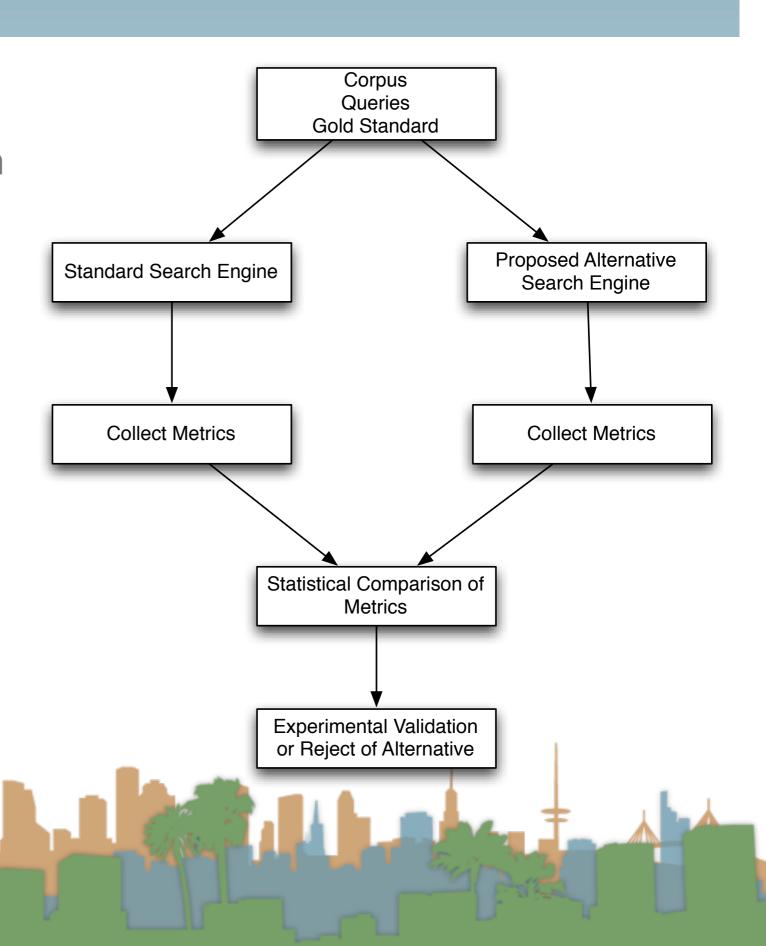
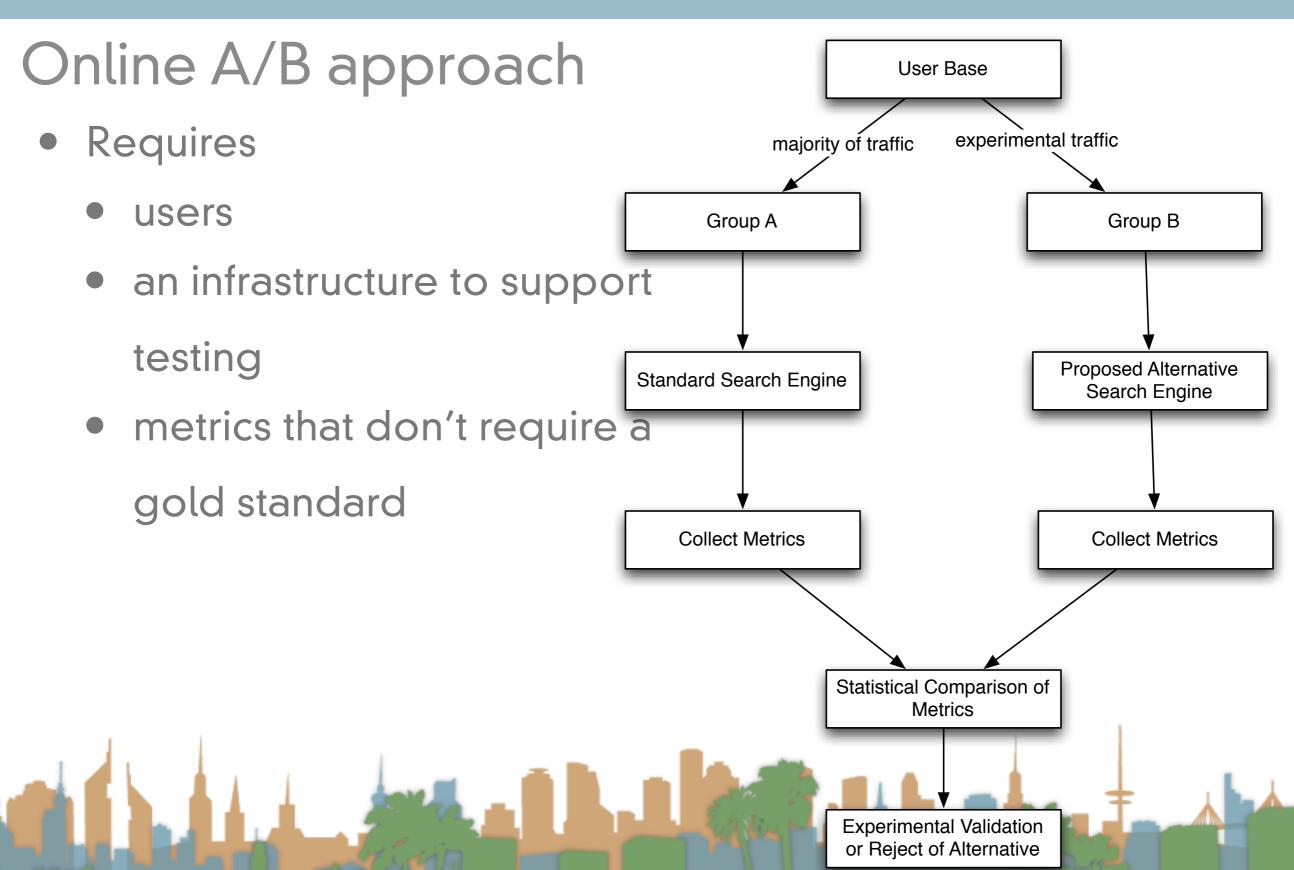
Refining a deployed system

- Once you have a system, with metrics, how do you consider changing the system to improve the metrics?
- A common approach is A/B testing.
 - This is done by Google for clients and Amazon for itself and probably many others.
- The idea:
 - Treat a small number of your users as experiments.
 - Have them use the different system.
 - Evaluate metrics on experimental group.

Evaluation in IR

Gold standard approach





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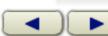
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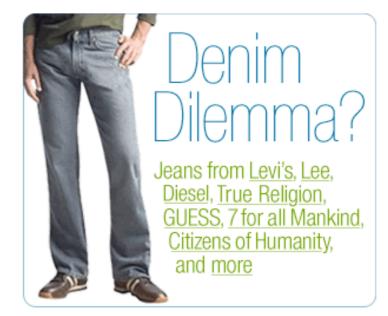


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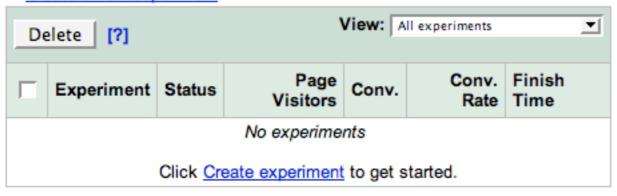
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 Tools > Website Optimizer

Website Optimizer (beta): Experiment List

- ✓ Congratulations! You've signed up for Website Optimizer and are ready to create your experiment.

 As you move through the steps, your information will be saved.
- + Create a new experiment



My Client Center User Access [?]



Take a survey

Common Questions

- How do I create an experiment?
- Do I need my webmaster's help?

Helpful Links

- Website Optimizer Help
- Website Optimizer Demo (Flash - English Only)
- Website Optimizer User Guide (Flash - English Only)
- Quick Start Guide
- Installation Guide
- · Testing Guides and Strategies
- Discussion Forum
- Website Optimizer Home Page
- · Send Us Feedback

Snippets

Little bits of text that summarize the page

Informatics - Wikipedia, the free encyclopedia

Informatics includes the science of information, the practice of information ... Informatics studies the structure, behavior, and interactions of natural and ... en.wikipedia.org/wiki/Informatics - 35k - Cached

- They function as an implicit tool for users to rank the results on their own (among those visible)
- The user does the final ranking
- Users are still biased by presented order though.



Snippets

- The goal of snippet generation is
 - present the most informative bit of a document in light of the query
 - present something which is self-contained
 - i.e., a clause or a sentence
 - present something short enough to fit in output
 - be fast, accurate (where are the snippets stored?)
- Challenges
 - Multiple occurrences of keyword in document
 - Poor English (or other language) grammar

Snippets

- Snippets can be static
 - A snippet for a web page is precompiled and always the same.
- Snippets can be dynamic
 - Depends on the query
 - "informatics"

Informatics - Wikipedia, the free encyclopedia

Informatics includes the science of information, the practice of information ... Informatics studies the structure, behavior, and interactions of natural and ...

en.wikipedia.org/wiki/Informatics - 35k - Cached

"informatics definition"

Informatics - Wikipedia, the free encyclopedia

Usage has since modified this **definition** in three ways. ... broader **definition** at the launch of its School of Computing and **Informatics** in September 2006. ... en.wikipedia.org/wiki/Informatics - 35k - Cached

Snippets

- Snippets may contain
 - A few sentences from the web page
 - Meta data about the page
 - Author, Date, Title
 - Output of a text-summarization algorithm
 - Advanced technology that attempts to write snippets
 - Images from the document

