturing knowledge of user preferences with recommender systems Collaborative similarity Behaviour correlation finds similar users (e.g. Pearson r) New information comes from similar users Our approach - Multi-class profile Classes explicitly represent using domain ontology

### Capturing knowledge of user preferences with recommender ...

Capturing accurate user preferences is however, an essential task if the information systems of tomorrow are to respond dynamically to the changing needs of their users. This thesis examines the issues associated with building user profiles for a recommender system from unobtrusively monitored user behaviour.

### Capturing Knowledge Of User Preferences With Recommender ...

activities necessary to harvest and capture knowledge for re-use and adaptation by others: 1. Identify a customer for the knowledge. Have a clear customer - current or future - in mind when considering the need to capture knowledge. Who will use the knowledge, what needs will it address, and how will people access it?

### 10-Step Guide to Knowledge Capture - Greenes Consulting

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