

Web experiments and test collections: Are they meaningful?

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David Hawking and Nick Craswell coordinate the
TREC Web experiments.

Introduction: TREC (Web) experiments

- x Many groups participate in the same experiment, with fixed queries, documents and “goals”.
- x Many groups: Invention and confirmation
- x Central judging: Blind and fair
- x Static crawl. Reproduce results. Reusable?
- x Debate on methodology
- x (We know what works in TREC ad hoc. Meaningful.)
- x Web. What works?

History of the TREC Web track

1998 Link ranking papers. No WT.

WT99–WT01 Web data and short queries.

Meaning: Links \Rightarrow Relevance

2001 SIGIR: Searching for home pages by name

Links \Rightarrow Home pages

Full text search \Rightarrow Home pages

WT01 Links and URL type \Rightarrow Home pages (meaningful)

WT02 GOV, Named pages & Topic distillation

Topic distillation

Relevance ranking "Computer science"	Relevant Distilled	
tsg.anu.edu.au/Services/Ais/ATLES/xtable.csv	x	
cs.anu.edu.au/pipermail/seminars/2002-March/thread.html	x	
cs.anu.edu.au/pipermail/seminars/2002-March/subject.html	x	
cs.anu.edu.au/pipermail/seminars/2002-March/author.html	x	
cs.anu.edu.au/pipermail/seminars/2002-March/date.html	x	
cs.anu.edu.au/pipermail/seminars/2002-March/index.html	x	
anulib.anu.edu.au/clusters/science/subjects/comput.html	x	
cs.anu.edu.au/lib/cs-oz.shtml	x	
cs.anu.edu.au/lib/cs-oz.html	x	
cs.anu.edu.au/~David.Wolfram/CTTcites.html	x	
Topic distillation "Computer science"		
feit.anu.edu.au/	x	x
cs.anu.edu.au/	x	x
anulib.anu.edu.au/clusters/science/collection/		
geography.anu.edu.au/		
engn.anu.edu.au/	x	x
tltsu.anu.edu.au/	x	x
ecocomm.anu.edu.au/		
anusf.anu.edu.au/	x	x
www.anu.edu.au/legal/copyrit.html		
ecocomm.anu.edu.au/departments/stat/welcome.html		

Some issues

- x Binary judgments
- x Can't do Google-scale experiments
 - x Commercially interesting: Site, enterprise, 'GOV'
- x Site-site and enterprise-enterprise variation
- x Need:
 - x Keep developing methodology (ideas and criticism)
 - x Find out what works (e.g. anchors)