

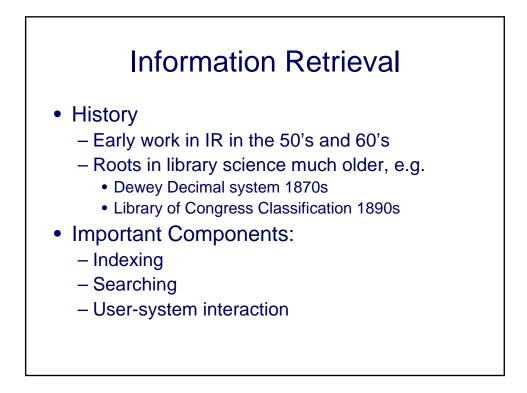
Information retrieval

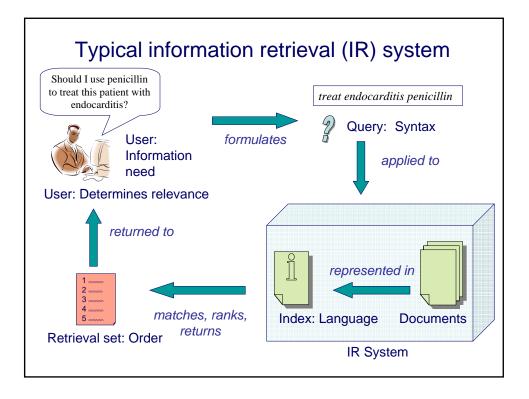
"Information retrieval (IR) deals with the representation, storage, organization of, and access to information items."

- Baeza-Yates and Berthier Ribeiro-Neto in Modern Information Retrieval, p. 1

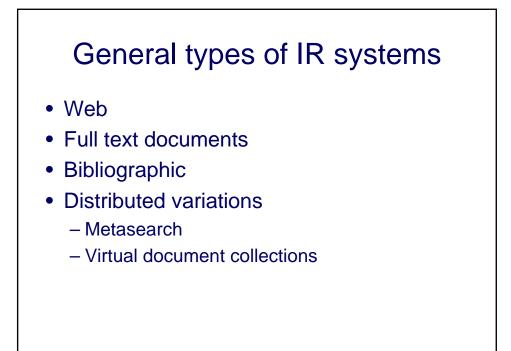
"Information retrieval is often regarded as being synonymous with document retrieval and, nowadays, with text retrieval, implying that the task of an IR system is to retrieve documents or texts with information content that is relevant to a user's information need ... the approaches that have been developed for this purpose are also applicable to a whole family of related information processing tasks that lie between, on the one hand, data retrieval and, on the other, fact or knowledge retrieval."

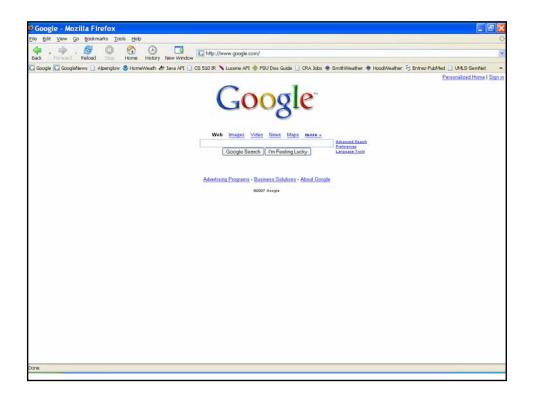
- Sparck Jones and Willett in Readings in Information Retrieval, p. 1

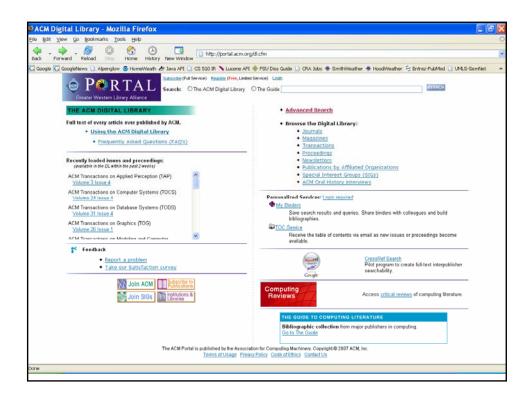




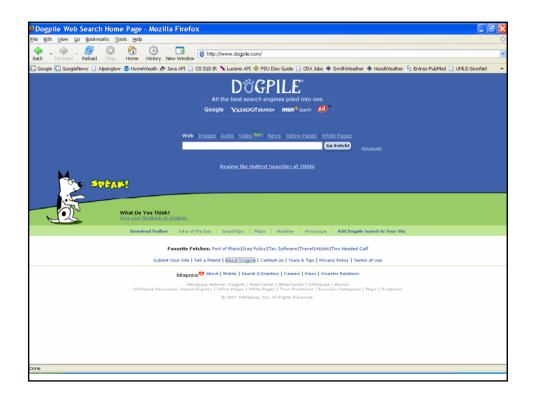
	DBMS	IR System
Target		
Queries / Query language		
Matching		
Results		







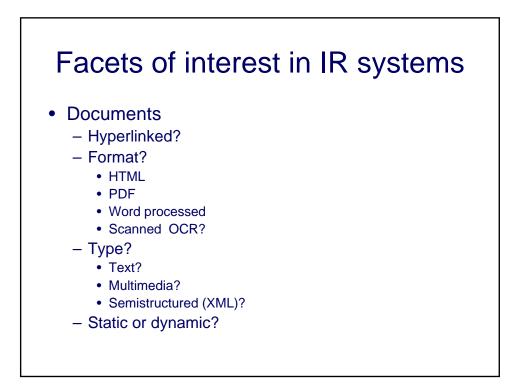
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tanford Univ	1440				
U Dresden exas A&H	67 163 Title	The Efficiency of Multimodal Interaction for a Map-based			
rinity College Dublin	157				
urku Centre for CS Aricona	384	Task			
Athens	31 Authors	Cohen, Philip R. McGee, David Clow, Josh			
Berkeley Berlin	1371 44 Abstract	This paper compares the efficiency of using a standard			
Roloma	366	direct-manipulation graphical user interface (GUI) with that of			
		using the OuickSet nen/voice multimodal interface for supporting a			
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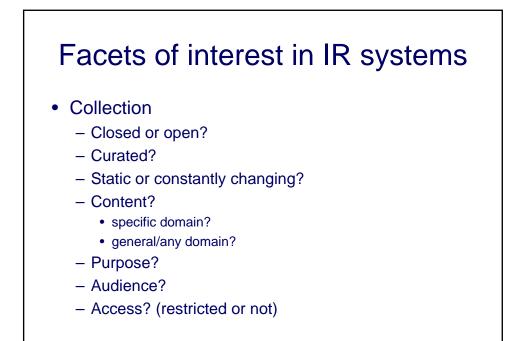


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	•		
3844	Nucleotide: sequence database (includes GenBank)	12	111 🥝 UniGene: gene-oriented clusters of transcript sequences
3956	Protein: sequence database	œ	S 😥 CDD: conserved protein domain database 🛛 🔞
36	Genome: whole genome sequences	(2)	68 🤣 3D Domains: domains from Entrez Structure 🛛 🛛
19	2 Structure: three-dimensional macromolecular structures	. 00	141 🏷 UniSTS: markers and mapping data 🛛 🛛
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764	5NP: single nucleotide polymorphism	09	64272 🙀 GED Profiles: expression and molecular abundance profiles 🛛 🛛
978	Bene: gene-centered information	00	10 🗃 GEO DataSets: experimental sets of GEO data 🛛 🛛
90	HomoloGene: eukaryotic homology groups	(3)	none
none	PubChem Compound: unique small molecule chemical structures		PubChem BioAssay: bioactivity screens of chemical substances
10	PubChem Substance: deposited chemical substance records	(2)	16 GENSAT: gene expression atlas of mouse central nervous system
none	Genome Project: genome project information	(3)	740 Probe: sequence-specific reagents
none	Gap: genotype and phenotype	09	
none	Journals: detailed information about the journals indexed in PubMi and other Entrez databases	nd 00	17 🌸 MeSH: detailed information about NLM's controlled vocabulary 🛛 🛛
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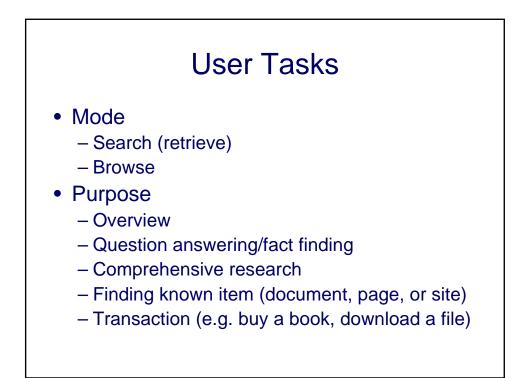
Facets of interest in IR systems

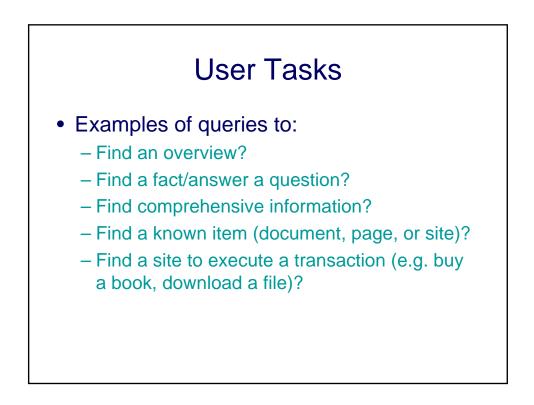
- Site
 - single controlled website (e.g. intranet)
 - distributed across multiple sites

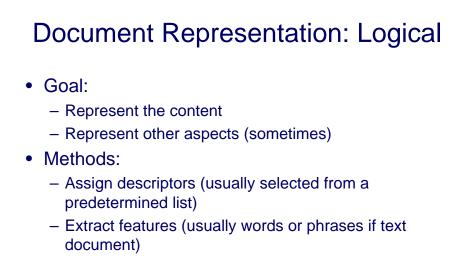




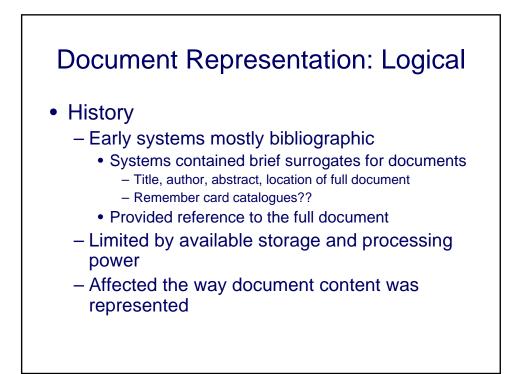








Other (e.g., try to anticipate what questions the document could answer)



Document Representation: Logical

- Methods:
 - Manual
 - usually assign terms from a controlled vocabulary
 - Automatic
 - usually extract terms from the document
- Considerations:
 - Size of the representation
 - Improve likelihood of appropriate matching to queries



Abstract: The objectives of this study were to determine if (1) children with migraine experience greater sleep disturbances than their siblings, (2) those with more severe migraine have greater levels of sleep disruption, and (3) these sleep disturbances lead to greater behavioral problems and more missed school. Children aged 6 to 18 years with a diagnosis of migraine for > 6 months, who had at least one sibling without migraine in the same age range, were identified through our neurology clinic database or at the time of the clinic visit. Parents completed the (1) demographic, general health, and migraine information questionnaire; (2) Child Sleep Habits Questionnaire; and (3) Behavior Assessment System for Children: Second Edition (BASC-2) Parent Rating Scales for each child. Cases with migraine had higher total sleep (P < .02), sleep delay (P < .03), and daytime sleepiness scores (P < .001) than controls. Cases with more severe migraines had higher total sleep (P < .01) and sleep duration scores (P < .03) than those with milder headaches. In cases, higher total sleep ...

Assigned Indexing Terms: Activities of Daily Living Adolescent **Case-Control Studies** Child **Child Behavior** Disorders/*complications/psychology Circadian Rhythm/physiology Female Humans Male Migraine Disorders/*complications/psychology Severity of Illness Index Sleep Disorders/*complications/psychology Sleep Stages/physiology Wakefulness/*physiology

