NETWORK OF EXCELLENCE ON DIGITAL LIBRARIES

Access to Digital Libraries: Close-up and Personal

Yannis Ioannidis University of Athens, Hellas (Greece) yannis@di.uoa.gr



Rebirth of the Field

DIGITAL LIBRARIES

KNOWLEDGE COMMONS

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Future Digital Libraries

Content-centric Person-centric Targeted for static storage Targeted for active communication/collaboration



Future Digital Libraries

Content-centric Person-centric

PERSONALIZATION

Delos

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What is Personalization?

Personalization

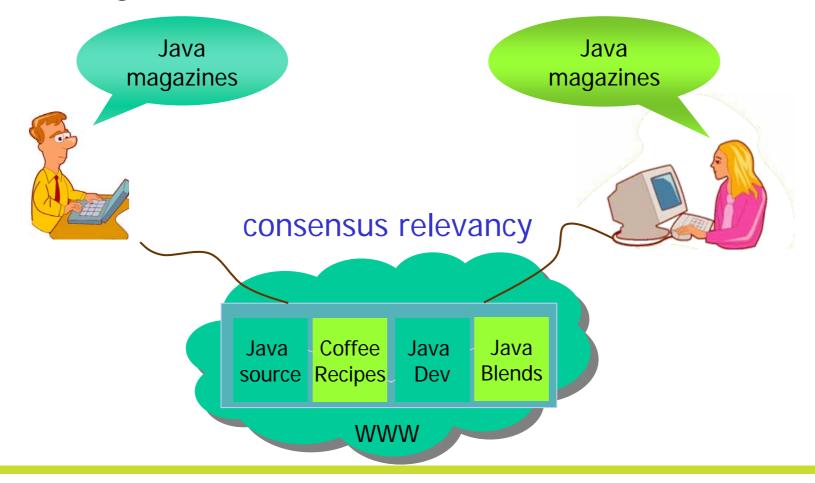
... providing an overall customized, individualized user experience by taking into account the <u>needs</u>, <u>preferences and characteristics</u> of a user or group of users.



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Personalized Search

Search engines are "deterministic"

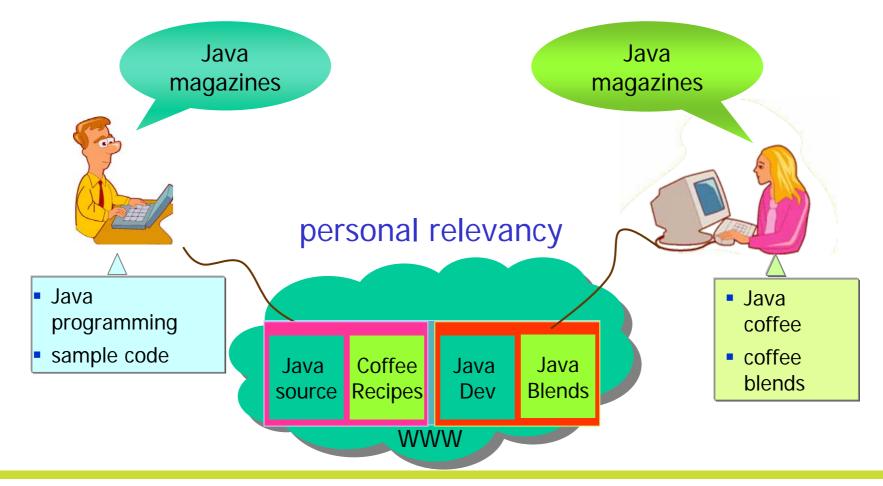




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Personalized Search

One size does not fit all



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User Models



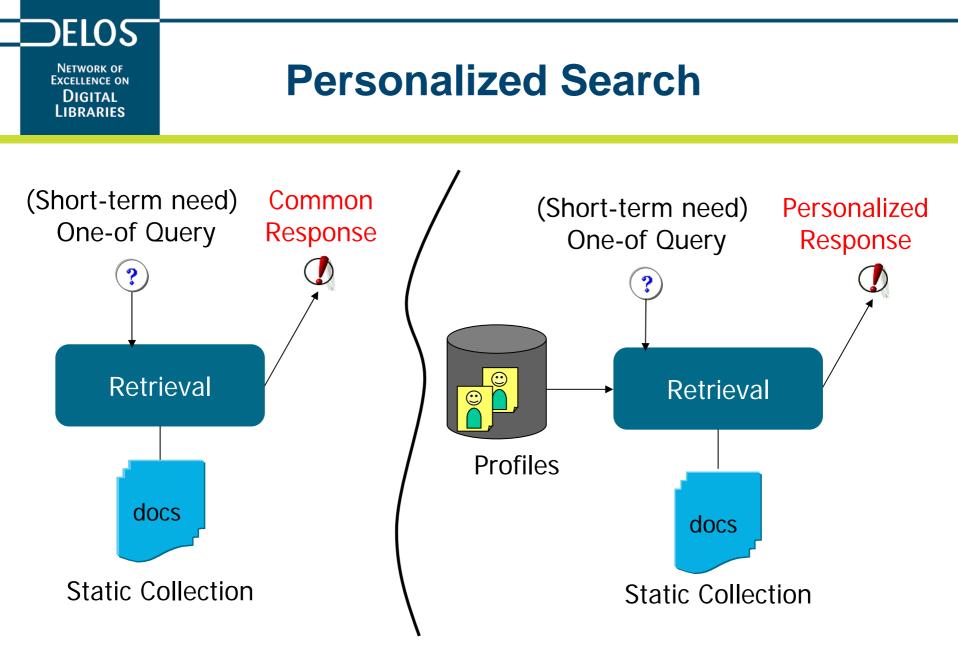
Personal data	Id, name,
Background	Education, expertise
Demographic data	Age, marital status,
Behavioral data	Behavior patterns,
Preferences	Interests,
Accessibility	Disabilities,
Transient	Time, platform, connectivity, location

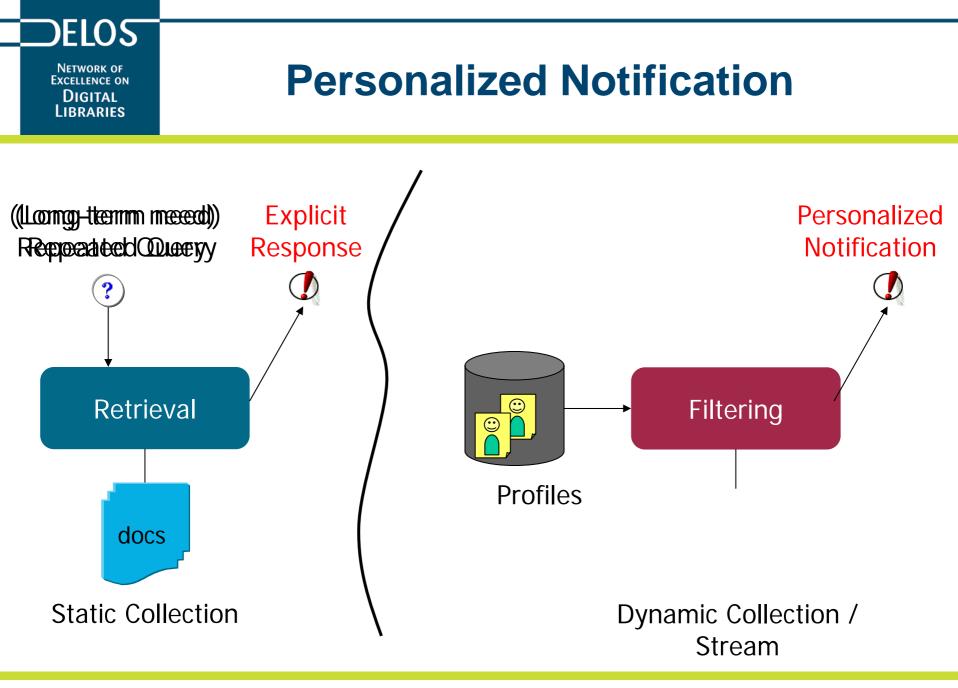
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Preferences

- I like W. Allen very much
- I like adventures only a little
- I don't like thrillers at all
- I prefer a movie duration to be around 2 hours
- I prefer downtown theatres and I'm frustrated with everything else
- I like movies without violence
- I' m interested in the director of a movie
- I don't care about the cast

I like N. Kidman more than J. Roberts

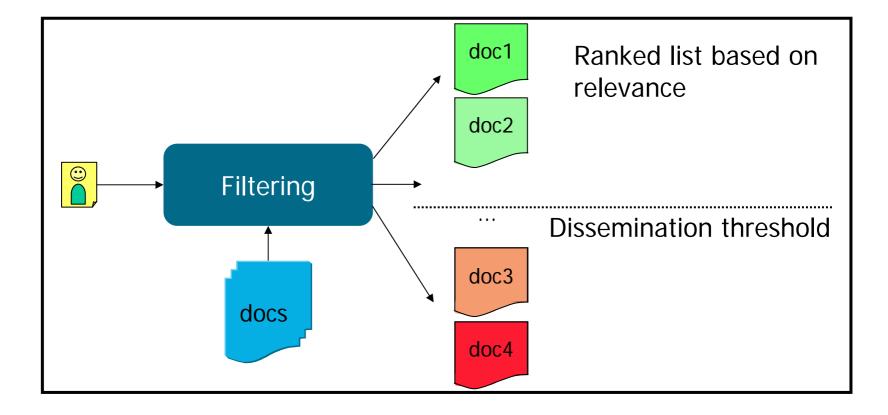


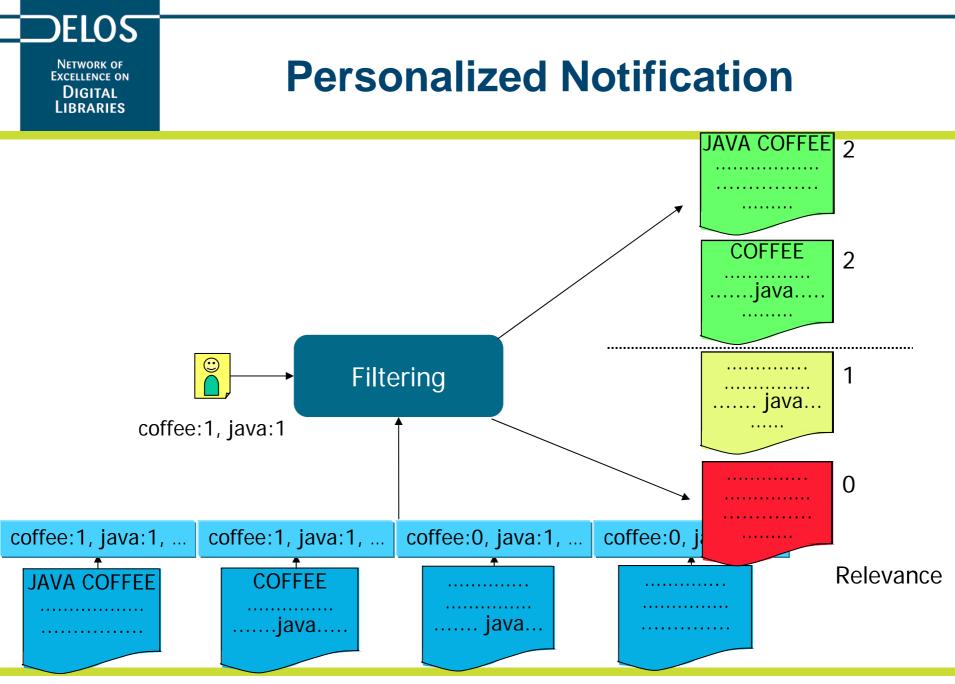




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Personalized Notification







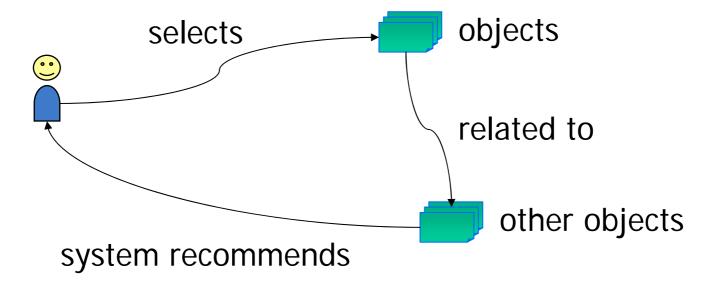
Recommenders

A recommender system is any system that offers information not requested by the user but is

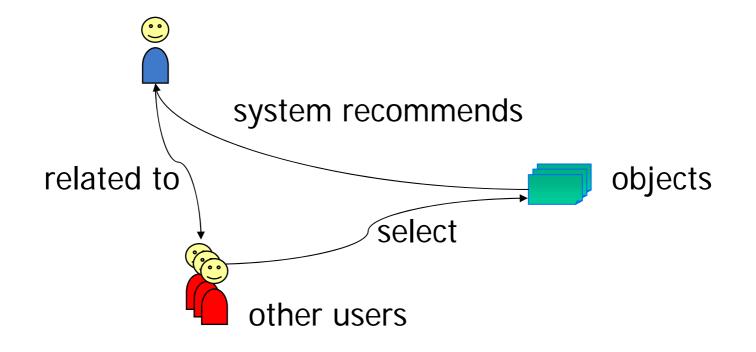
- either similar information to that requested
- or information requested by similar users



DIGITAL LIBRARIES Recommenders



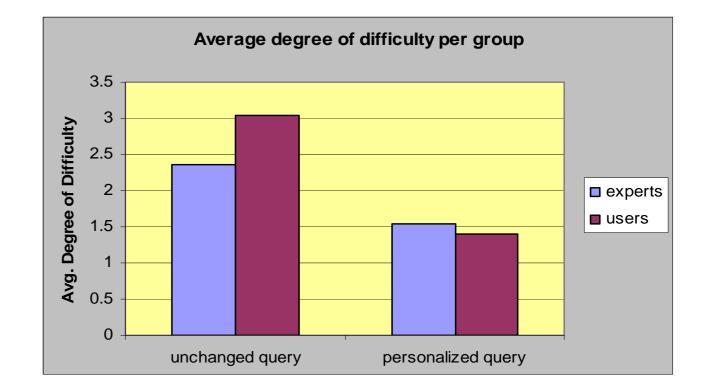






Personalized Search

Evaluation

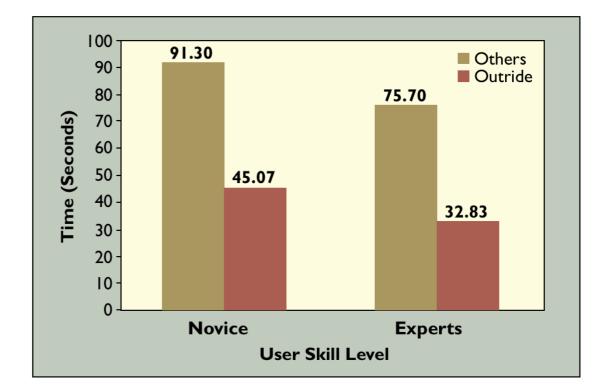




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Personalized Search

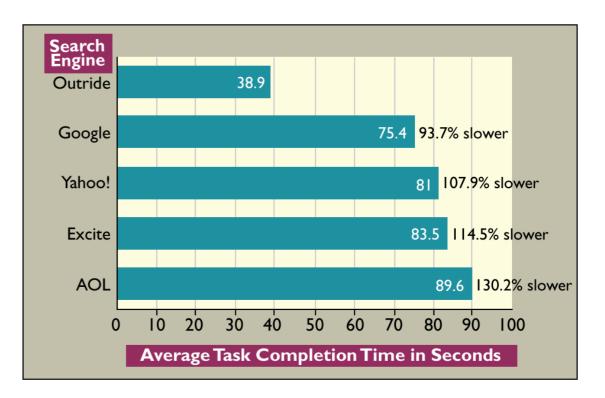
Evaluation



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Personalized Search

Evaluation





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Future Digital Libraries

Targeted for static storage Targeted for active communication/collaboration

ANNOTATION