Truing the Wheel

Designing a refined taxonomy for virtual reference services in academic libraries





Paul V. Galvin Library Illinois Institute of Technology

John Dorr Head of Reference Services dorr@iit.edu

Jannelle Ruswick
Reference Librarian for Psychology and the
Social Sciences
ruswick@iit.edu





Galvin's Virtual Reference

Consists of Email, online form submitted via email, and Instant Messaging (IM).





Galvin's IM

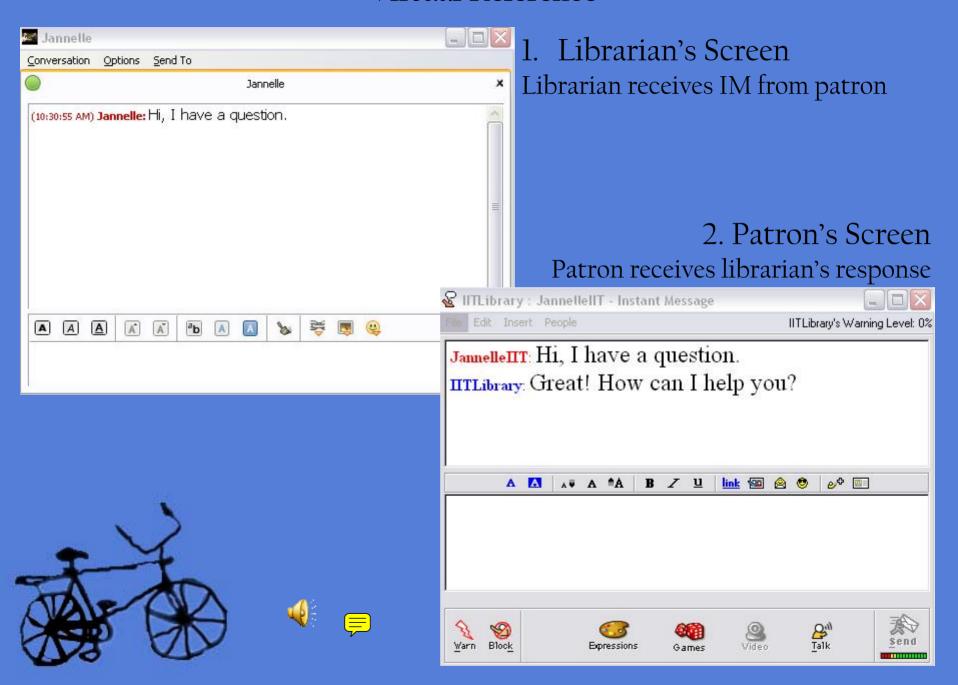
Instant Messaging conducted two ways:

- GAIM (now known as <u>Pidgin</u>)- an IM Client aggregator, with screen names for Google Talk, AIM, Yahoo! and MSN
- <u>Meebo</u> a widget placed directly on the Ask A Librarian site that does not require the user to have an IM account





Virtual Reference



Troubles with Taxonomies







Hypothesis:

Traditional taxonomies for defining reference questions are ill-suited for Virtual Reference.

Over the past 15 years, reference services have changed. Let's take a look at traditional reference question taxonomies in light of the new virtual services.





Traditional Taxonomies

William Katz's question categorization:

- 1. Ready Reference Who is the Mayor of Detroit?
- 2. Specific Search Do you have a copy of *Gravity's Rainbow?*
- 3. Extended Research In-depth research assistance on a topic.







Traditional Taxonomies

JoAnn Sears expanded Katz's taxonomy to include:

- 4. Library Policy How many books can I check out?
- 5. Directional Where are the restrooms?



Galvin's Taxonomy

Major Categories:

- 1. <u>Searching</u> using catalog, internet, or database to find materials
- 2. <u>Instructing</u> instructing how to do any library-related task
- 3. Routing providing directions to physical locations
- 4. Escorting walking with patron to physical location
- 5. <u>Fetching</u> retrieving item for patron
- 6. <u>Troubleshooting</u> repairing technical glitches or hardware issues
- 7. Maintaining refilling office supplies, general cleaning
- 8. <u>Granting</u> providing keys to the GIS lab, checking out special materials
- 9. <u>Disseminating</u> giving information about various library policies, hours





Galvin's Taxonomy

Galvin uses a custom-designed Microsoft Access database, called RefStats that expands on the traditional taxonomy.

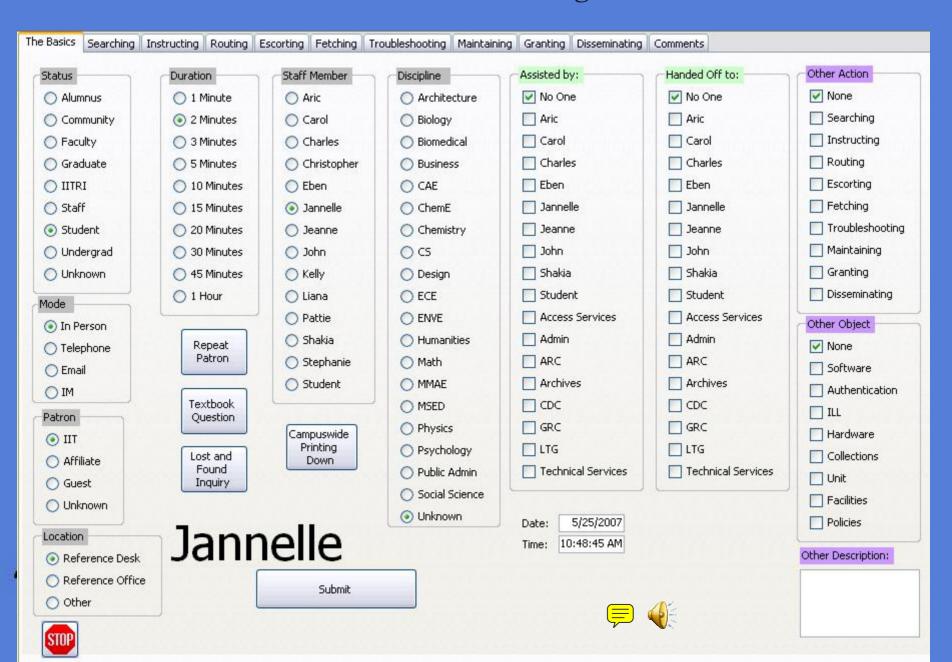
- •Accounts for the uncertainty in patron's request or question
- •Details what services are provided in each transaction
- Contains 9 broad categories with sub-categories in each







RefStats Front Page



Method







Method

Setting

- Added new virtual reference services
 - Rolled out IM reference
 - •Added new email address reference@iit.edu
- •Revamped <u>Ask a Librarian</u> page
- Publicized IM reference







Method

Process

- Study period was set as February 1-March 31,
 2007
- Chat transcripts and emails automatically saved
- After the study period:
 - •Read and classified all emails and chat transcriptions
 - Pulled RefStats data for February and March





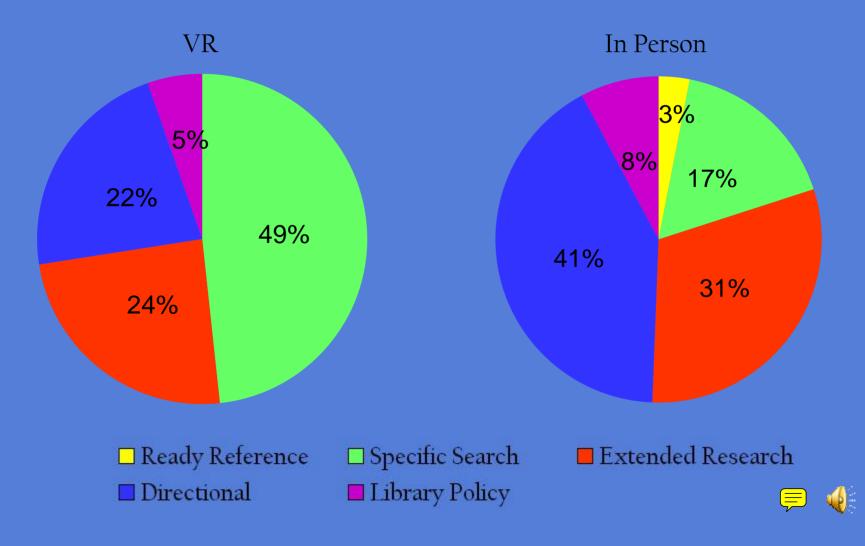




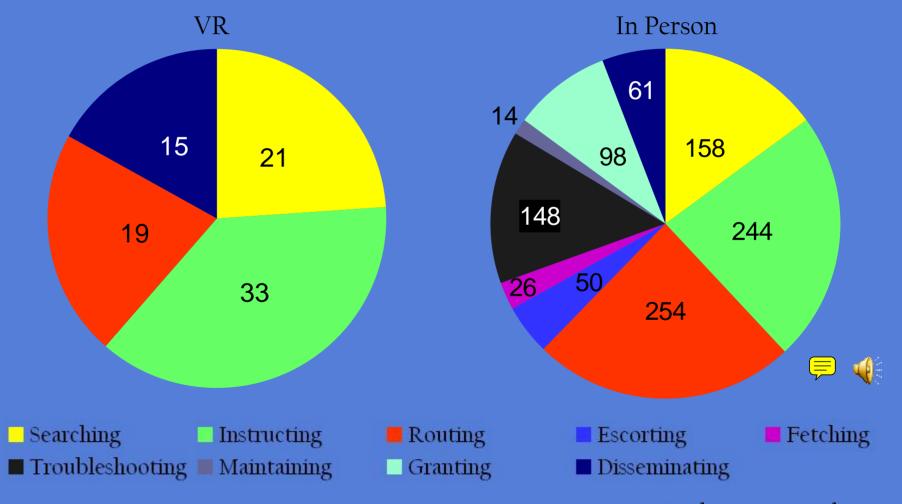




Traditional - Katz & Sears

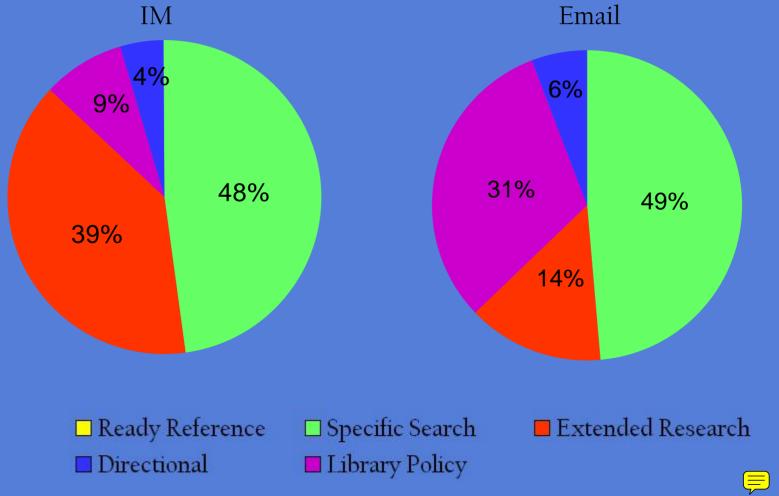


Galvin



*Values are actual counts

Traditional - Katz & Sears





Traditional taxonomies are designed for direct contact with a patron. The use of virtual reference and electronic resources create a need for categorizing ancillary transactions.

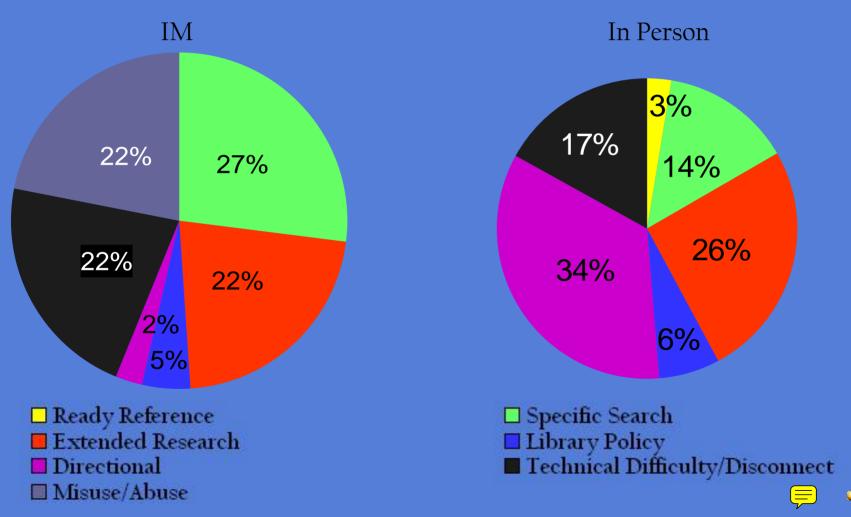
- Technical difficulties
- Misuse or abuse
- Assistance with advanced electronic resources



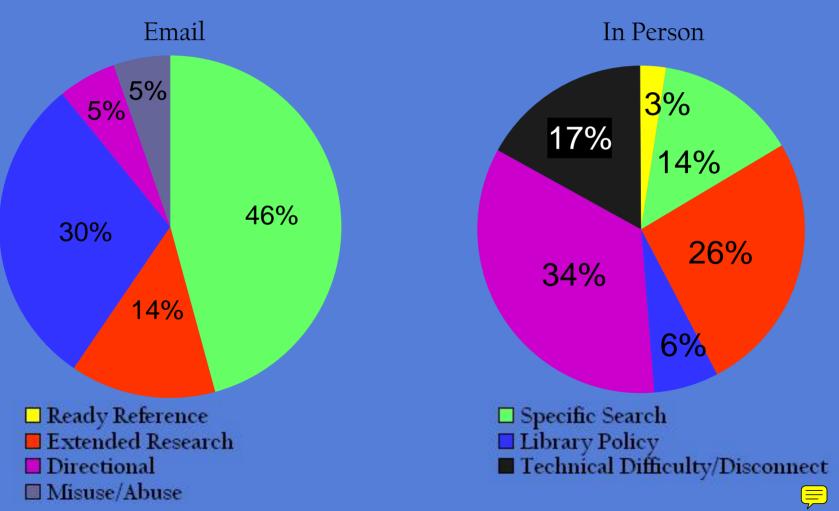




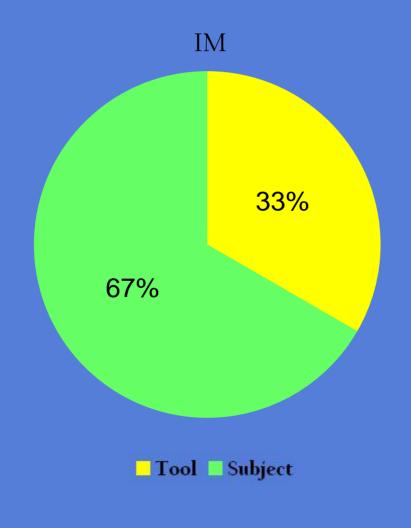
Updated Taxonomy



Updated Taxonomy



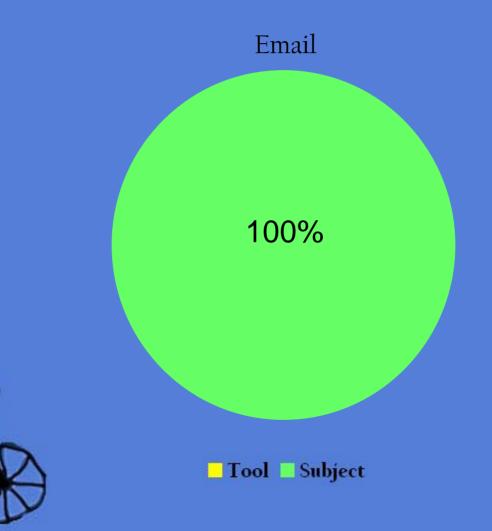
Extended Reference







Extended Reference





Notable Figures

- 87% of IM questions are specific search or extended research in the traditional taxonomy
 - •49% with our new categories
 - New categories had lesser impact on Email questions
- 78% of extended research questions in virtual reference are subject-based



 31% of Email questions are library policy compared to 9% in IM





Discussion

Aspects of the study that worked well

- Automatic logging of transcripts simple and effective
- •Established in person statistical tracker made comparing data easy







Discussion

What we would do differently next time

- •Extend study period to include different times in the semester
- Conduct study on an established IM reference service











- Technical difficulties are a factor in IM reference, and change the distribution of transaction types greatly when accounted for in the traditional taxonomy
- The impersonal nature of virtual communication leads to more misuse of reference services



• We see a higher proportion of research questions using virtual reference than in person





- Traditional taxonomy could split extended reference category between extended reference in a tool and in a subject
- New taxonomies must account for technical problems in virtual reference, as they take up a large amount of time
- •Ready reference category is obsolete in virtual reference





Suggested New Taxonomy for Virtual Reference

- Specific Search Search for a specific title
- Extended Research on a tool In-depth assistance in the use of a research tool
- Extended Research on a subject In-depth assistance on a subject
- Technical Difficulty disconnects, returned e-mails
- Misuse non-IIT related questions, abusive language,
 spam



- Library Policy
- Directional





What to do with all this information?

- Create circulation desk email assistance
- Evaluate peak usage times and adjust librarians' schedules accordingly
- Train staff based on the types of question most received







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