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Presentation

<http://www.DavidLankes.org>

TITLE: The Future of Information Retrieval: Finding Conversations

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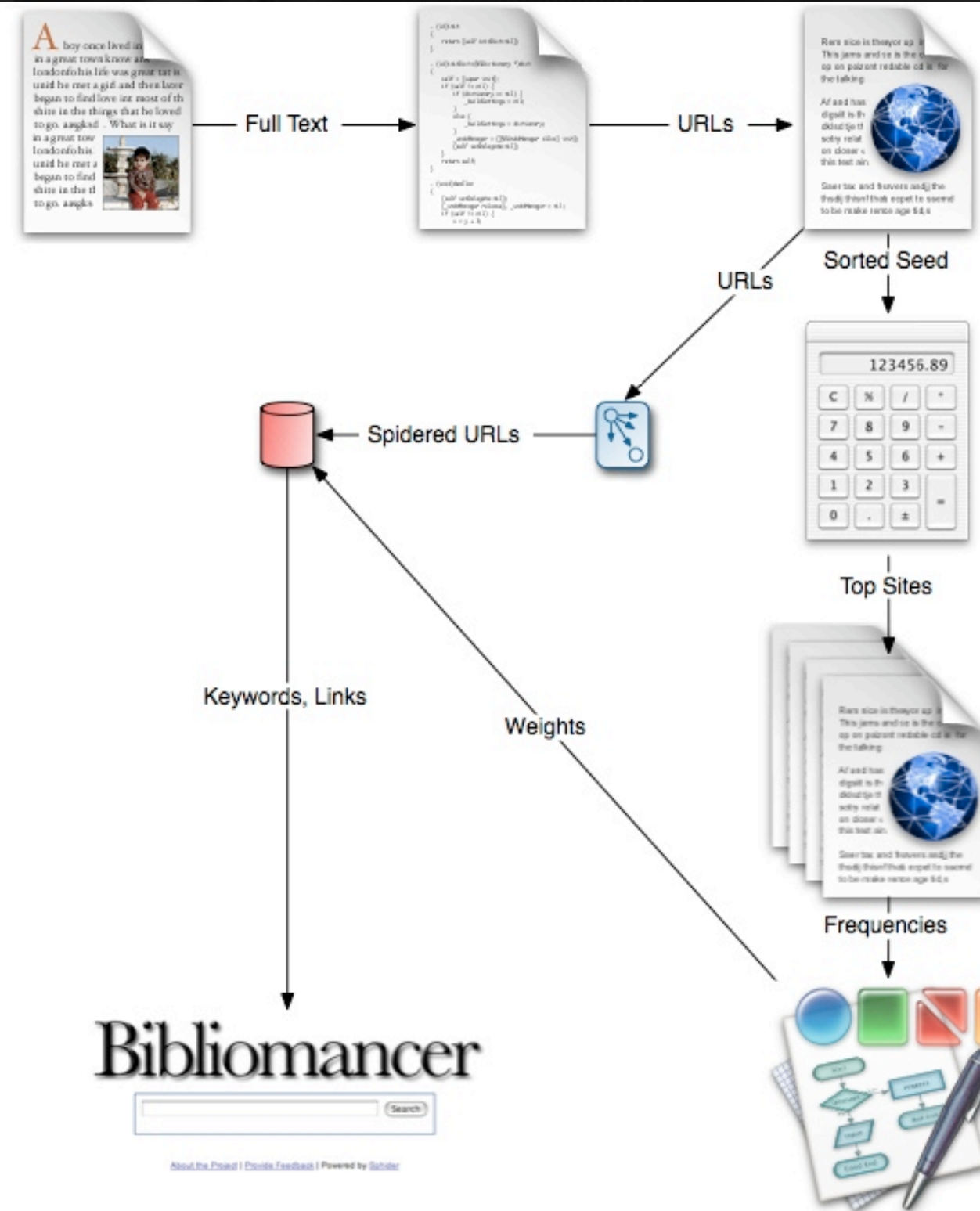
KEYWORDS: Participatory Librarianship, Information retrieval, digital reference, search



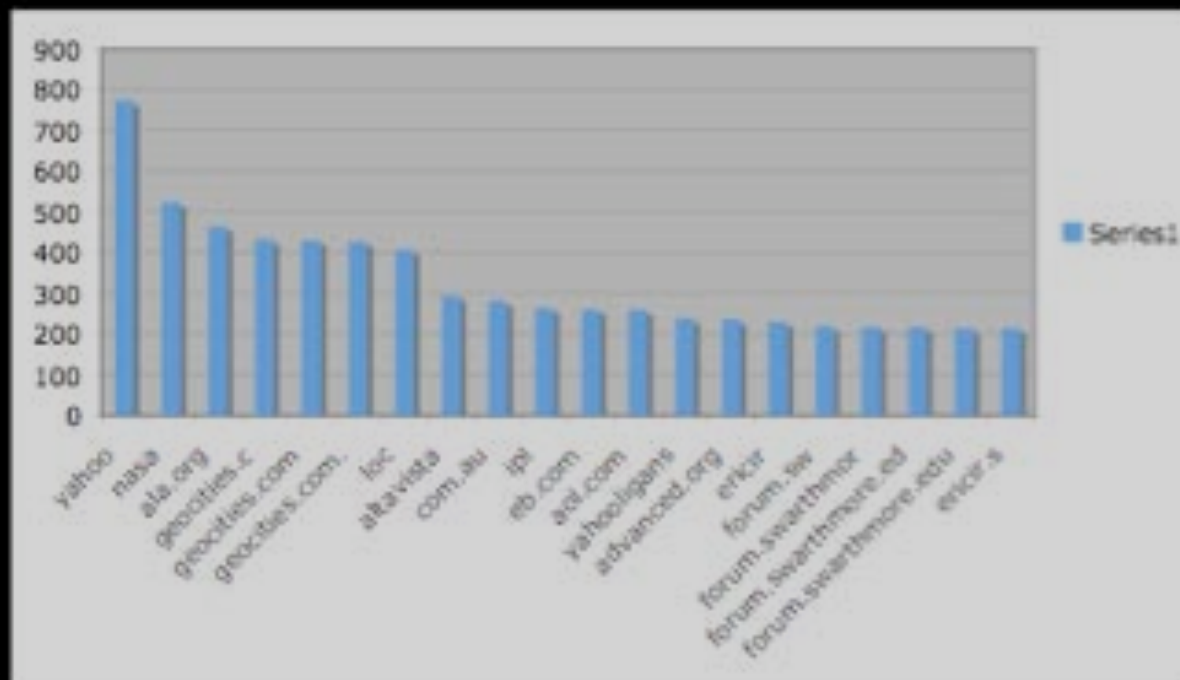
The Future of Information Retrieval: Finding Conversations

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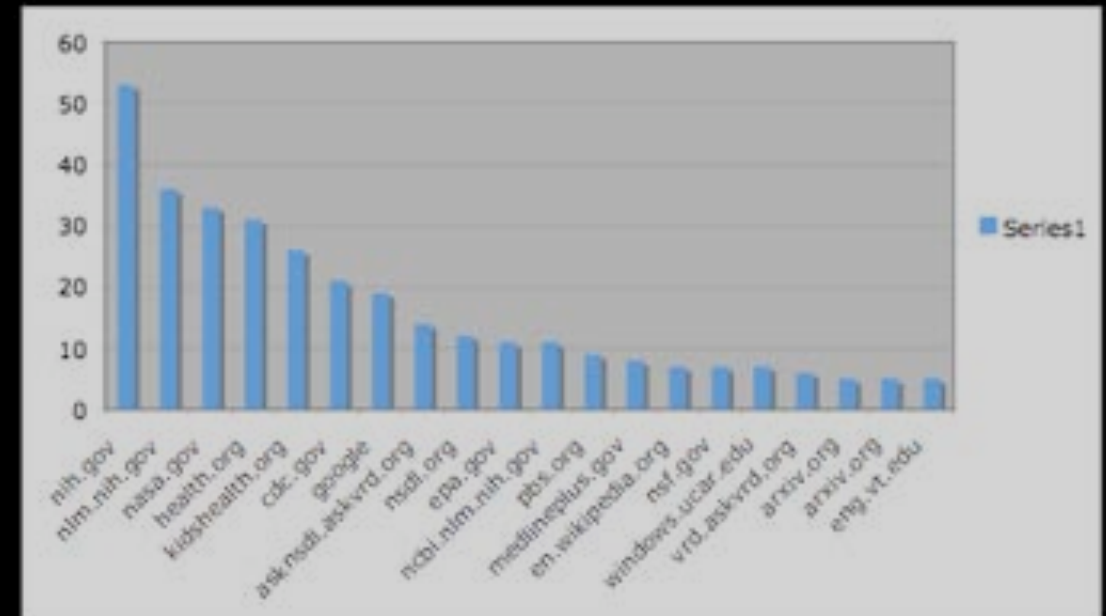
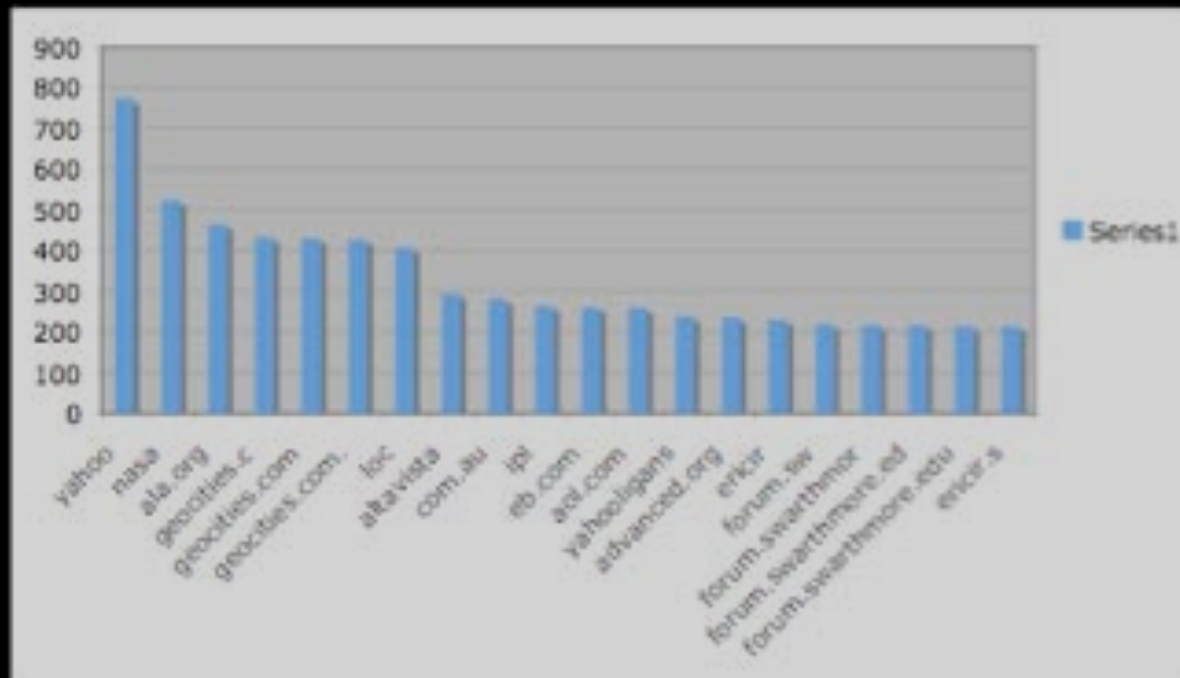
Reference EXTRACT



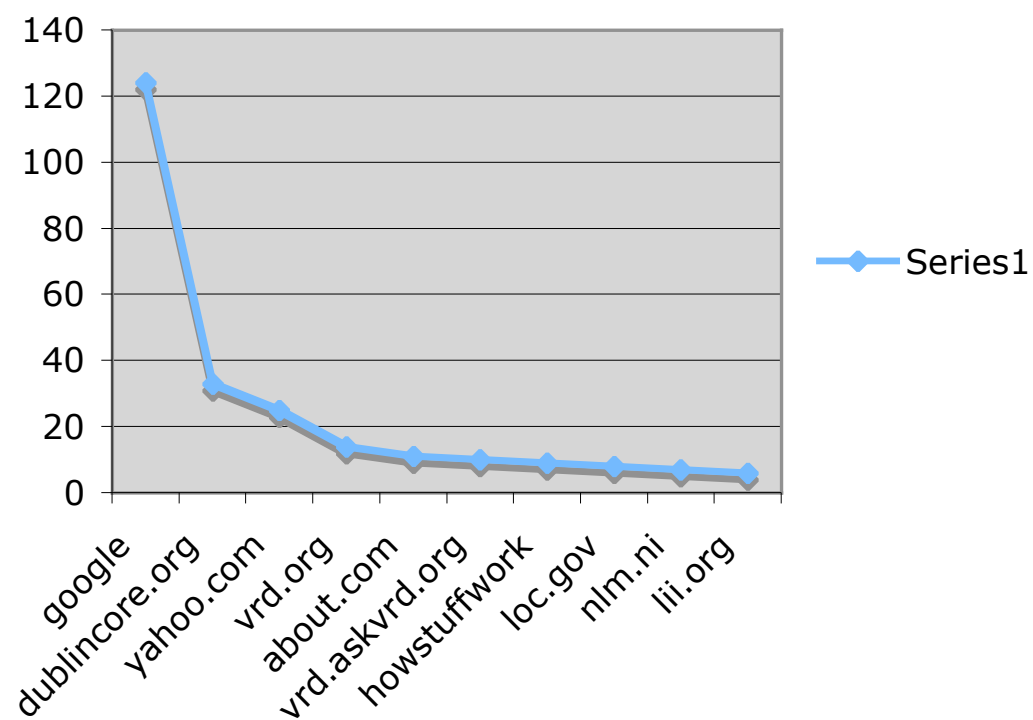
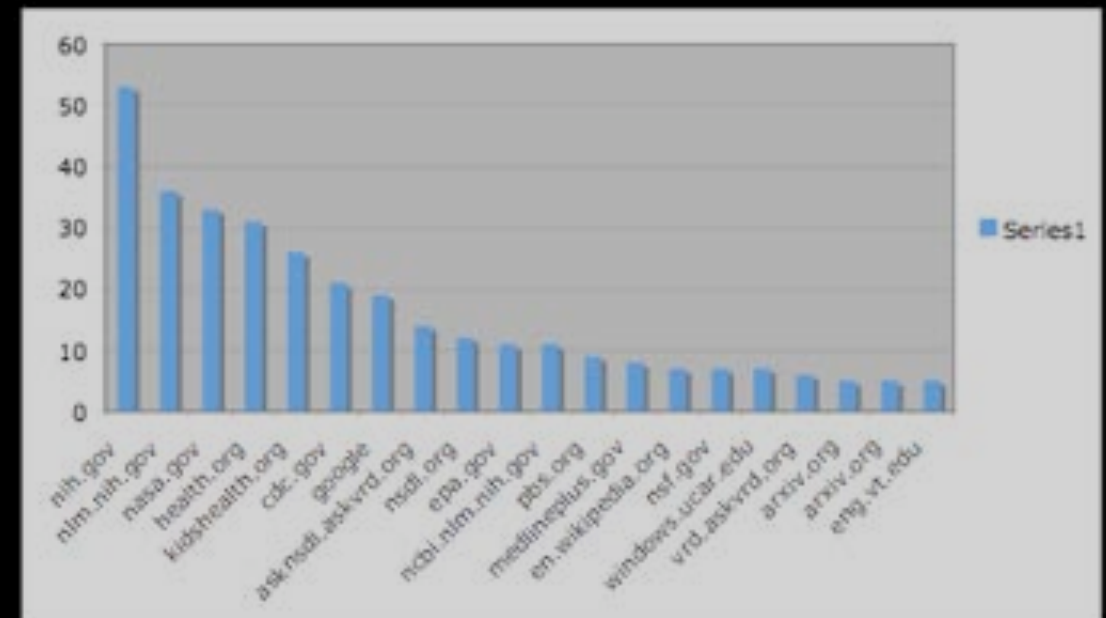
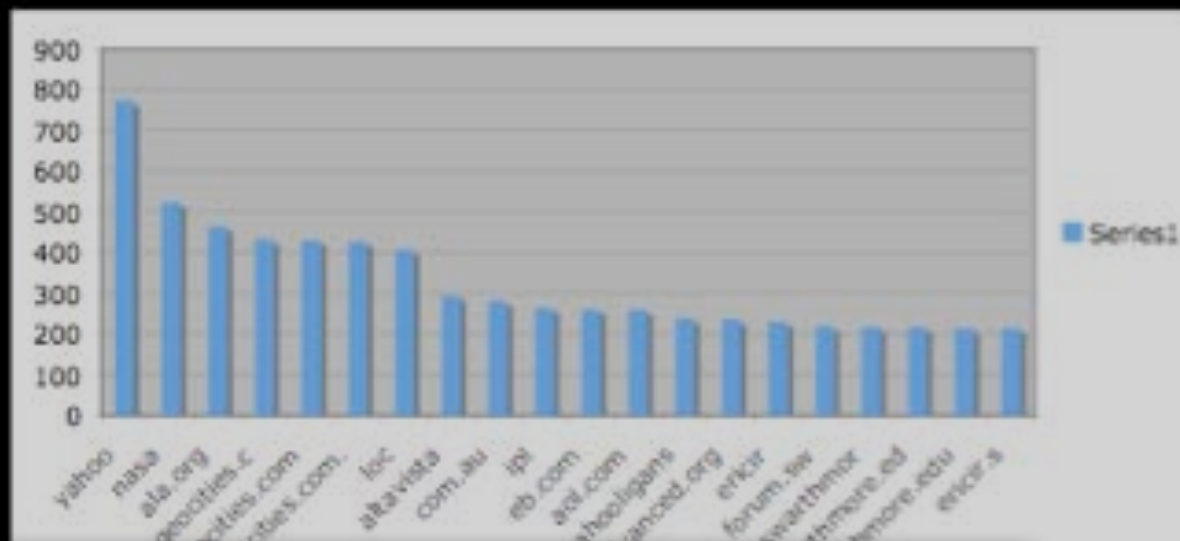
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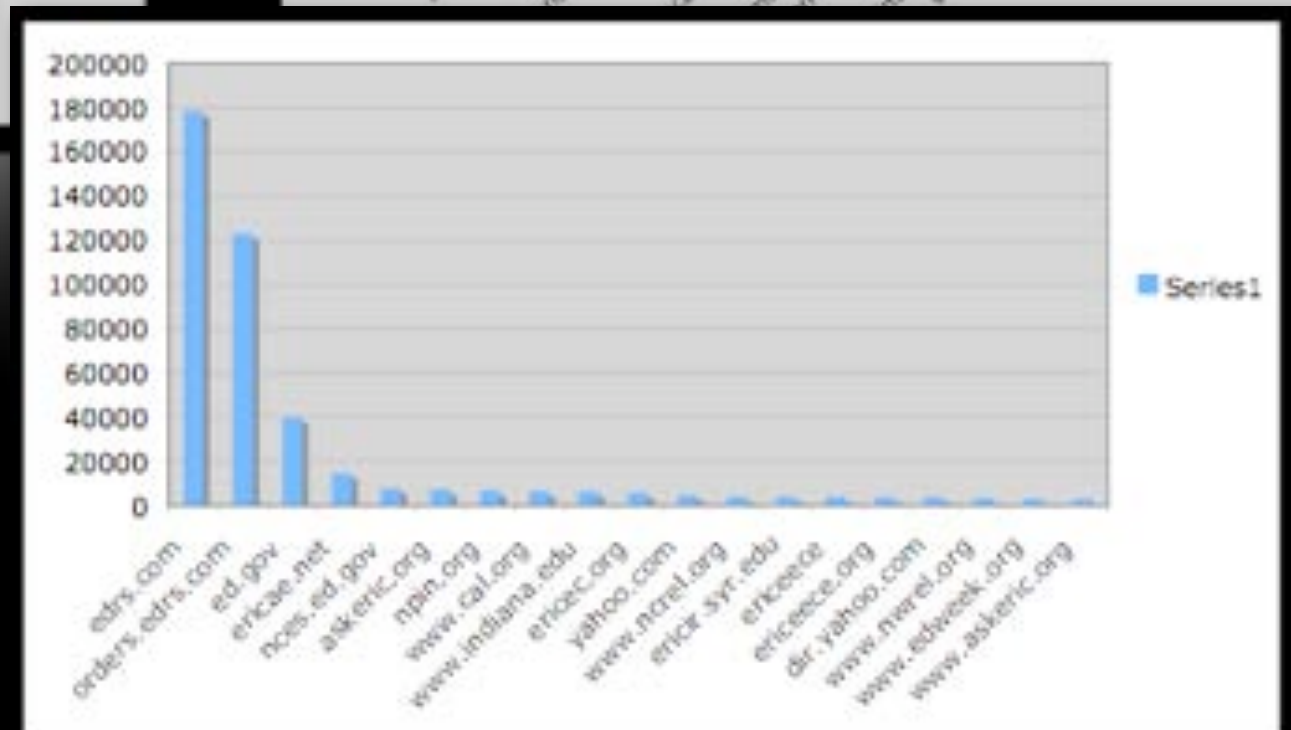
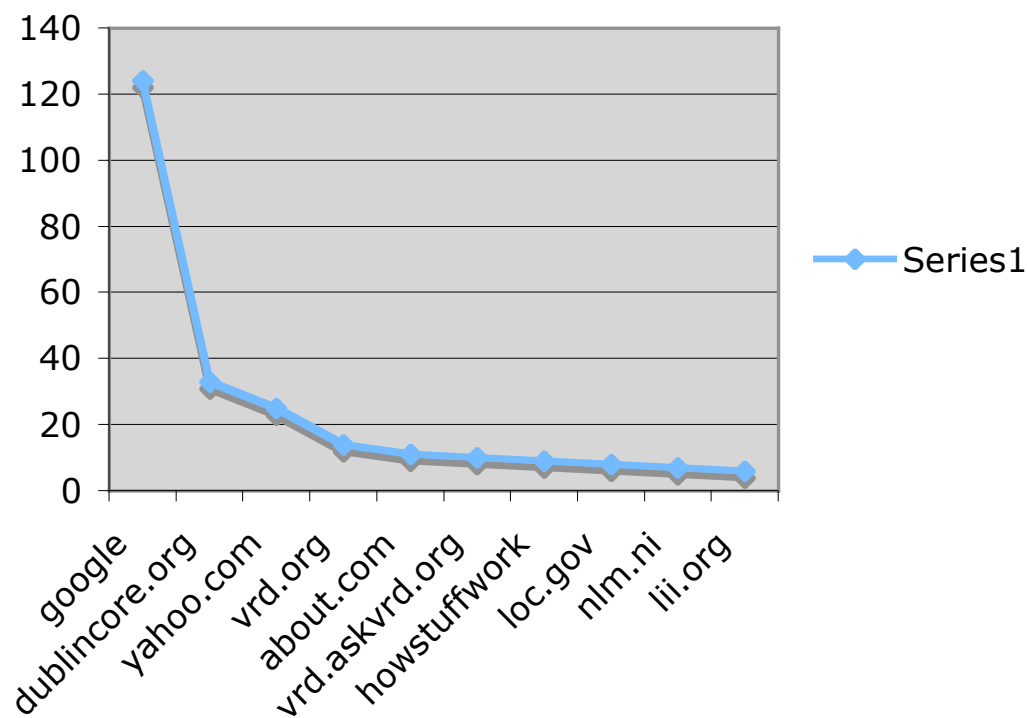
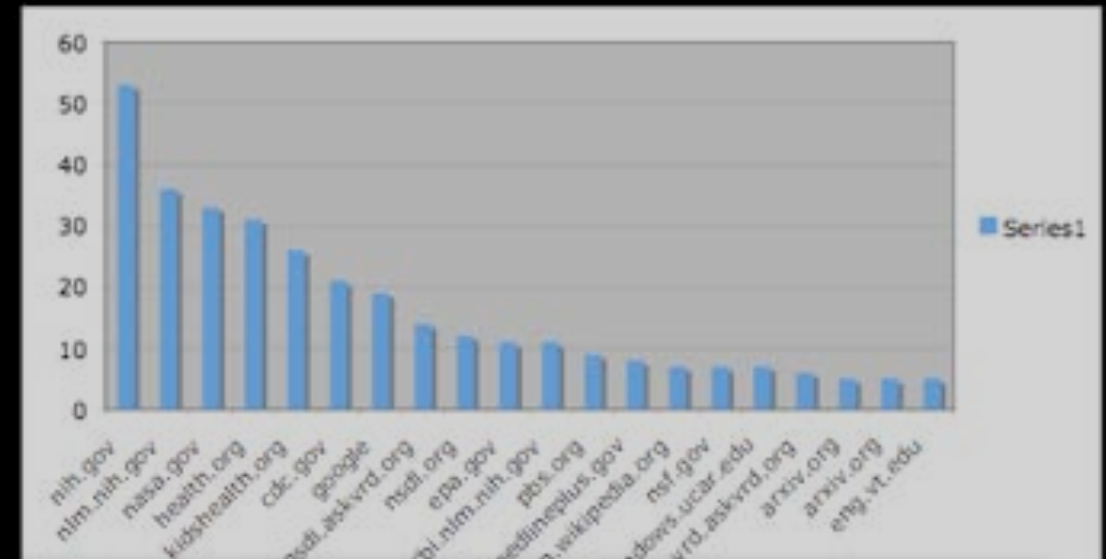
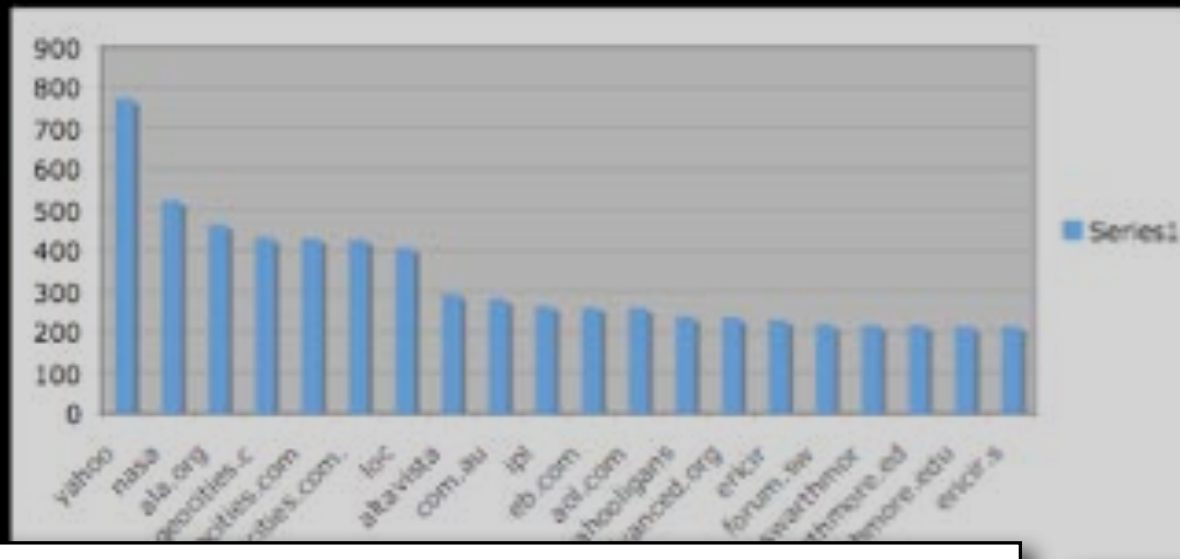
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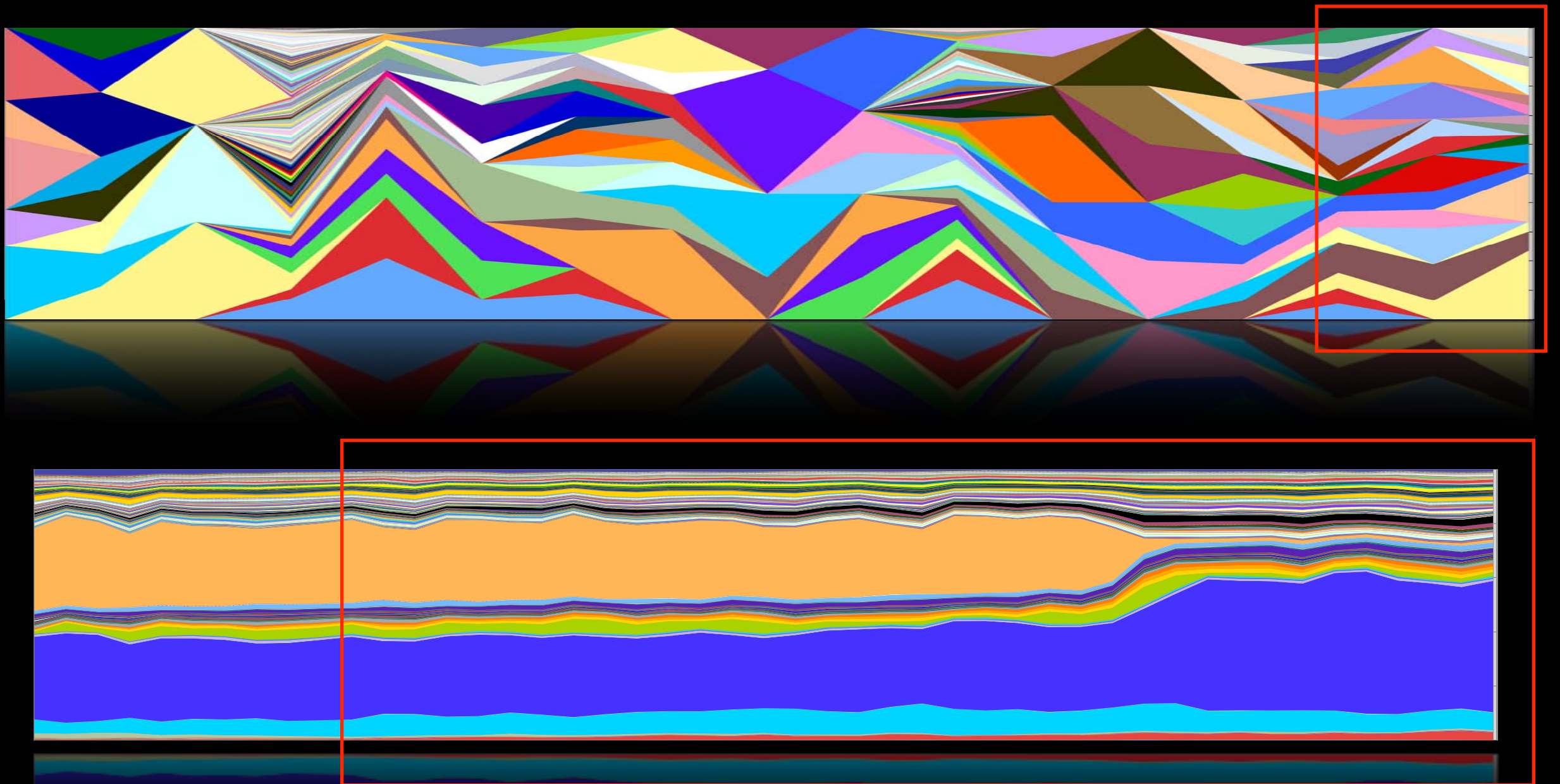
Reference Weighting



Reference Weighting



“Weighting Window”



The Dangers of Context-less Search

- Miwa's Question Paradox
- McClure's Citation Strategy



AT THE OUTLET MALL

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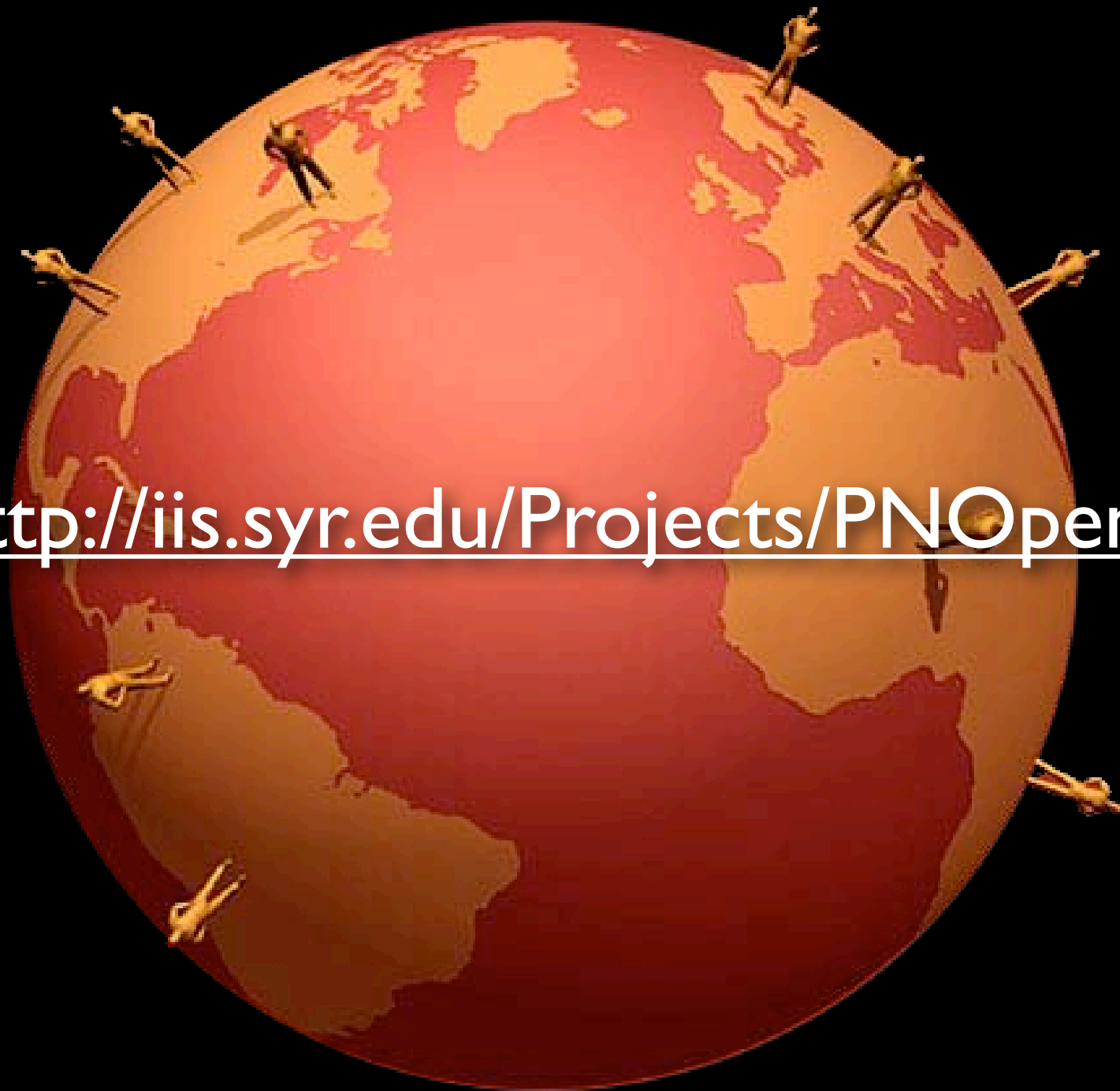
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AT THE OUTLET MALL

Participatory Librarianship

<http://iis.syr.edu/Projects/PNOpen>

- Knowledge is Created through Conversation
- Artifacts (Books, Video, Web Pages) are Simply By-Products
- Item Focus Must be Replaced by Conversation Focus



Decomposing Reference

Decomposing Reference



Decomposing Reference



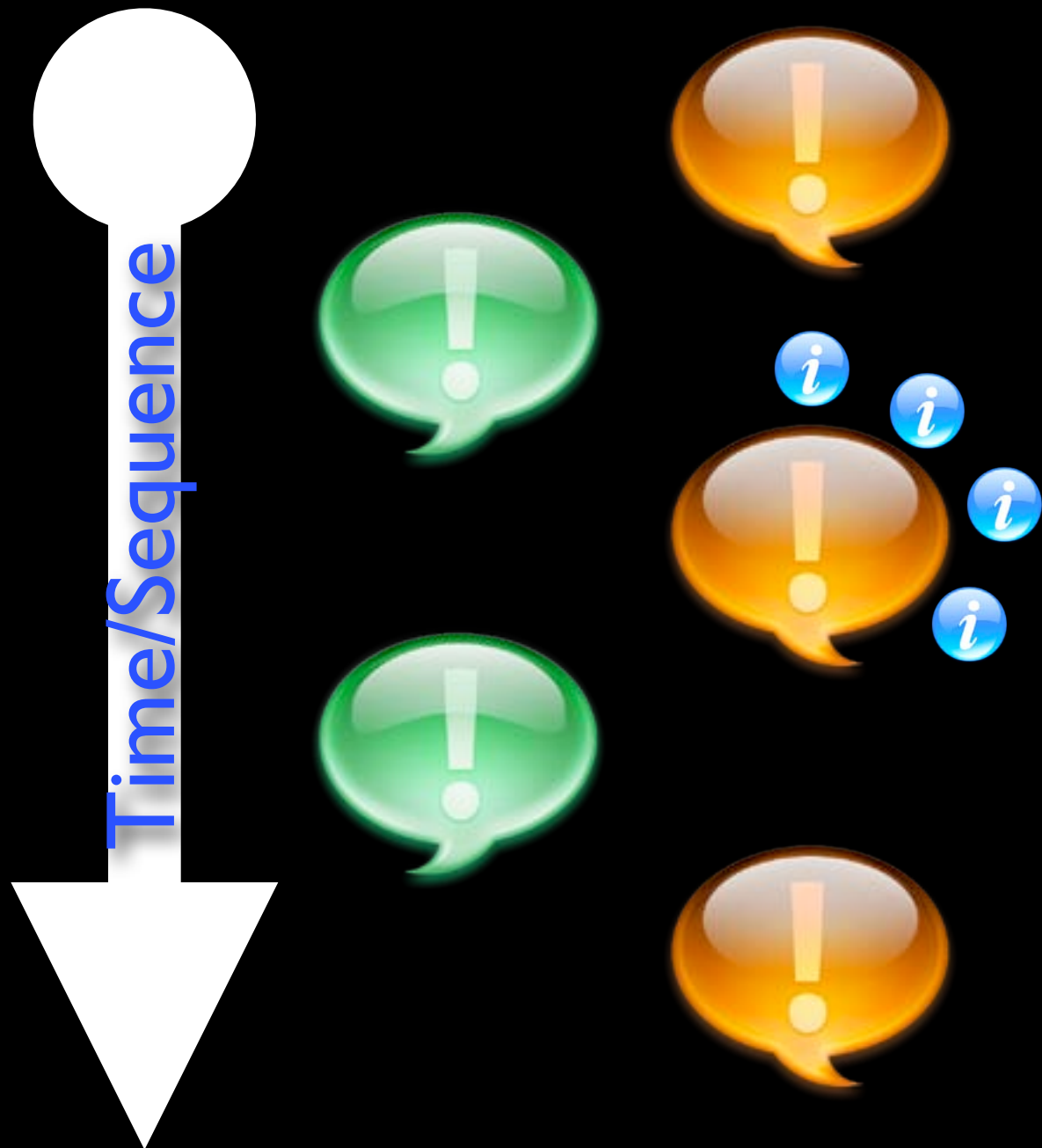
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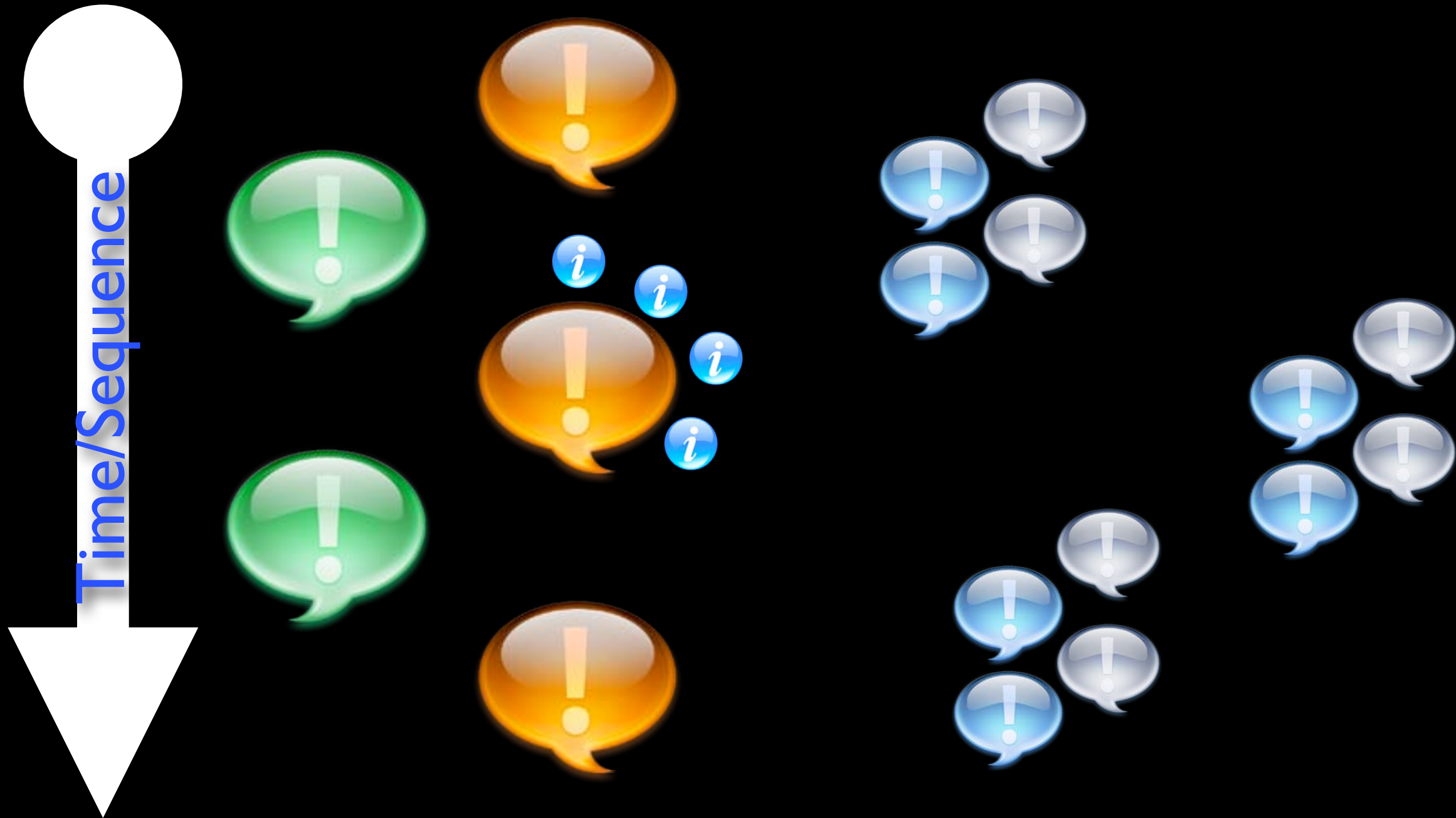
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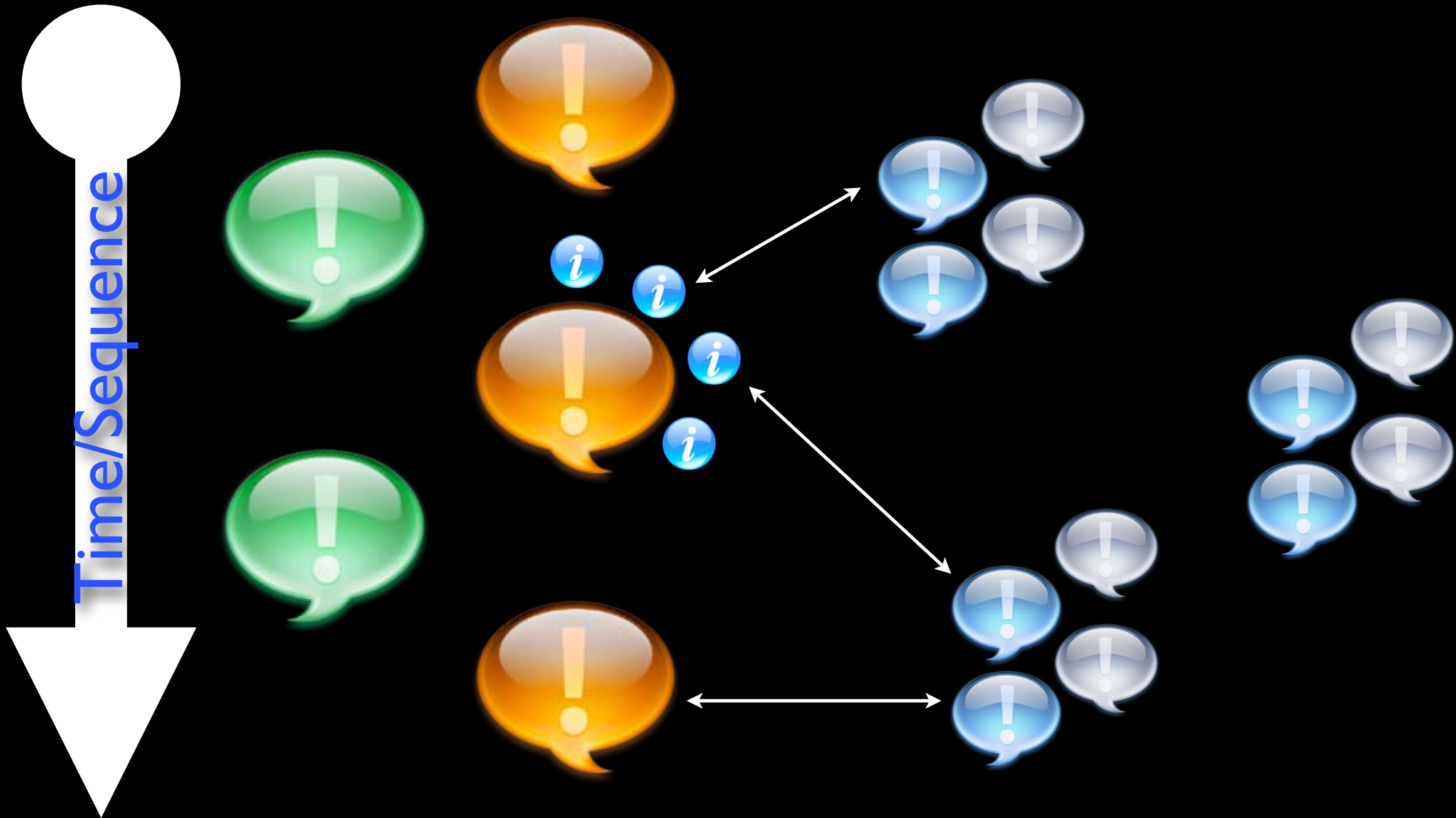
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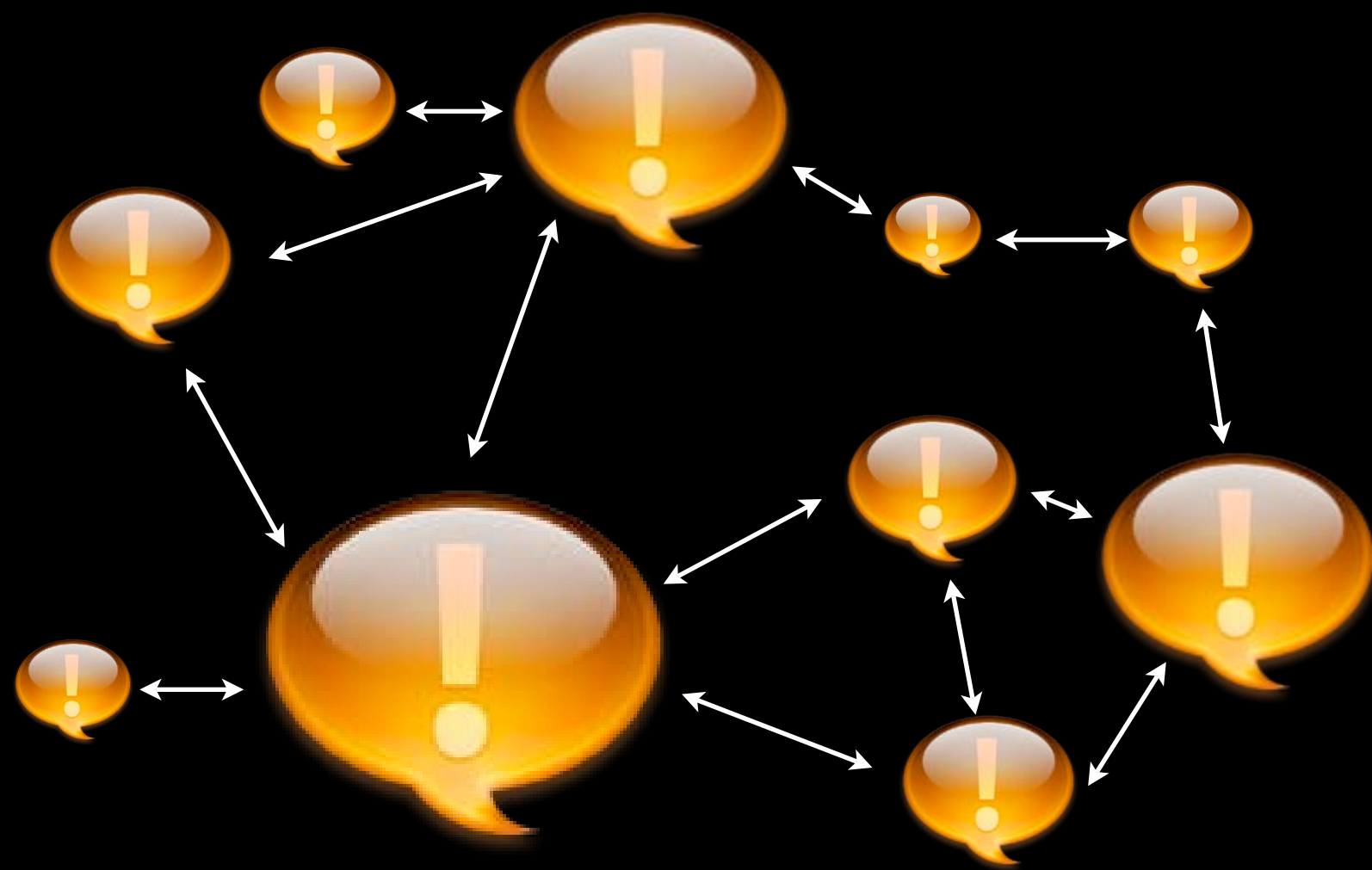
Decomposing Reference



Decomposing Reference



Conversation/ Document Model



- Bayesian Tree/
Prediction
- Revised
Reference
Weighting
- Graph Theory
with Nodes and
Edges

Participatory Networks: The Library as Conversation

Overview

Knowledge is created through conversation. Conversations can take place between friends and colleagues in the "here and now." But, they can also take place over centuries, with the participants changing but the theme remaining the same, and the conversation being recorded in thousands of artifacts, like books, pictures, and digital files. In many conversations users need sophisticated processes to facilitate the conversation. Facilitation not only enriches conversations with diverse and deep information, it also serves as a memory keeper, documenting agreements and outcomes to facilitate future conversations. The library serves this vital role for many communities.

The implication of this rather abstract concept is that libraries are in the conversation business. This theoretical argument can be seen in traditional brick-and-mortar libraries as library speaker series, book groups, and even the collection development processes. Yet online, the library has fallen far short of this ideal of conversation facilitator. Key library systems, such as the catalog for example, are at best one-way conversations. Libraries have a great opportunity to provide invaluable conversational, participatory infrastructure to their communities online. By adopting concepts and technologies from Web 2.0 and tightly integrating them into their services, libraries can advance not just their communities but also their positions within them.

The opportunities inherent in participatory networks have not emerged because of current Internet developments such as Web 2.0, but, rather, these technologies make it easier to meet an identified and long-standing role of libraries. Wikis, blogs, and recommender systems replace dial-up bulletin boards and local databases as a means to empower our communities. What's more, these technologies can bring the ideal of the participatory model to our most fundamental library systems. Libraries should adopt participatory network concepts and software not because they are new or sexy, but because they match our most fundamental mission: knowledge creation and dissemination.

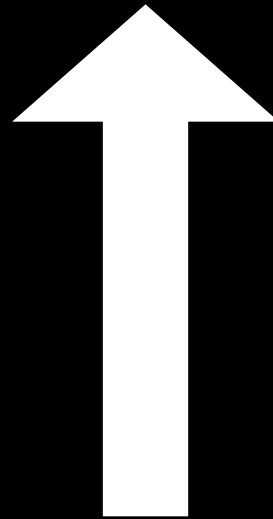
This document describes the participatory model of libraries and provides an overview of current Web 2.0 technologies and a brief discussion of how current Library 2.0 efforts point the way to an even greater change in library as a facilitator of conversations. Specific challenges and opportunities of participatory networking are reviewed. Finally, the authors recommend the creation of a shared participatory test bed for libraries. This network would not only experiment with new collaborative Web technologies, but also work with library organizations and vendors to speed innovation in traditional library systems. Finally, the network test bed would create a shared infrastructure to provide participatory technologies - such as Wikis, blogs, and RSS feeds - to libraries for inclusion in their day-to-day services.

The Goal

Knowledge is created through conversation. Libraries are in the knowledge business. Therefore, libraries are in the conversation business.

Result

Previous

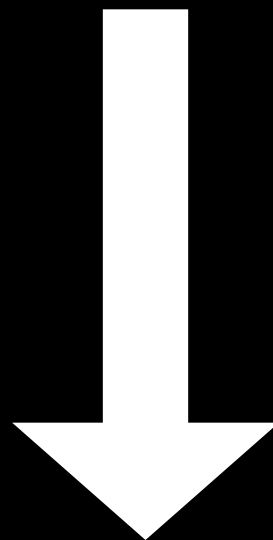


Result

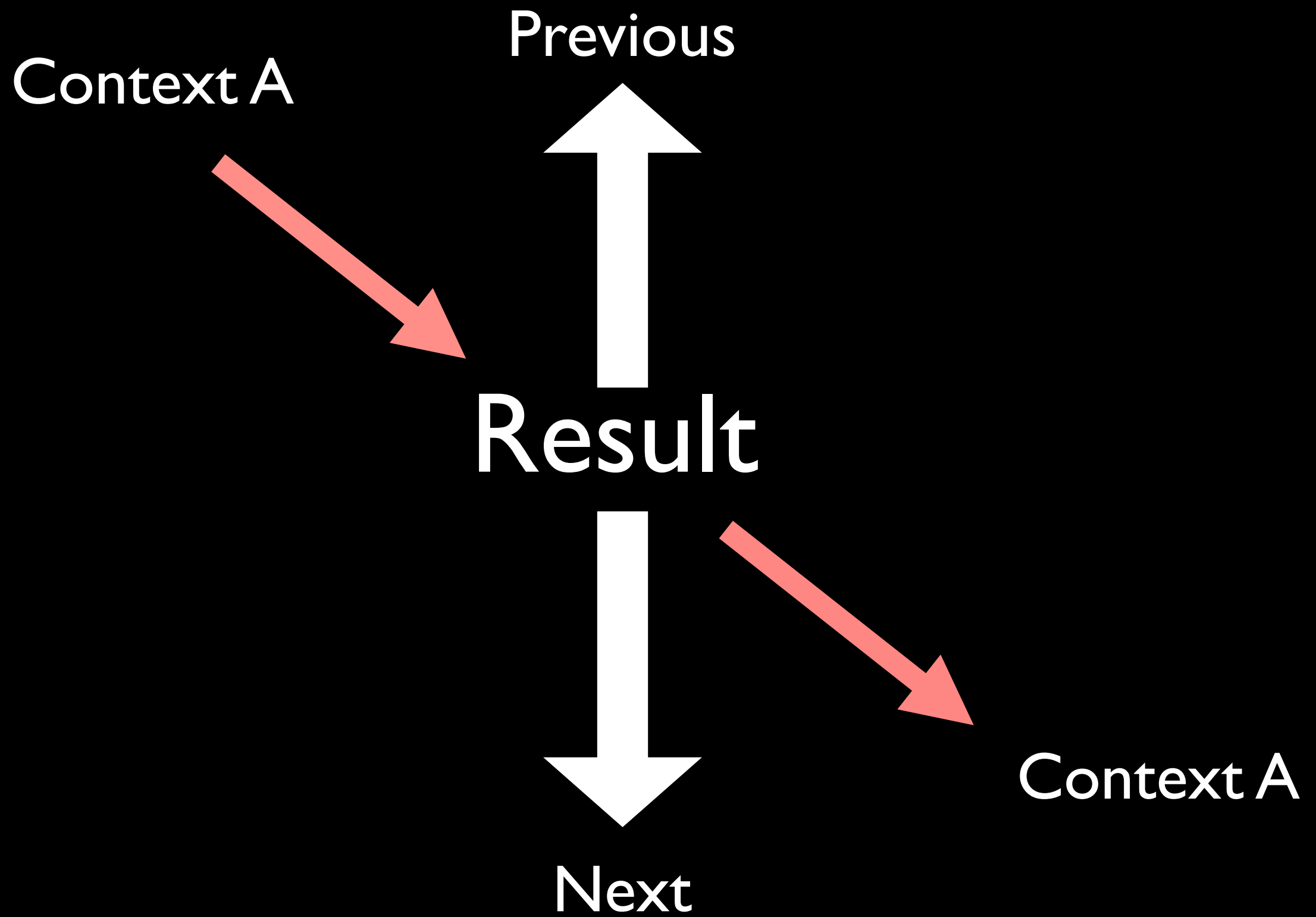
Previous



Result



Next



Context A

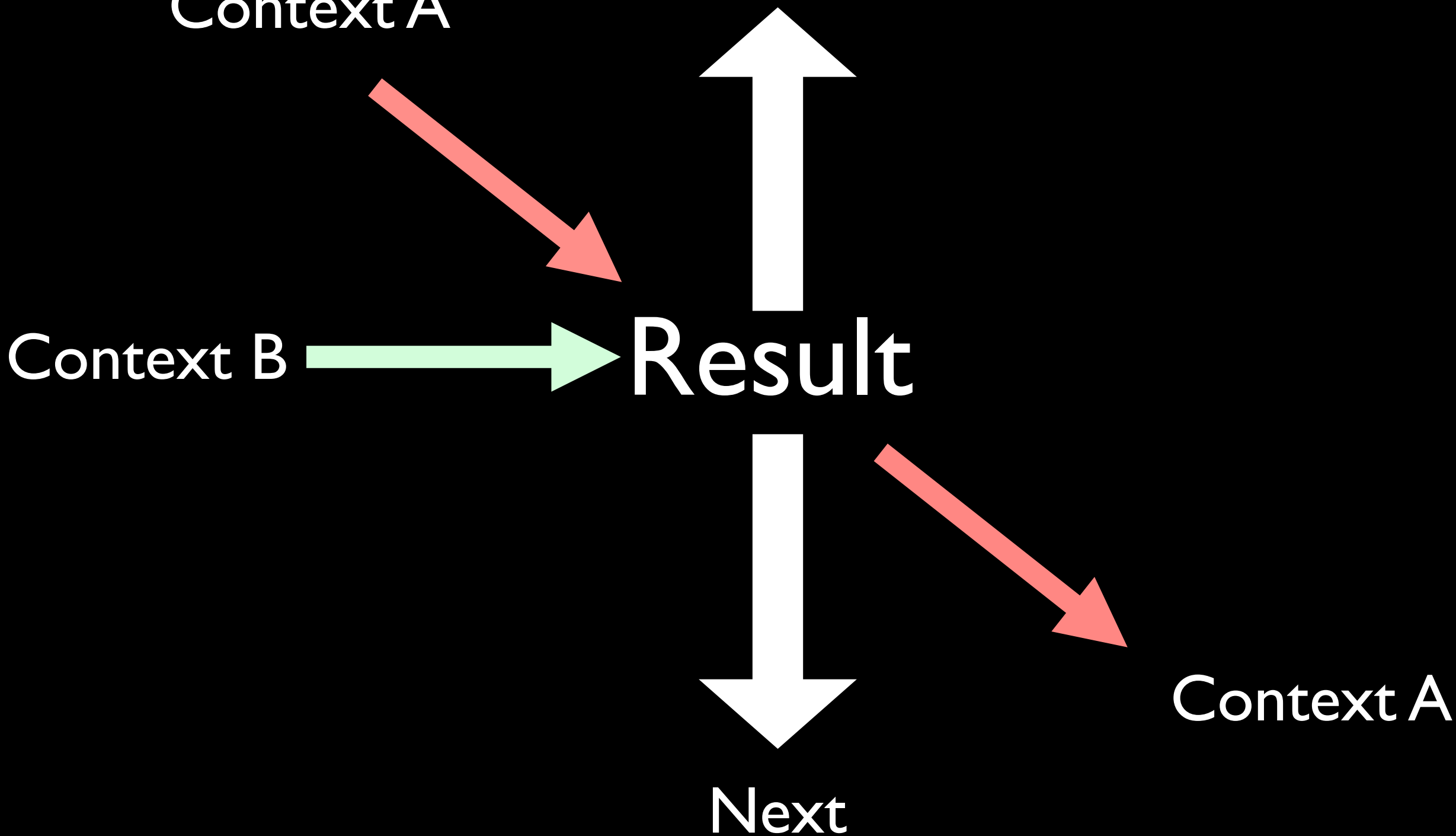
Previous

Context B

Result

Context A

Next



Context A

Previous

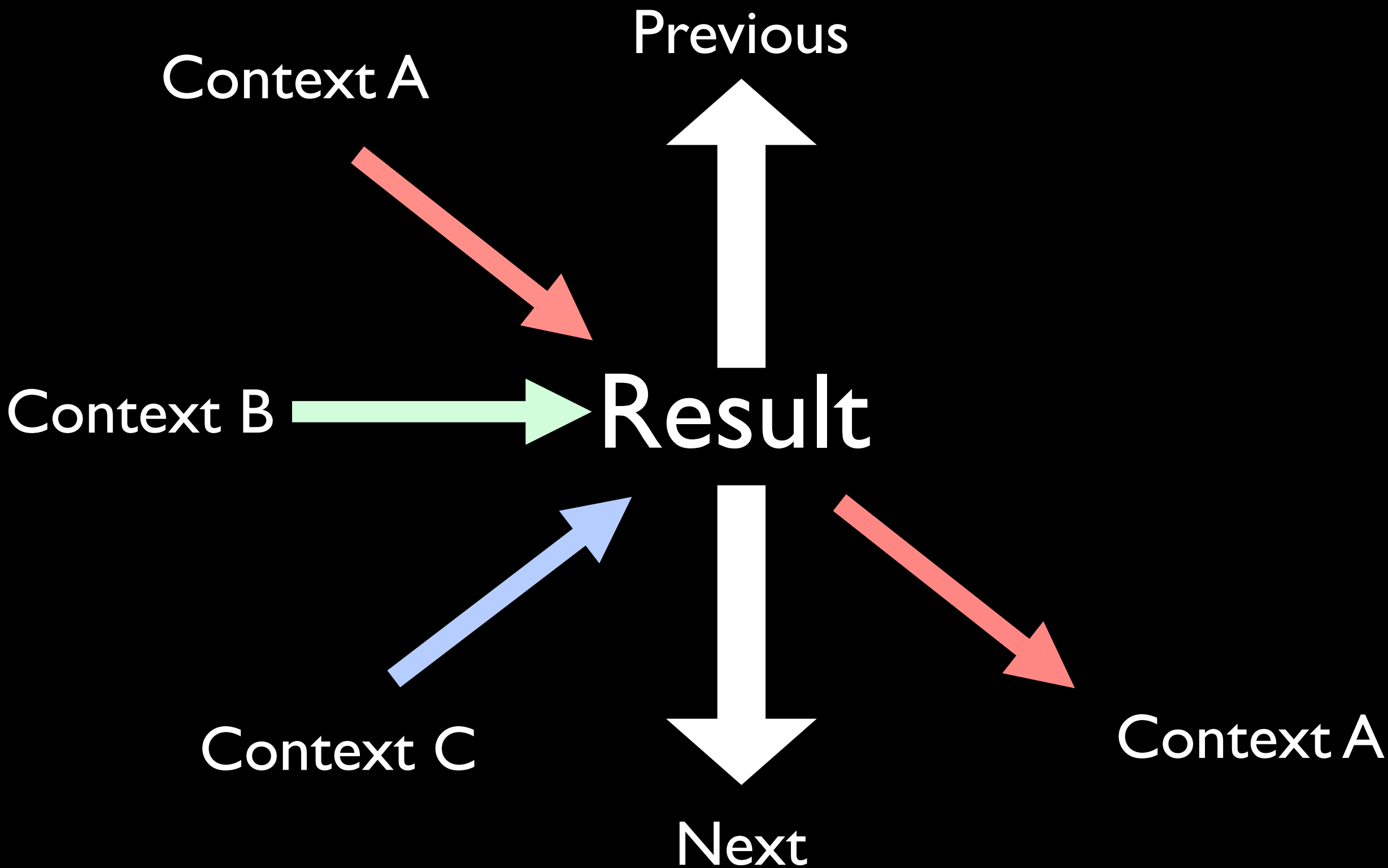
Context B

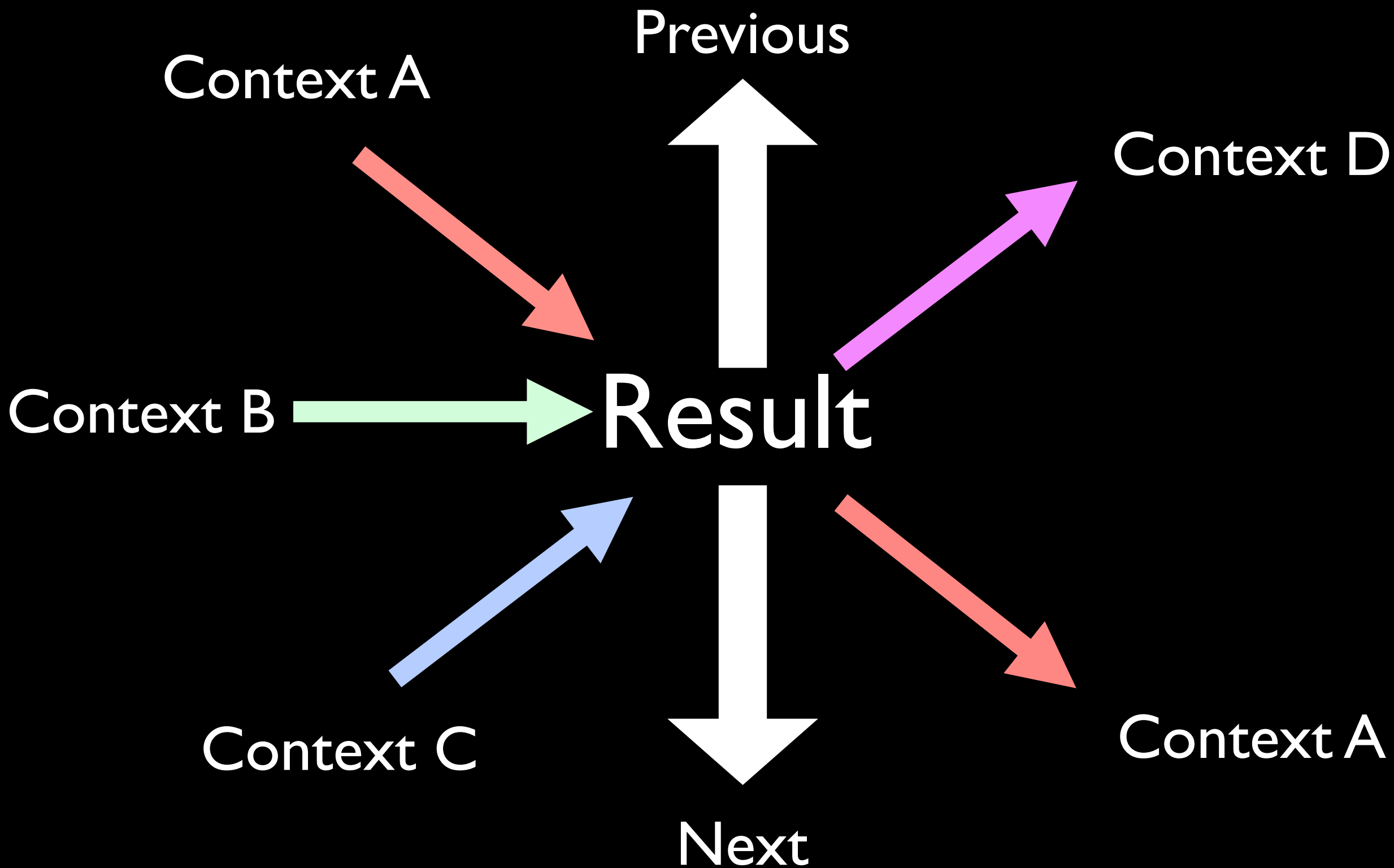
Result

Context C

Next

Context A





Existing Conversational Data

- Reference
- Participatory Systems
 - Blogs/Wiki's
 - Collaborative Bookmarks
- In-Text Citations, Annotated Bibliographies, Reading Lists, Syllabi
- Wider Document Modeling

The Future of Search?

- Is Conversations
- Is Community
- Is Context
- Libraries are Excellently Positioned