

# Project 4:

# **Search Widgets**

Jason Nguyen  
Matt Shigekawa  
Ryan Hsu

# AGENDA

- I. WORK ACCOMPLISHED TO DATE
- II. INSIGHTS / FINDINGS
- III. PROBLEMS TO BE ADDRESSED
- IV. PROBLEMS ENCOUNTERED
- V. DECISIONS
- VI. UPDATED SCHEDULE*

# *I. WORK ACCOMPLISHED TO DATE*

- Interviews
- Surveys
- Usability Tests
- Initial Analysis

# *SURVEYS*

## Format

- 2 Tasks
- 10 Questions

## Task 1 - Specific Search

- Please visit <http://www.library.uiuc.edu/> then find the following nursing book:
  - \* High-Acuity Nursing by Kathleen Dorman Wagner

Please spend no more than 5 minutes for this task.

## Task 2 - Broad Search

- Visit <http://www.library.uiuc.edu/> again then find a current nursing article that meets all of the following criteria:
  - \* Type: Journal Article
  - \* Subject: Nursing Related
  - \* Year: Published in 2008+

Please spend no more than 10 minutes for this task.

# SURVEYS

## Screenshot

UC Irvine Search Survey

2. UC Irvine Search Survey - Task 1of2

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Instructions:

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Task 1. Specific Search

Please visit <http://uci.worldcat.org/> then find the following nursing book:

\* High-Acuity Nursing by Kathleen Dorman Wagner

Please spend no more than 5 minutes for this task.

1. I could easily complete my first task.

☐ Strongly disagree

☐ Disagree

☐ Neither agree nor disagree

☐ Agree

☐ Strongly Agree

If you disagree then why?

2. I quickly completed my first task.

☐ Strongly disagree

☐ Disagree

☐ Neither agree nor disagree

☐ Agree

☐ Strongly Agree

If you disagree then why?

3. The Advanced Search Feature was useful for the first task.

☐ Strongly disagree

☐ Disagree

☐ Neither agree nor disagree

☐ Agree

☐ Strongly Agree

if you disagree then why?

Prev

Next

# Data Collection

### Informatics SpreadSheet Data

[illegible]

## *II. INSIGHTS / FINDINGS*

### Quantitative Data

- 27 UCI participants
  - 20 completed
  - 7 of 13 completed Illinois survey
  - 5 Grad students
- Frequency of Use for Library Websites
  - Avg = Once a month (Grad + UGrad)
- Advanced Search Feature
  - UCI - both tasks
  - UCSF & Illinois - not used for either tasks
- Overall Ease of Use
  - Best = UCI
  - Decent = UCSF
  - Worst = Illinois

## *II. INSIGHTS / FINDINGS*

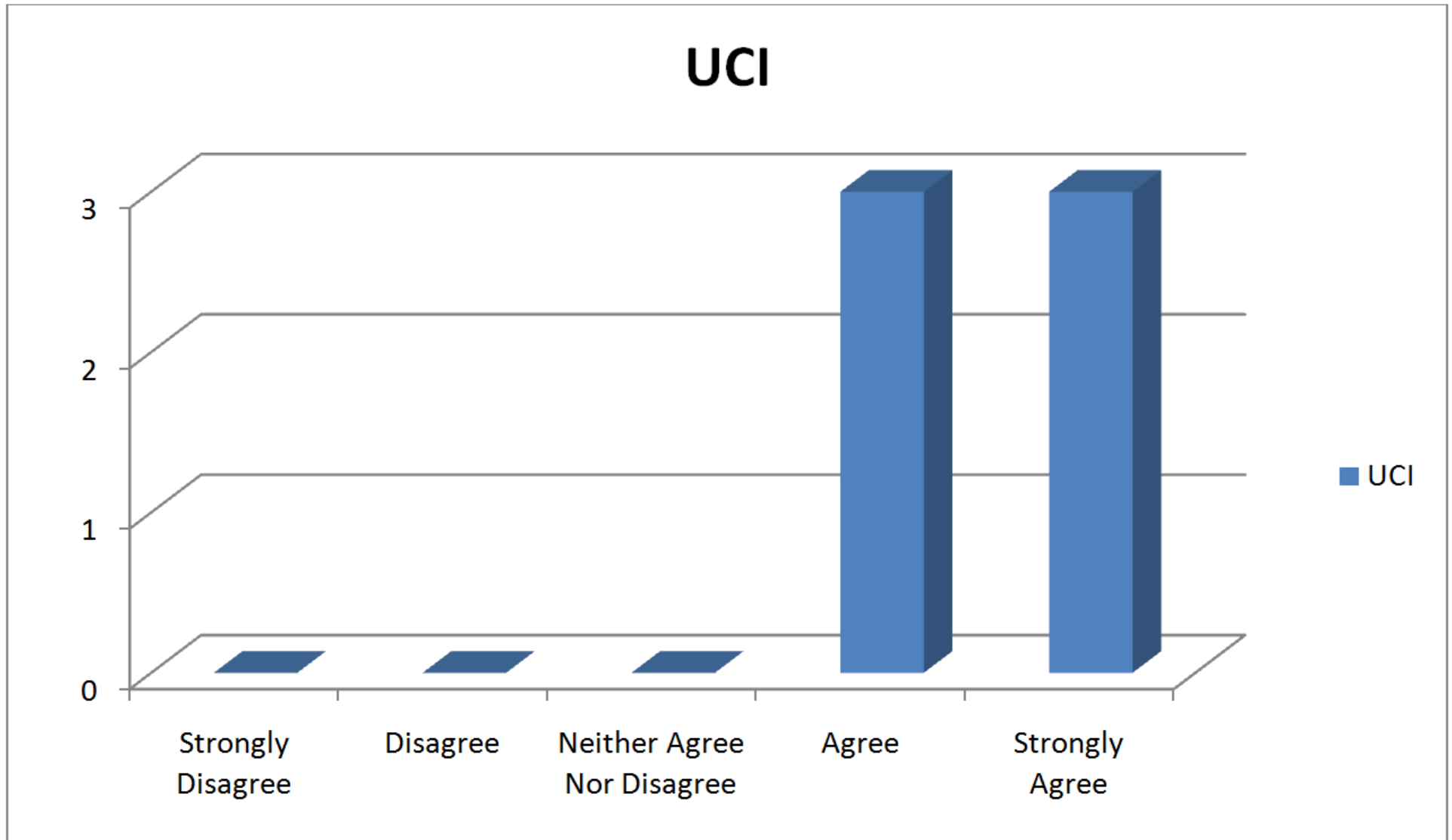
### Qualitative Data

- Results page
  - Specific VS categorized
  - Detailed VS simple
    - Less Branching
- Search page
  - Instant search preferred
  - UCI page = best
    - Filters
    - Immediate results



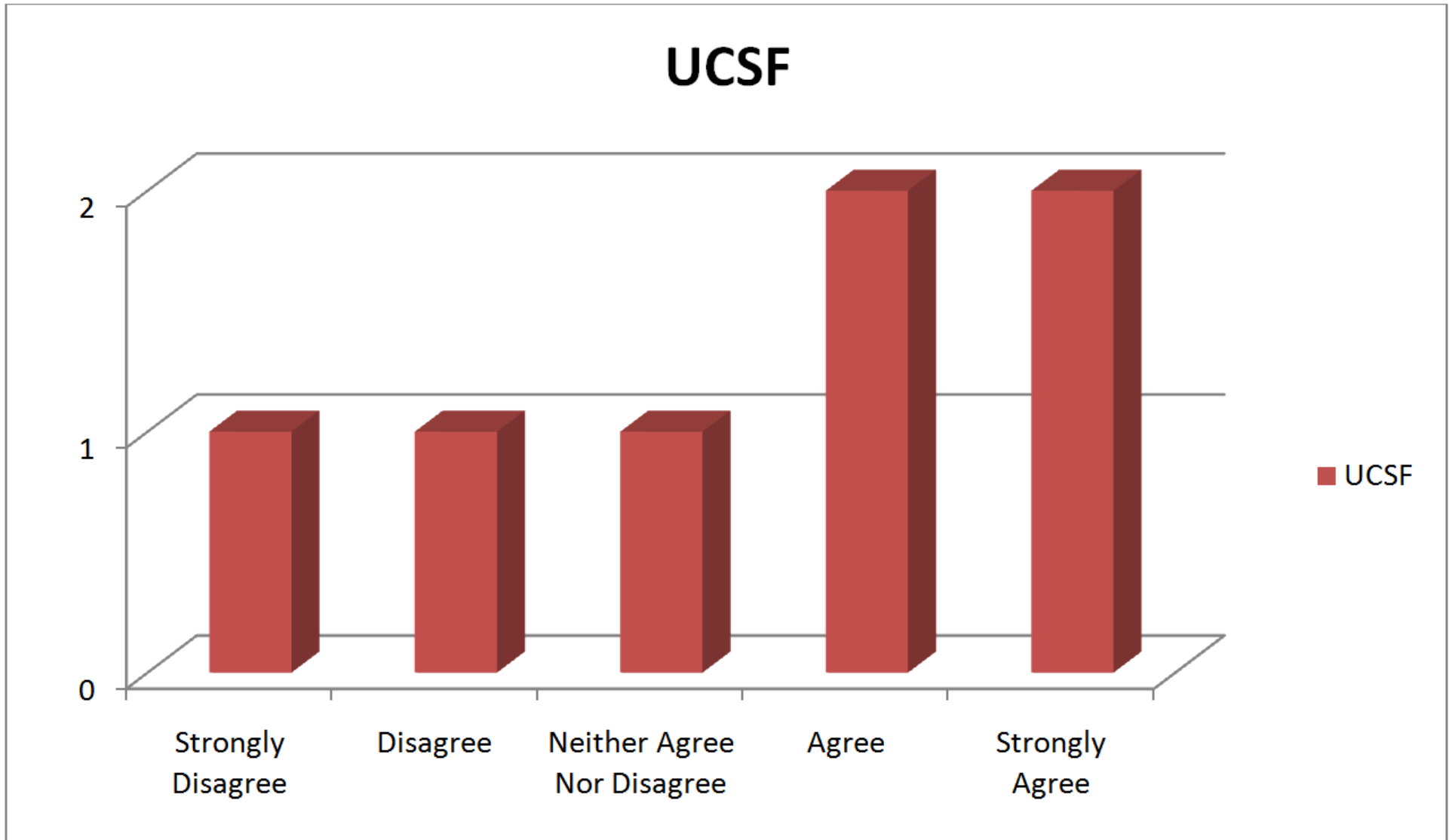
## II. INSIGHTS / FINDINGS

### UCI - Overall Ease of Use



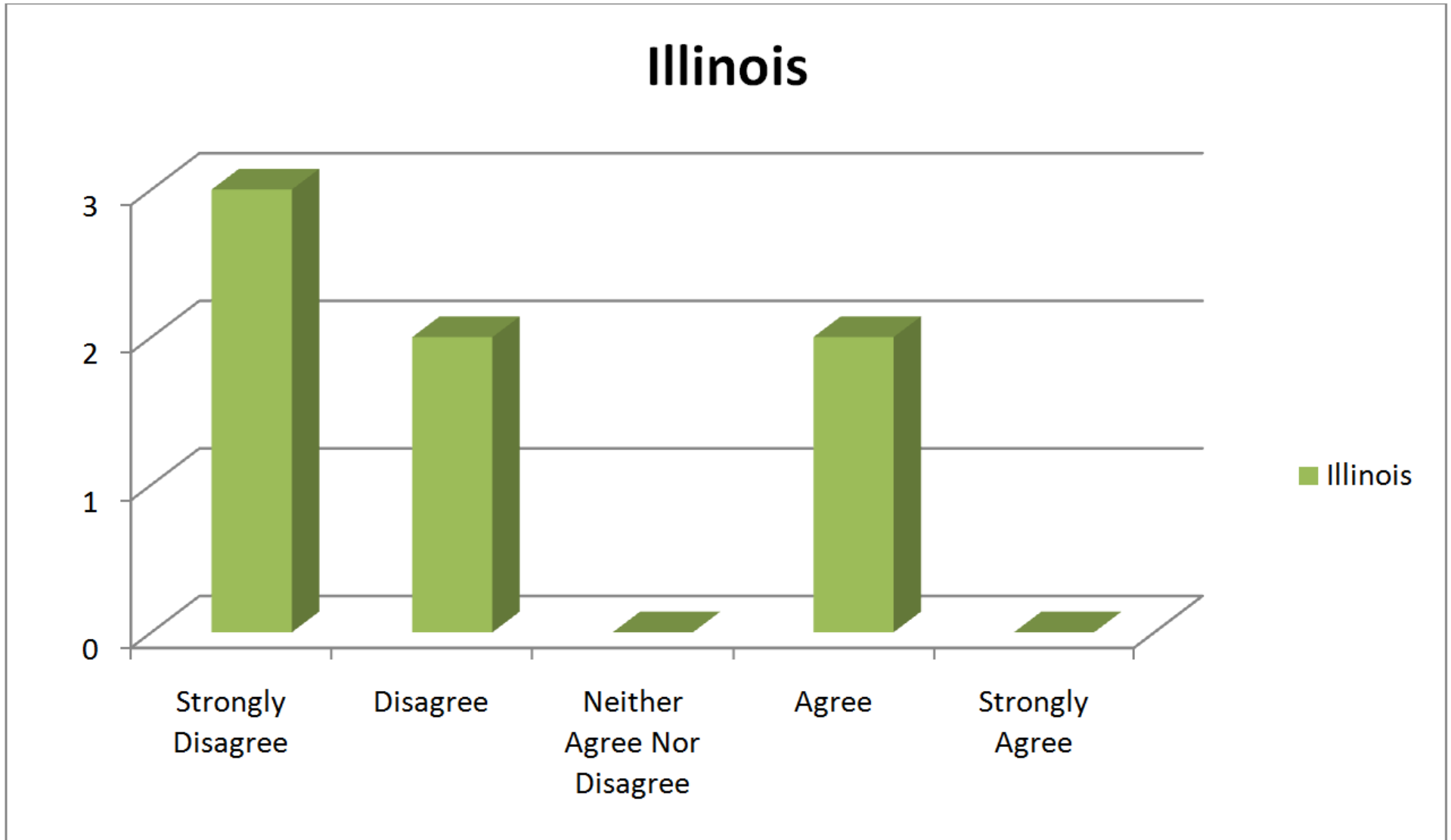
## II. INSIGHTS / FINDINGS

### UCSF - Overall Ease of Use



## II. INSIGHTS / FINDINGS

### Illinois - Overall Ease of Use



# II. INSIGHTS / FINDINGS

## UCI Search Results

Results for 'high acuity nursing' [UC Irvine Libraries] - SeaMonkey

File Edit View Go Bookmarks Tools Window Help

http://uci.worldcat.org/wcpa/search?q=high+acuity+nursing&qt=spelling\_suggestion Search

Home Bookmarks UCI WebMail UCI EEE Bach Guitar Saturn Astra - ... Network Calcul... Java Pong Game TurboTax - Sys...

Home Search UC Irvine Libraries WorldCat (Sign in)

**melvyl@UC Irvine**  
Pilot

high acuity nursing Search

You are searching Libraries Worldwide (WorldCat) Advanced Search

Search results for 'high acuity nursing' limited to Libraries Worldwide (WorldCat) Sort by: Location and Relevance Save Search

Results 1-10 of about 25 (.16 seconds) << First < Prev 1 2 3 Next >


Select All Clear All Save to: [New List] Save


**Refine Your Search**


**Author**  
Pamela Stinson Kidd (4)  
Kathleen Dorman W... (2)  
Joann Alspach (1)  
Inc Concept Media (1)  
Decoux Hampton M (1)  
[Show more ...](#)

**Format**  
Book (10)  
Article (8)  
Visual Material (4)  
• Videocassette (3)  
Internet Resource (3)  
Sound Recording (1)  
[Show more ...](#)

**Year**  
2007 (3)  
2002 (3)  
1999 (3)  
1997 (3)  
1992 (3)  
[Show more ...](#)

1.  **High-acuity nursing**  
by Kathleen Dorman Wagner; Pamela Stinson Kidd; Karen L Johnson  
Book  
Language: English  
Publisher: Upper Saddle River, N.J. : Pearson/Prentice-Hall, ©2006.  
Held by: UC Irvine Libraries  
[View all editions and formats](#)

2.  **High Acuity Nursing**  
Article  
Language: English  
Publication: JOURNAL OF EMERGENCY NURSING, 23, no. 2, (1997): 126-127  
Database: British Library Serials  
Held by: UC Irvine Libraries

3.  **AACN certification and core review for high acuity and critical care nursing**  
by JoAnn Alspach; American Association of Critical-Care Nurses.;  
Book : CD for computer : Document Computer File  
Language: English  
Publisher: St. Louis, Mo. : Elsevier Saunders, ©2008.  
Held by: UC Irvine Libraries

Done

Computer Results for 'high acuit...

Sun May 10, 12:02 PM


## *II. INSIGHTS / FINDINGS*

### UCI Search Widget Data

- 6 out of 6 people (100%) completed the survey
- Every survey had positive results, no test subject experienced difficulties
- Every Test Subject agreed or strongly agreed that the search widget was generally easy to use

# II. INSIGHTS / FINDINGS

## UCSF Search Results

**UCSF LIBRARY**  
and Center for Knowledge Management

COLLECTIONS & RESOURCES

CLASSES, CONSULTING

QUICKSEARCH   Search the Library website, list of [databases](#), [Library catalog](#)

**GALEN** UCSF DIGITAL LIBRARY >

<a href="#">Library Website</a> (29 results)	<a href="#">Databases</a> (43 results)	<a href="#">Books, Journals and More</a> (9,347 results)	<a href="#">Online Journals</a> (243 results)	<a href="#">PubMed@UCSF</a> (476,204 results)	
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### Books, Journals and More

(1-12 of 9,347 results)

1. [Community health nursing : promoting and protecting the public's health / Judith A. Allender, Cherie](#)
2. [Real stories of nursing research : the quest for Magnet recognition / edited by M. Maureen Kirkpatri](#)
3. [Essentials of nursing research : appraising evidence for nursing practice / Denise F. Polit, Cheryl](#)
4. [Evidence-based practice for nurses : appraisal and application of research / editors, Nola A. Schmid](#)
5. [Emergency nursing procedures / \[edited by\] Jean A. Proehl](#)
6. [Advanced practice nursing : essential knowledge for the profession / edited by Anne M. Barker](#)
7. [Perspectives on nursing theory / edited by Pamela G. Reed, Nelma B. Crawford Shearer](#)
8. [Teaching in nursing : a guide for faculty / by Diane M. Billings, Judith A. Halstead.](#)
9. [Professional guide to diseases](#)
10. [The future of the nursing workforce in the United States : data, trends, and implications / Peter I.](#)
11. [Cognitive and perceptual rehabilitation : optimizing function / Glen Gillen](#)
12. [Pediatric primary care / Catherine E. Burns ... \[et al.\]](#)

[More results](#)

## *II. INSIGHTS / FINDINGS*

UC San Francisco Comments:

*"There should be an advanced search for specific items"*

*"I had to scroll through the countless search results looking for one published in 2008"*

*"...it took a lot of time"*

# II. INSIGHTS / FINDINGS

## Illinois Search Results

The screenshot shows a web browser window titled "UIUC Library Search Assistant Search Results - SeaMonkey". The address bar contains the URL: `http://search.grainger.uiuc.edu/searchaid2/saresultsug.asp?spellchange=yes&tiwords=&lastname=&keyword=high%20acuity%`. The browser's menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, and Help. The bookmarks bar shows links to Home, Bookmarks, UCI WebMail, UCI EEE, Bach Guitar, Saturn Astra, Network Calcul..., Java Pong Game, and TurboTax - Sys....

The page header features the University of Illinois at Urbana-Champaign logo and navigation links: Library Gateway, Services, Get Help, and About Us. Below the header, the search results are displayed under the heading "Easy Search Results".

The search term entered is "high acuity nursing". The results are categorized as follows:

- Multi-Topic -- Journal and Magazine Articles**
  - Academic Search Premier (Ebsco): [43 ARTICLE MATCHES](#)
  - Academic Onefile (InfoTrac): [33 ARTICLE MATCHES](#)
  - Scopus: [252 ARTICLE MATCHES](#)
  - Web of Science [Social Sci, Sciences, Medicine, Humanities, Engineering]: [49 ARTICLE MATCHES](#)
- Books, Music, Documents, Media in UIUC & Illinois Libraries and Full-Text Books**
  - University of Illinois Library Catalog: **NO MATCHES ON SEARCH**
  - I-Share Library Catalog [state-wide Illinois, academic]: [9 BOOK MATCHES](#)
  - Springer E-Books: [244 CHAPTERS](#) No Title Matches
  - Google Books: [1957 BOOK MATCHES](#)
  - Amazon Books: [91 BOOK MATCHES](#)
- Web Search Engines**
  - Google: [78500 PAGE MATCHES](#)

The bottom of the browser window shows the taskbar with the date and time: Sun May 10, 12:08 PM.



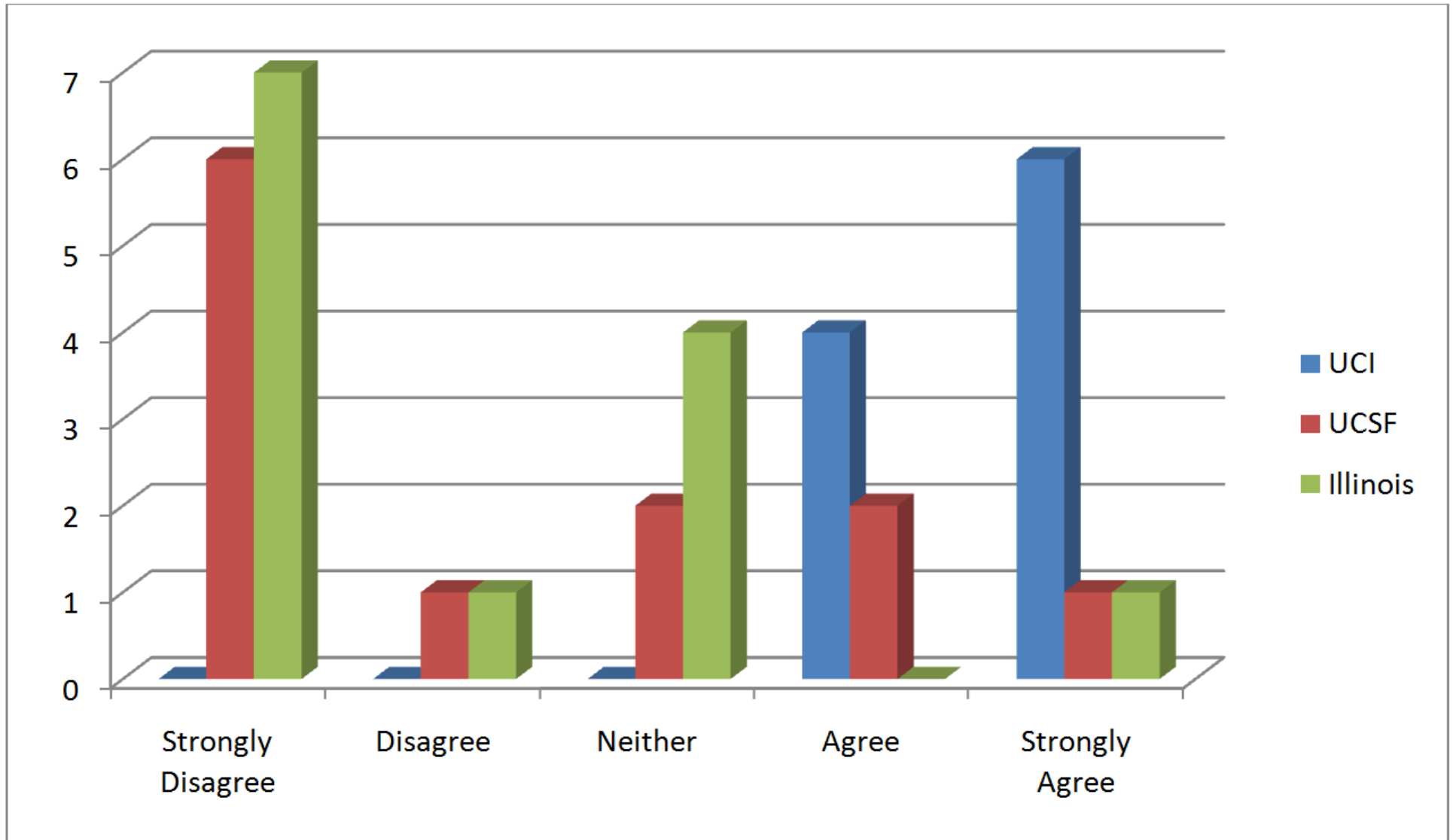
## II. INSIGHTS / FINDINGS

### Illinois User Comments

- *"I liked that I could simply type in "High-Acuity Nursing by Kathleen Dorman Wagner" into the search and get results, **but the results I got immediately weren't well organized.** I wasn't sure if the book I was looking for was not found at Uofl libraries because it wasn't there or because I had typed things in wrong. So I tried a few other searches like searched just for title or just for the author until I looked at what was found at other schools. **A results page with information on the specific books/articles found would be more useful than what was shown"***
- *"I don't have a login so I don't know whether I found the book or not because I only see the number of matches and not the actual results. **Google and Google Scholar found the book (of course)"***
- *"It took me 5 minutes. That kind of search I would **expect in google to take me 20-30 seconds"***
- *Didn't know there was an **advanced search feature***
- *I was frustrated to not be able to see results that were being returned from the different databases and was **very overwhelmed** by the number of hits I received from some of the databases. I was actually more inclined to look at databases with less results, because **>100,000 just felt overwhelming** to deal with.*
- *This search page has **way too many things going on** and the **results are confusing***

## II. INSIGHTS / FINDINGS

### Advanced Search Usage



# *III. AREAS TO BE ADDRESSED*

## Problems

- HCI qualities of UCI Search widget
- Good HCI qualities of UCSF and Illinois
- Good HCI qualities UCI Advanced Search
- Benefits of detailed search results

## Methods

- Usability Testing
- Additional interviews
- Design Prototype
- Re-Evaluation of Prototype

# *IV. PROBLEMS ENCOUNTERED*

- Surveys
  - Low Grad student participations
  - Illinois survey
    - Licensing issues (for some sources)
    - Incomplete Surveys

# *V. DECISIONS*

- Low Grad Student Participation
  - Greater participation for:
    - Usability Testing
    - Additional Interviews
    - Re-Evaluation Phase
- Illinois Survey
  - Licensing Issue
    - Not to influence the user about the search widget
  - Incomplete Survey Issues
    - Decided to incorporate these into our results

# VI. UPDATED SCHEDULE

## GANTT Chart

### Team 4 - Search Widgets

