

UNDERGRADUATE RESEARCH & UC LIBRARIES

Pam Bach & Sarah Stafford

Shareposium

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RESEARCH: 3 WORDS

Library Instruction Sessions

English Composition 1001

10 Classes

200+ First Year Students

Pam Bach

RESEARCH: 3 WORDS

- ① lots of reading
- ② writing a paper
- ③ Multiple steps

Amper/ans

RESEARCH: 3 WORDS

- Heavy Sobs
- Stress
- Procrastination

RESEARCH: 3 WORDS

Informative

Statistics

Experiment

RESEARCH: 3 WORDS

- difficult to find many sources
- I don't like annotated bibliographies
- long paper

RESEARCH: 3 WORDS

Research

1. Internet
2. Books
3. NOT Wikipedia

Maddy

RESEARCH: 3 WORDS

Sourcing

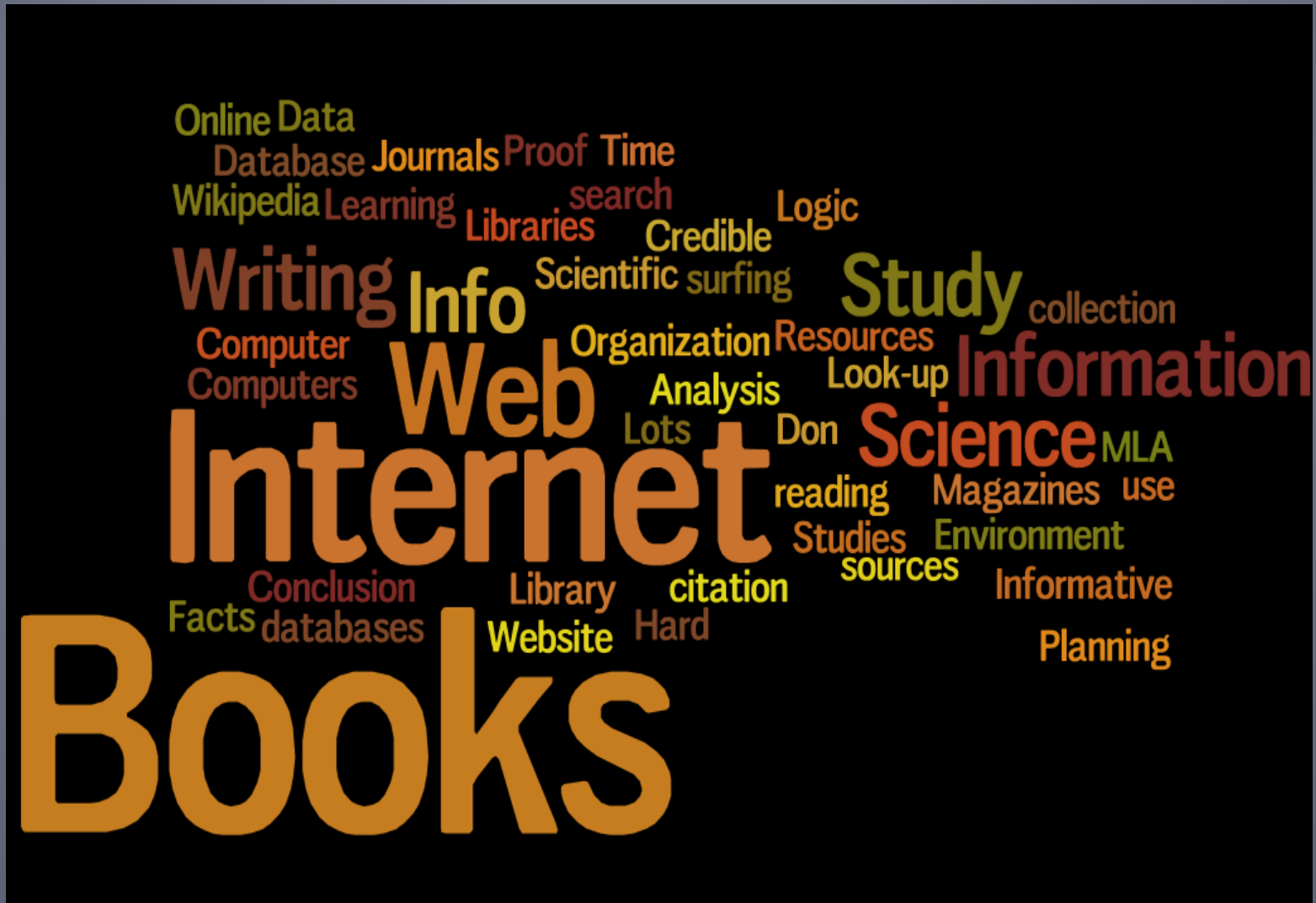
Exploration

Enlightenment

RESEARCH: 3 WORDS

Tedious, boring, but important

RESEARCH: 3 WORDS



RESEARCH: 3 WORDS



NEEDED: A NEW KIND OF
LIBRARY FOR A NEW KIND
OF RESEARCHER

Introduction

- Statement of the Problem
 - ▣ What do students need from the UC Libraries?
 - **Unknown**
 - Needs may include:
 - Resources
 - Collections
 - Facilities
 - Technology
 - Citing tools
 - Publication outlets
- Objective
 - ▣ Identify the library needs of UC undergraduate students involved in independent research projects

Background

- National emphasis on undergraduate research
- Council on Undergraduate Research (CUR)
 - “Undergraduate research is a comprehensive curricular innovation and major reform in contemporary American undergraduate education and scholarship” (CUR, 2005)
 - CUR outlines undergraduate research as:
 - An inquiry or investigation conducted by an undergraduate student that makes an original, intellectual, or creative contribution to the discipline (2011)
 - Its central premise of undergraduate research is the formation of a collaborative enterprise between student and faculty member (2005)

Background

- University of Cincinnati's *2019 Academic Master Plan*
 - Action Steps
 - Enhancing opportunities for all students to participate in undergraduate research
 - Creating research-mentoring opportunities
 - Supporting sustainable undergraduate research publishing outlets
 - Office of Undergraduate Research, Scholarly Endeavors and Creative Practice
 - Undergraduate Research Conference

Background

- Stamatoplos (2009)
 - “There is little evidence that LIS authors are cognizant of independent undergraduate research.”
 - “LIS literature effectively reduces the research of undergraduate students to processes of finding information and using information sources.”
- Prescott and Veldof (2010)
 - “The behaviors and needs of current undergraduates necessitate an effort to revamp traditional approaches and develop new library services that meet the students where they are, especially outside of the library walls.”

Specific Aims

1. At what stages in students' independent research projects do they need assistance from Libraries?
2. What kind of discipline-specific resources do students need when engaged in independent research?
3. What role should UC Libraries play in the undergraduate mentored projects?
4. How might UC Libraries be integrated into this process?

Research Strategy

- A questionnaire was developed to investigate the specific aims
- The questionnaire focuses on the following 4 variables:
 1. 4 stages of involvement with project (CUR, 2005):
 - ▣ The identification of and acquisition of a disciplinary or interdisciplinary methodology
 - ▣ The setting out of a concrete investigative problem
 - ▣ The carrying out of the actual project
 - ▣ The dispersing/sharing a new scholar's discoveries with his or her peers
 2. Discipline-specific needs and resources: broken down by College and then by broad disciplines
 3. Library needs: information resources (e.g. books, articles, statistics), research assistance, facilities (e.g. quiet study areas, smart boards), technology (e.g. computers, laptops, software, multi-media equipment), citing tools, and publication outlets
 4. Integration with UC Libraries: mentoring from librarian, one on one personal assistance on an as needed basis, online chat/IM assistance, online tutorials

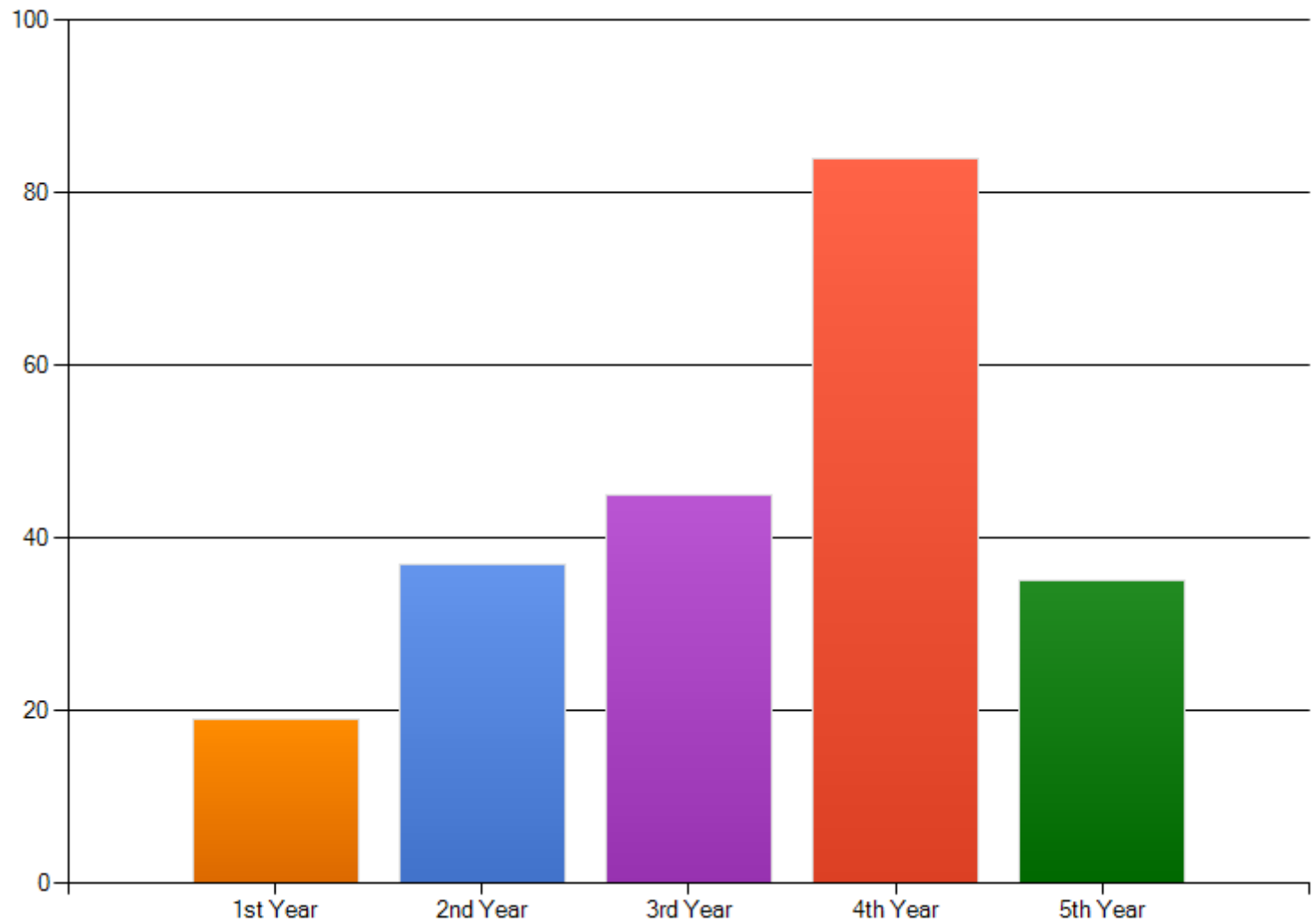
References

- Council on Undergraduate Research. (2005). Joint statement of principles in support of undergraduate research, scholarship, and creative activities. Retrieved February 15, 2013 from http://www.cur.org/about_cur/history/joint_statement_of_cur_and_ncur/
- Council on Undergraduate Research. (2011). About CUR. Retrieved February 15, 2013 from http://www.cur.org/about_cur
- Prescott, M. K., & Veldor, J. R. (2010). A process approach to defining services for undergraduates. *Libraries and the Academy, 10*(1), 29-56.
- Stamatoplos, A. (2009). The role of academic libraries in mentored undergraduate research: A model of engagement in the academic community. *College & Research Libraries, 70*(3), 235-249.

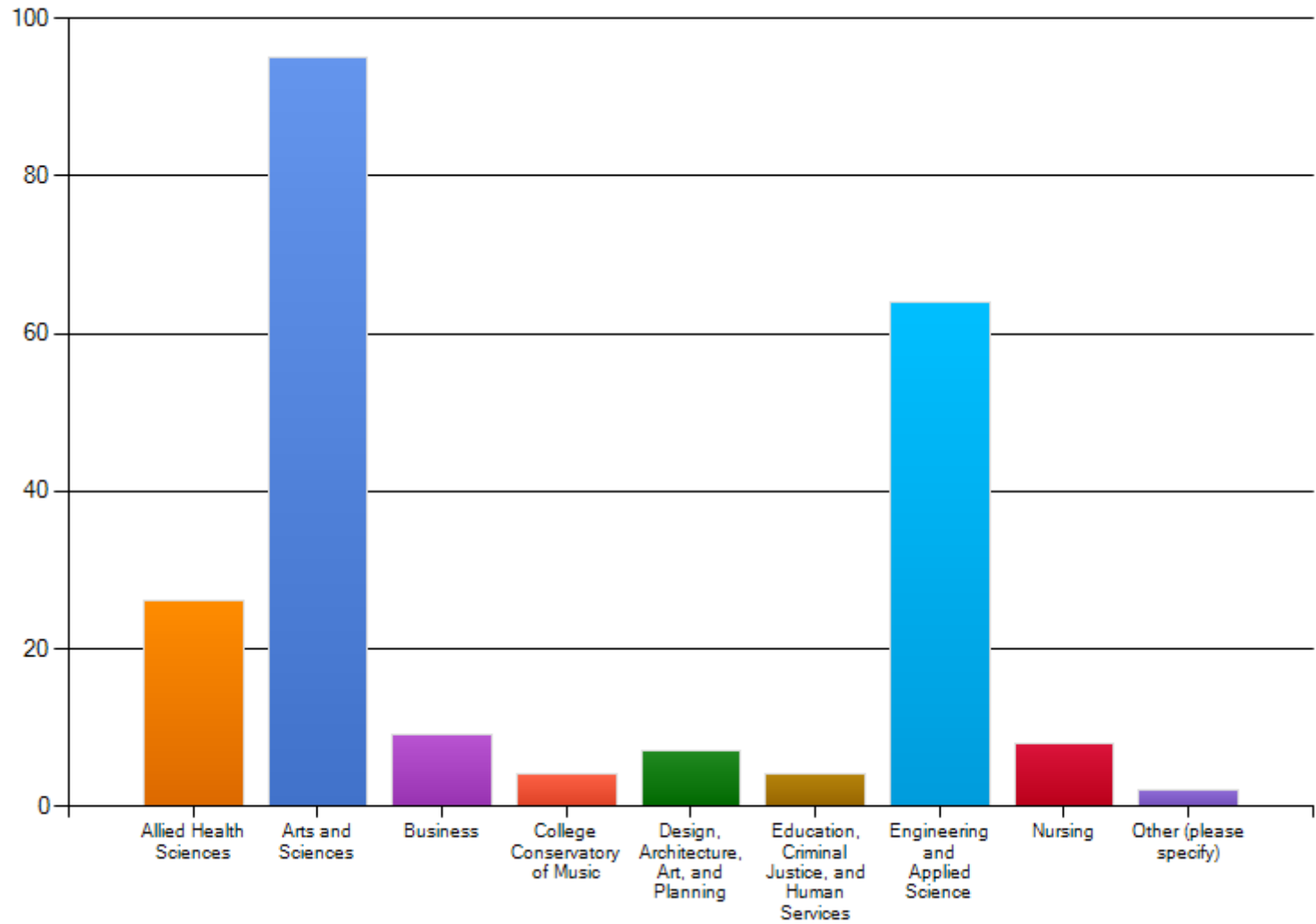
Survey Results

- 220 Students: Undergraduate Research Conference
 - 147 in 2013, July to September
 - 73 in 2014, April

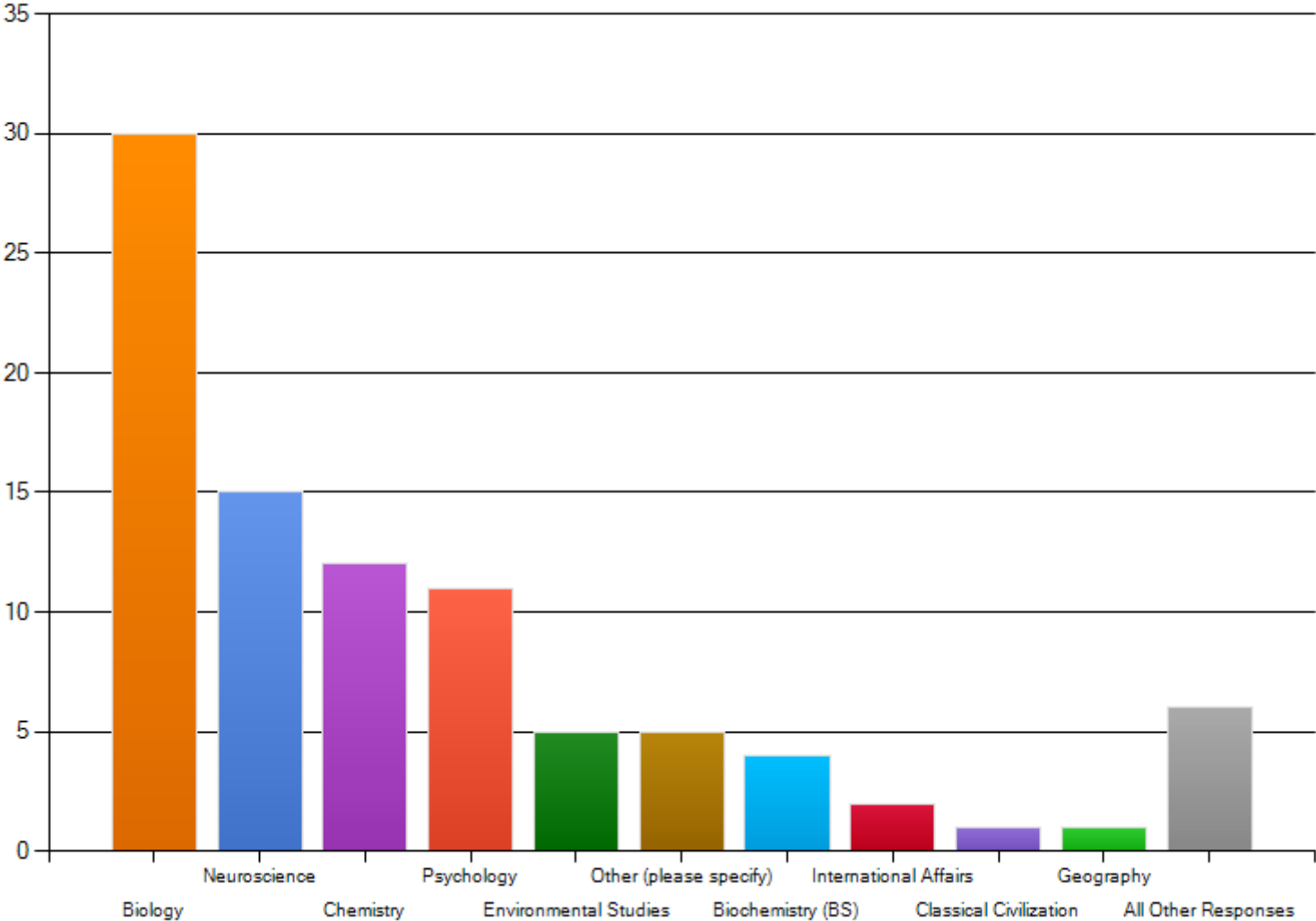
What is your class level?



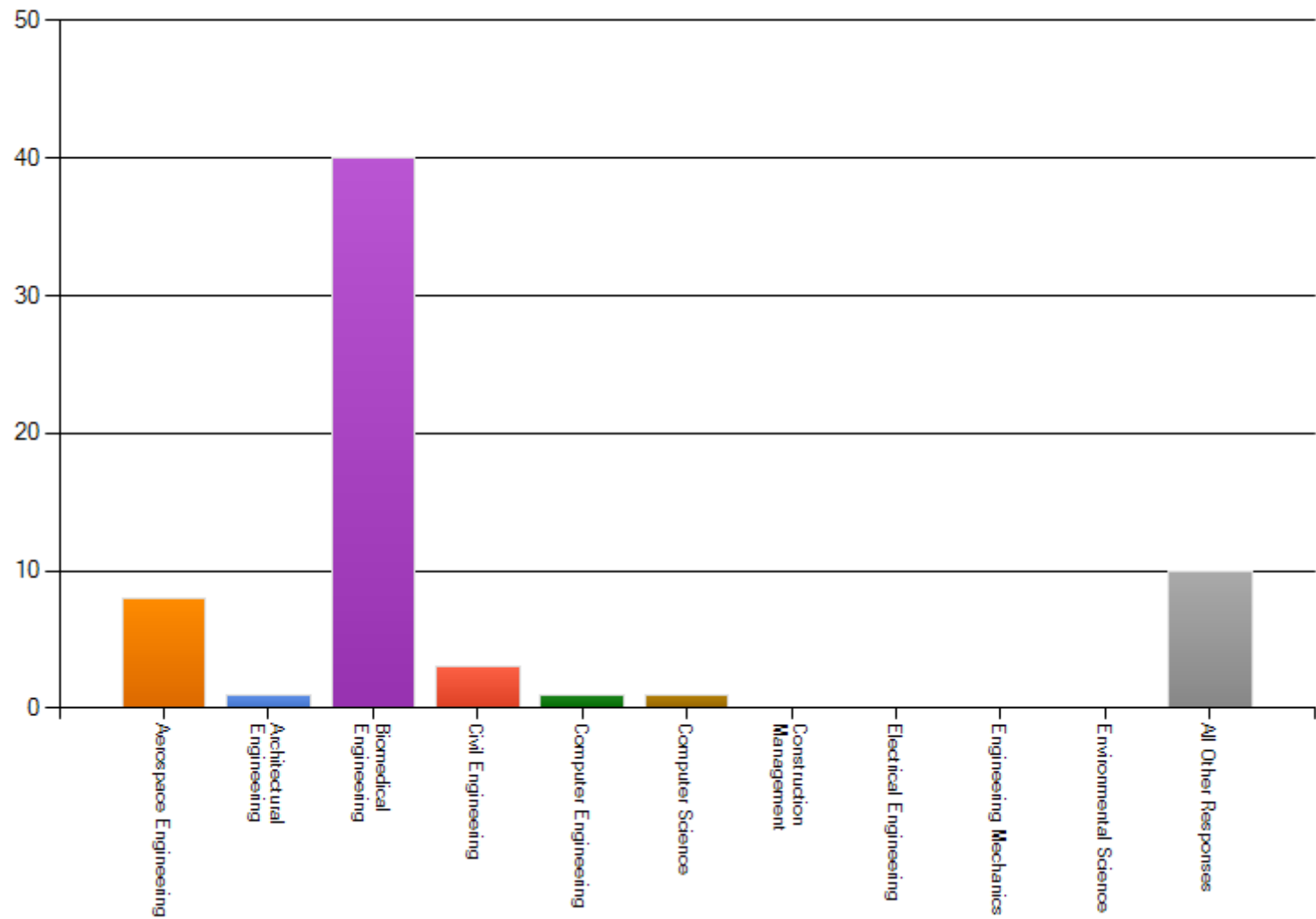
What is your college?



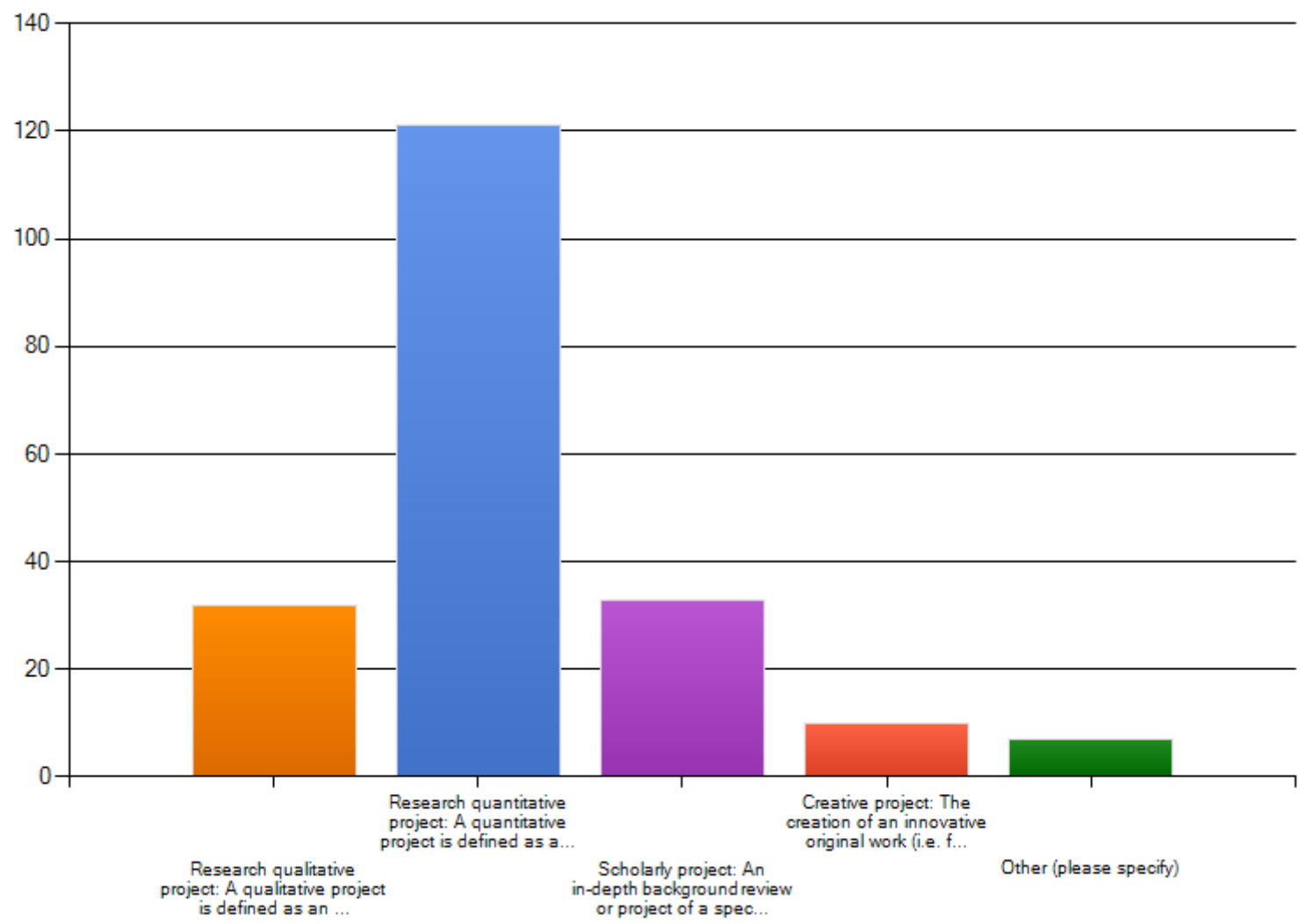
What is your primary major in the College of Arts and Sciences?



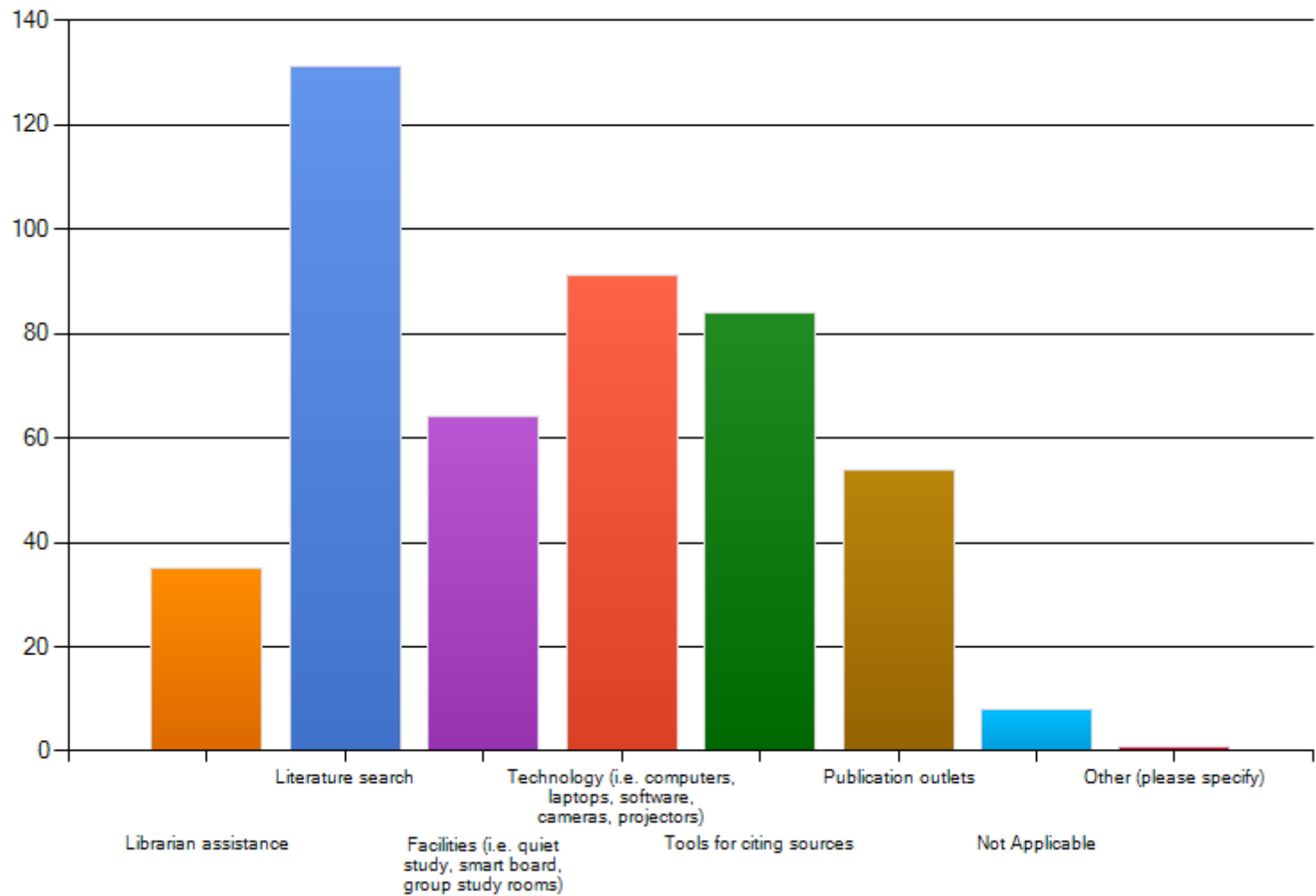
What is your primary major in the College of Engineering and Applied Science?



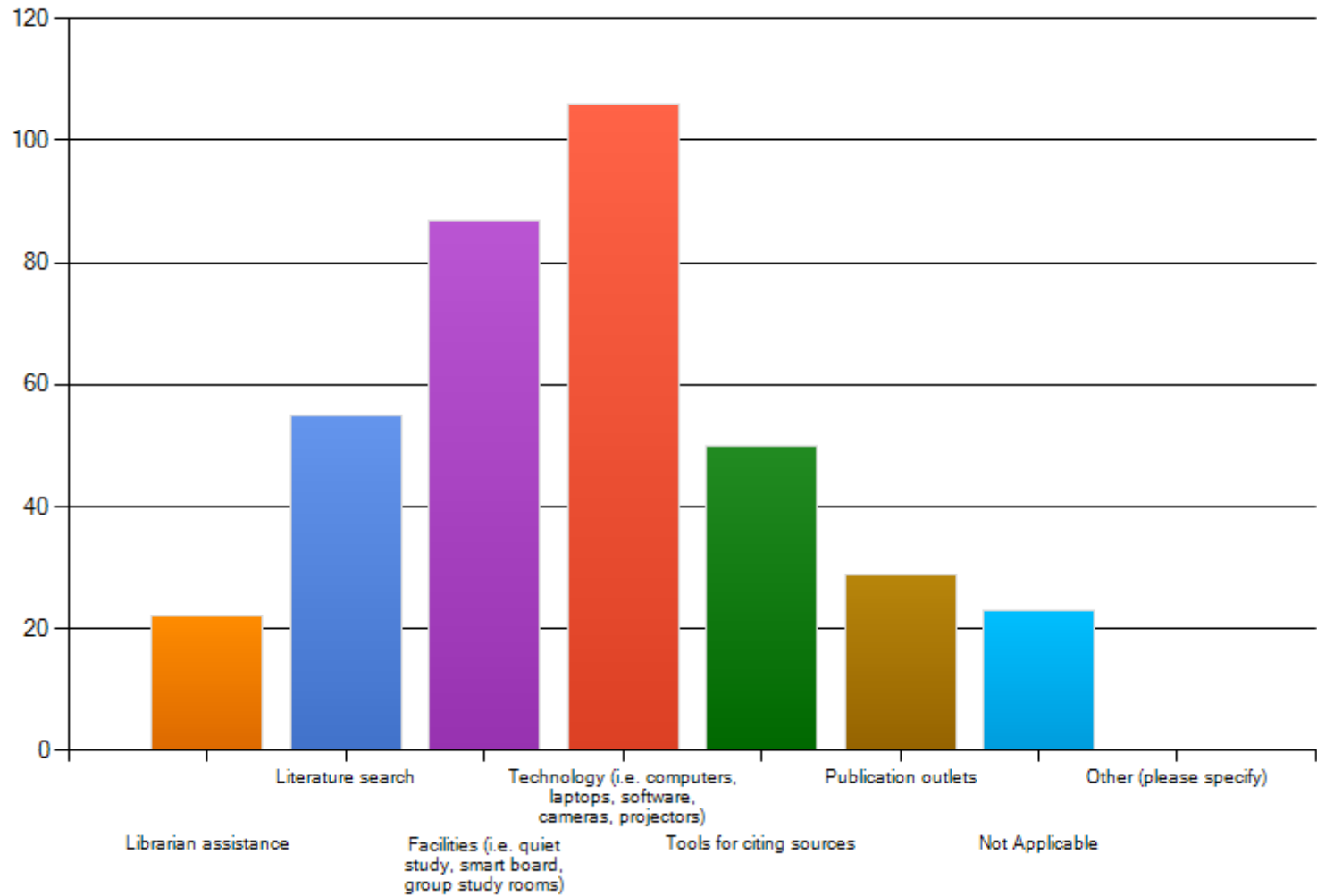
Which description best describes your project?



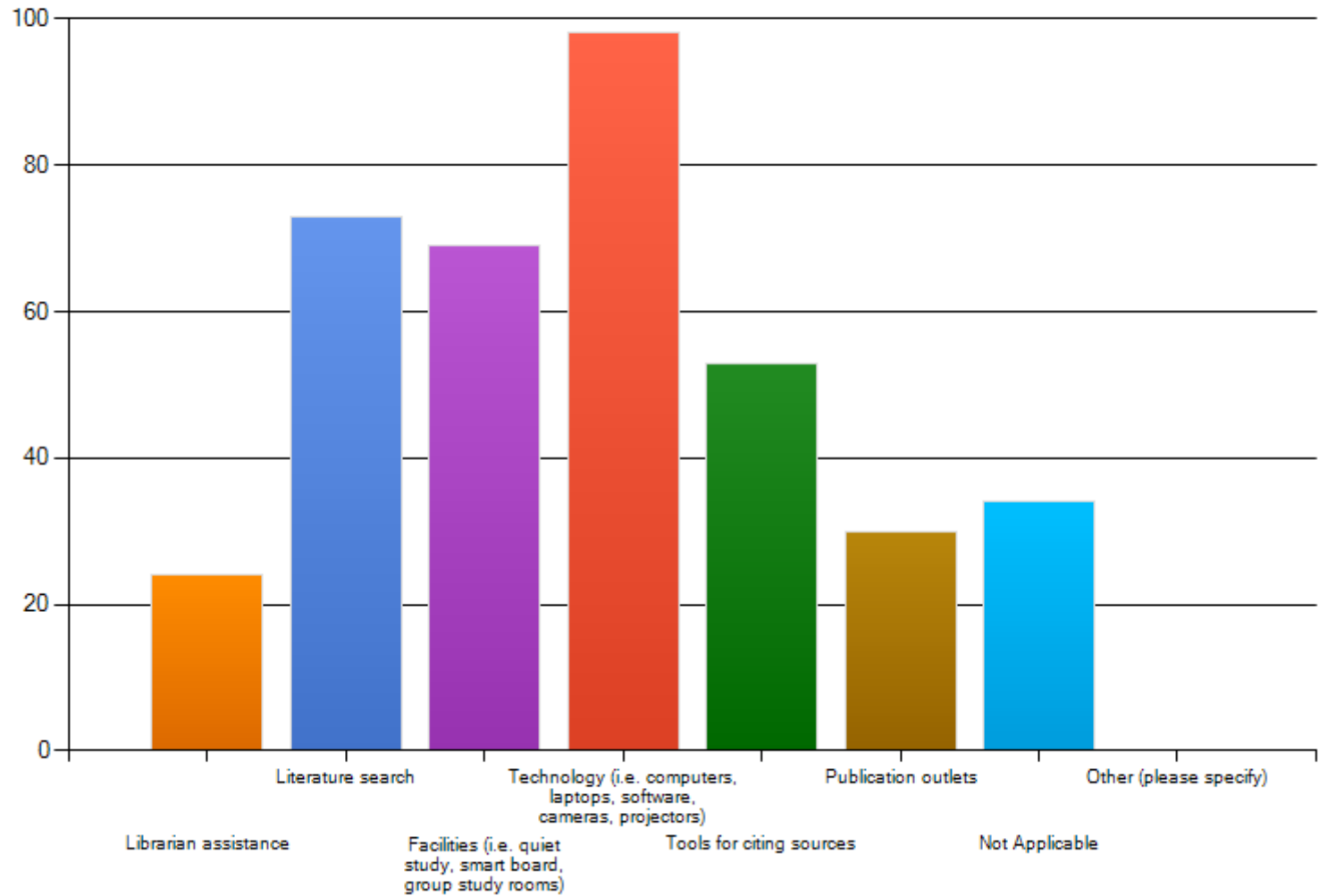
During Stage 1 (Literature review/background research) how can the library best assist you? Check all that apply.



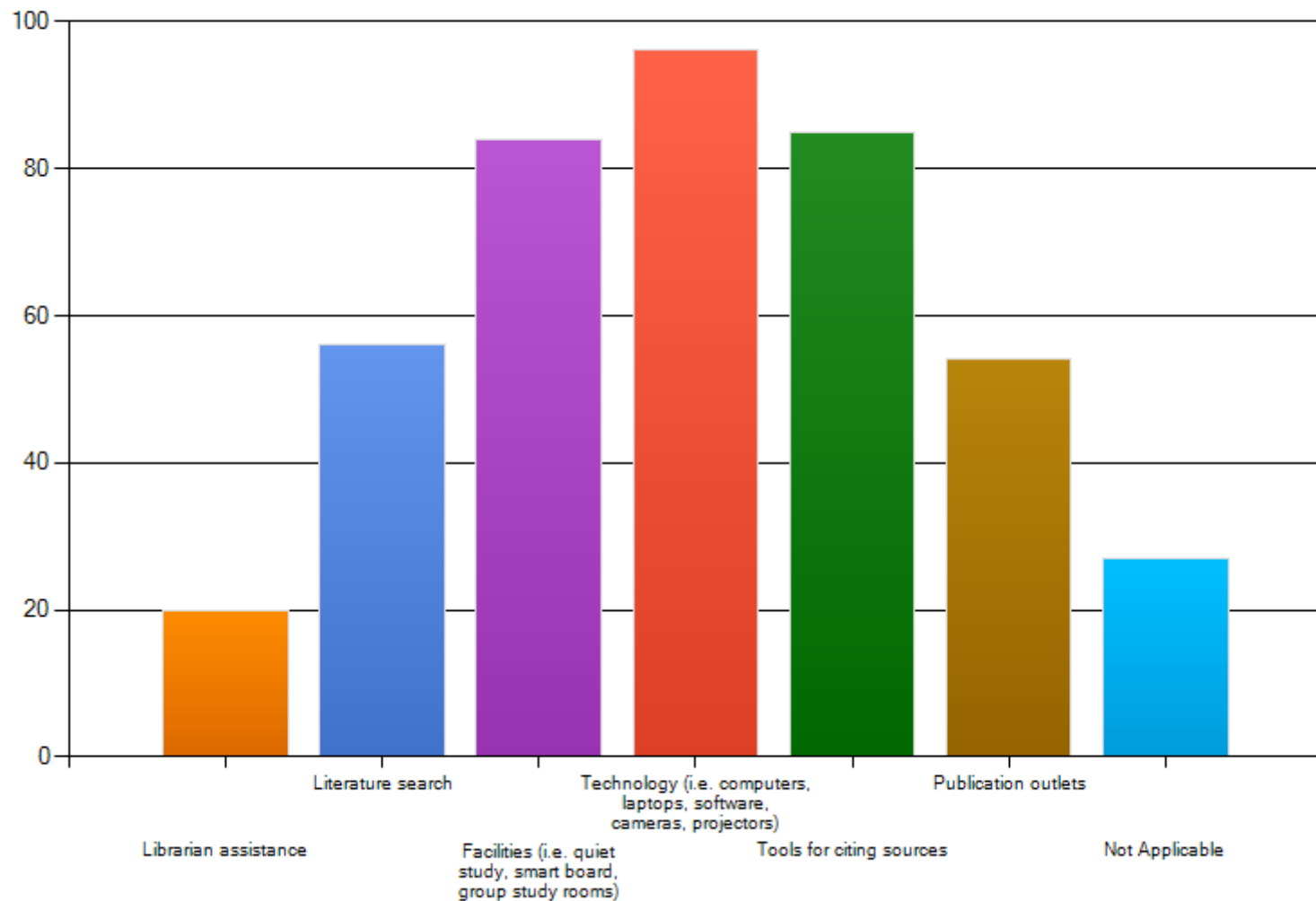
**During Stage 2 (Design of study/project goals) how can the library best assist you?
Check all that apply.**



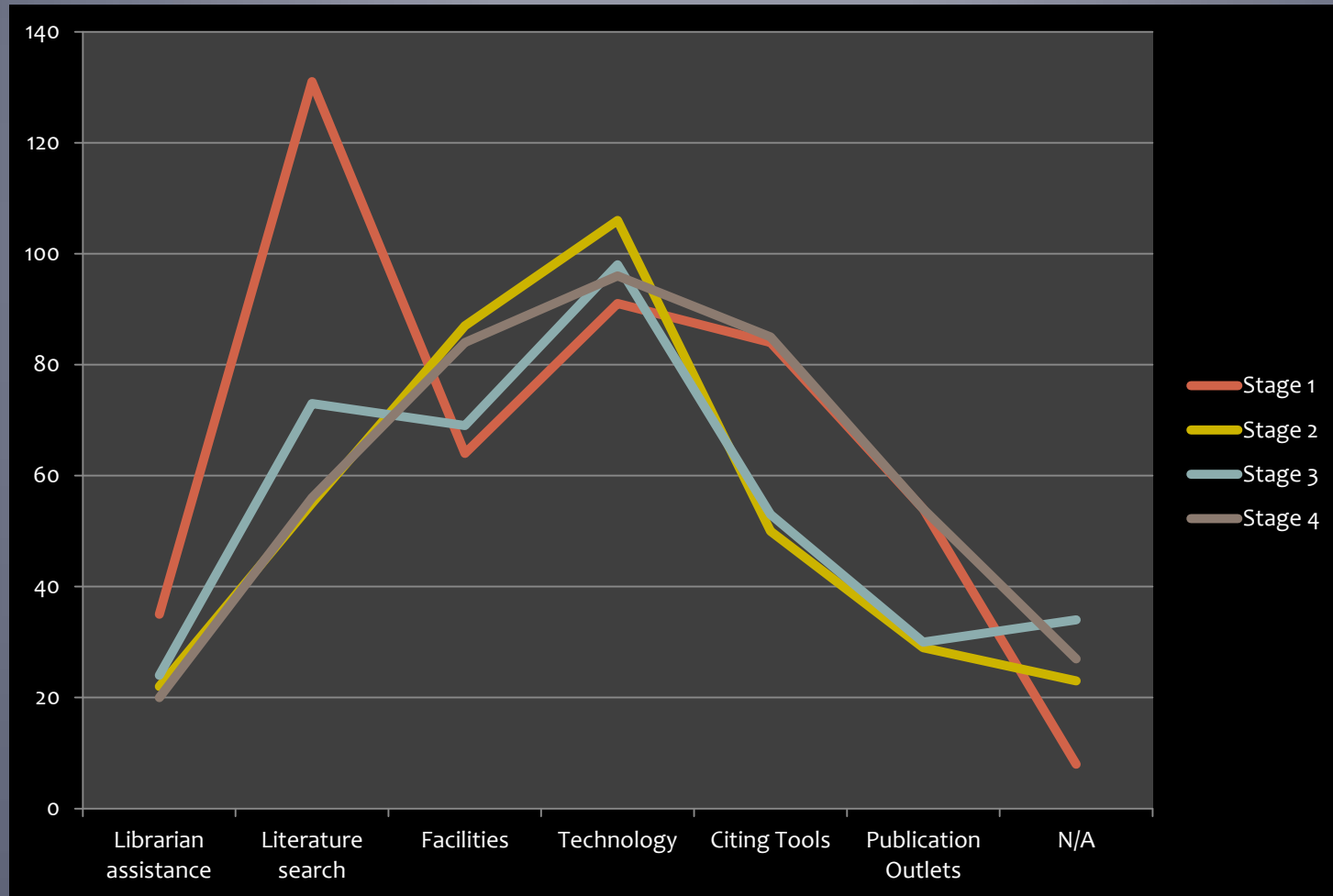
During Stage 3 (Data collection/scholarly research on topic) how can the library best assist you? Check all that apply.



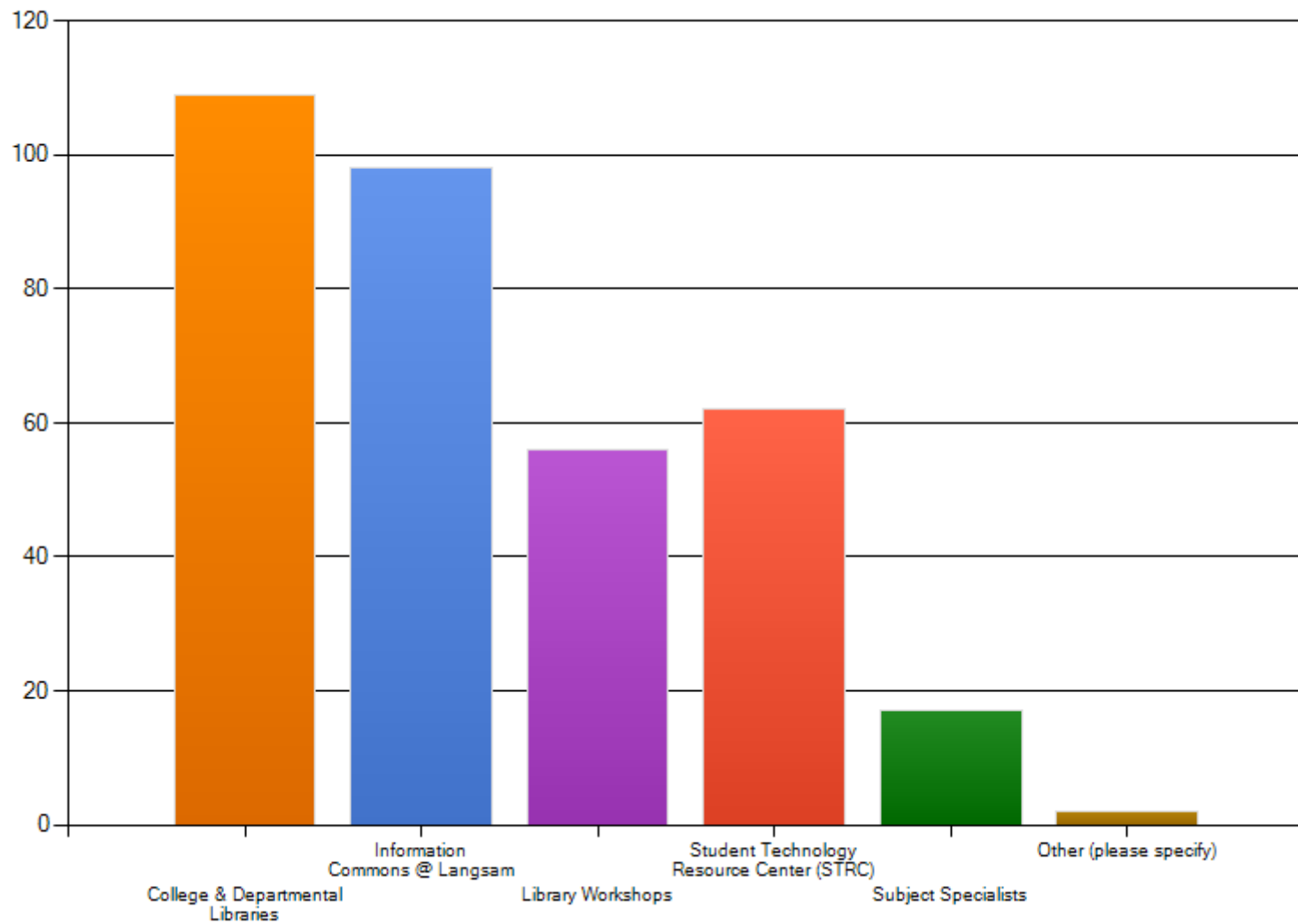
**During Stage 4 (Summarizing results/findings) how can the library best assist you?
Check all that apply.**



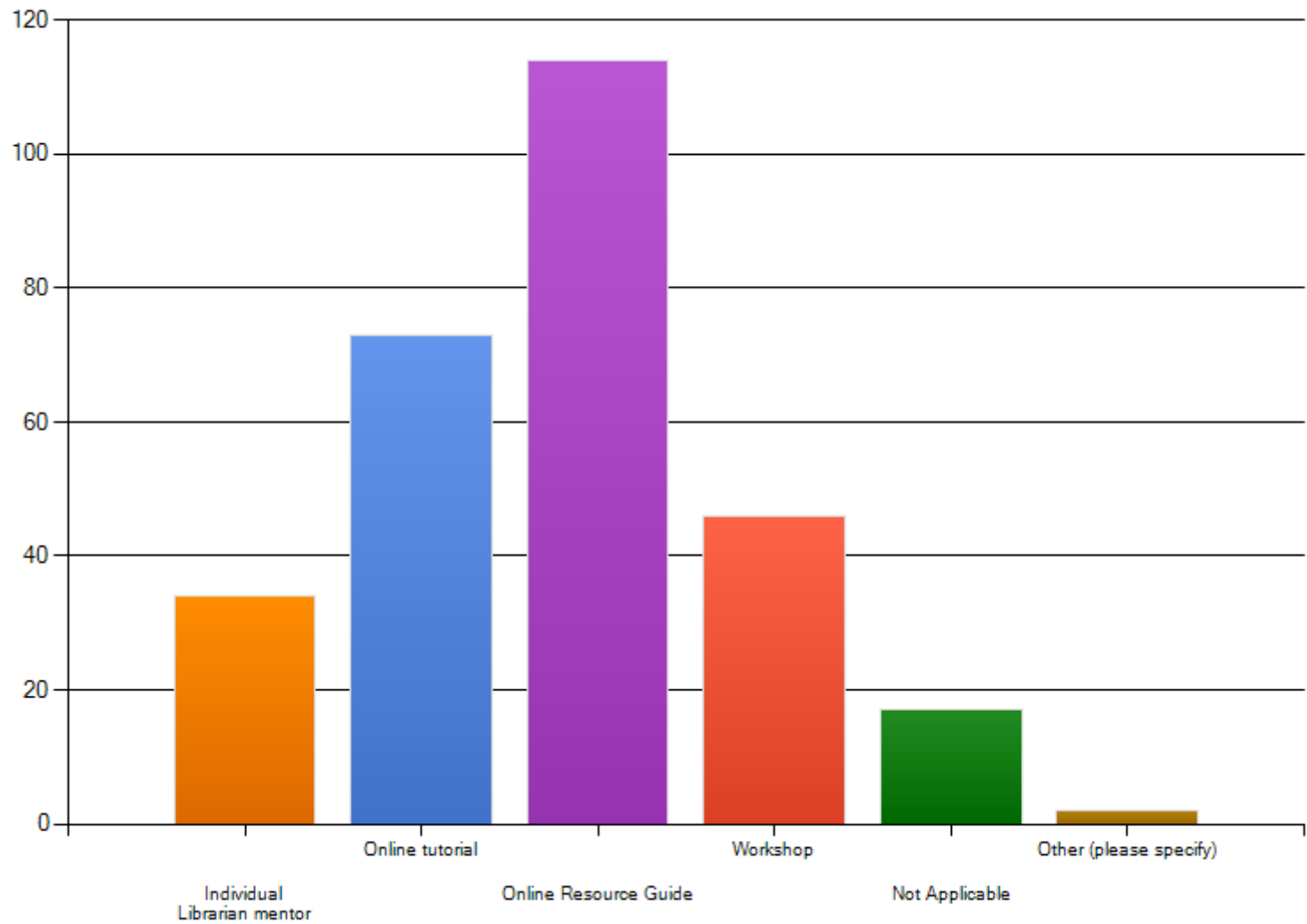
Research Stages



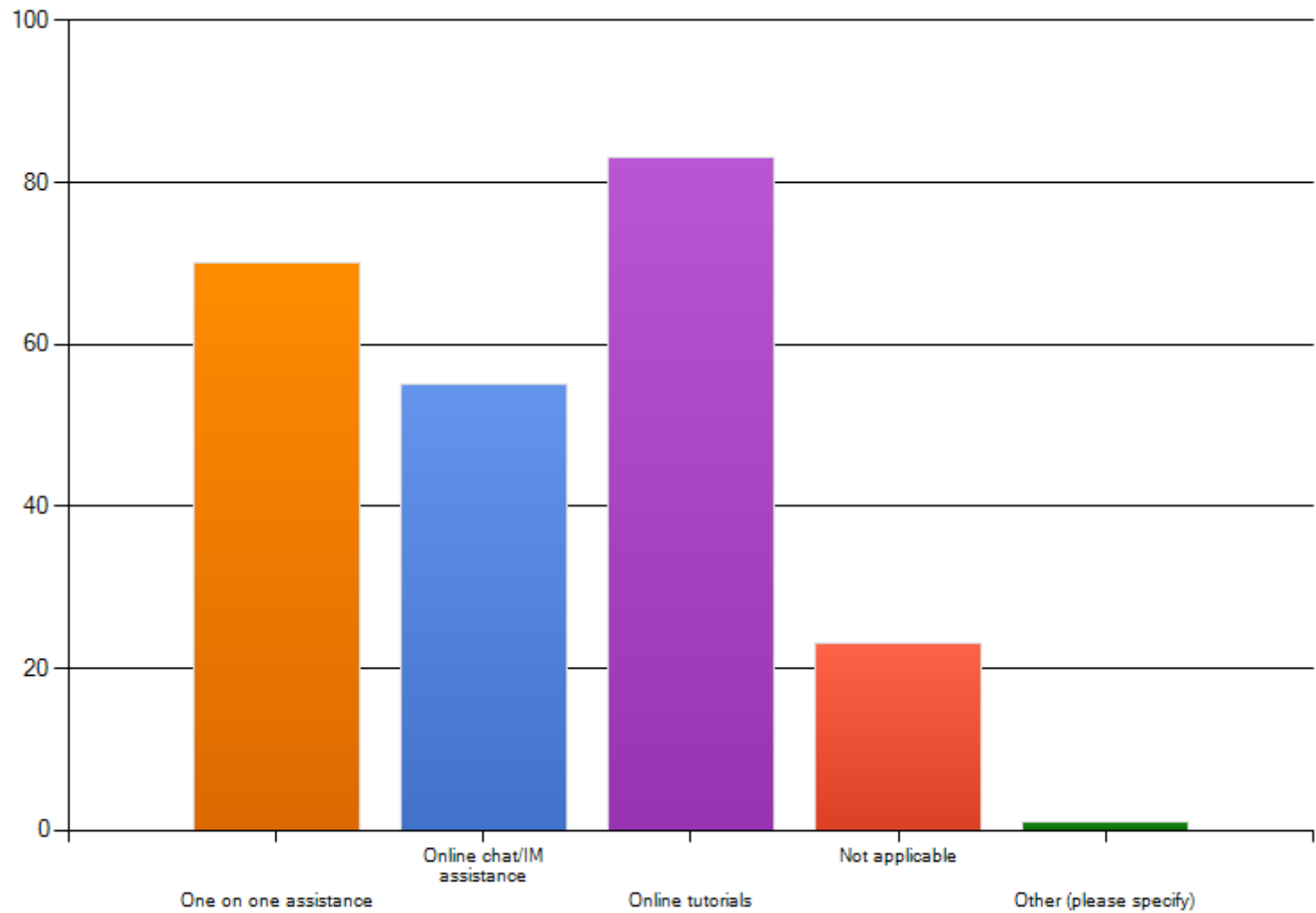
Please select the library service/assistance that you are aware of. Check all that apply.



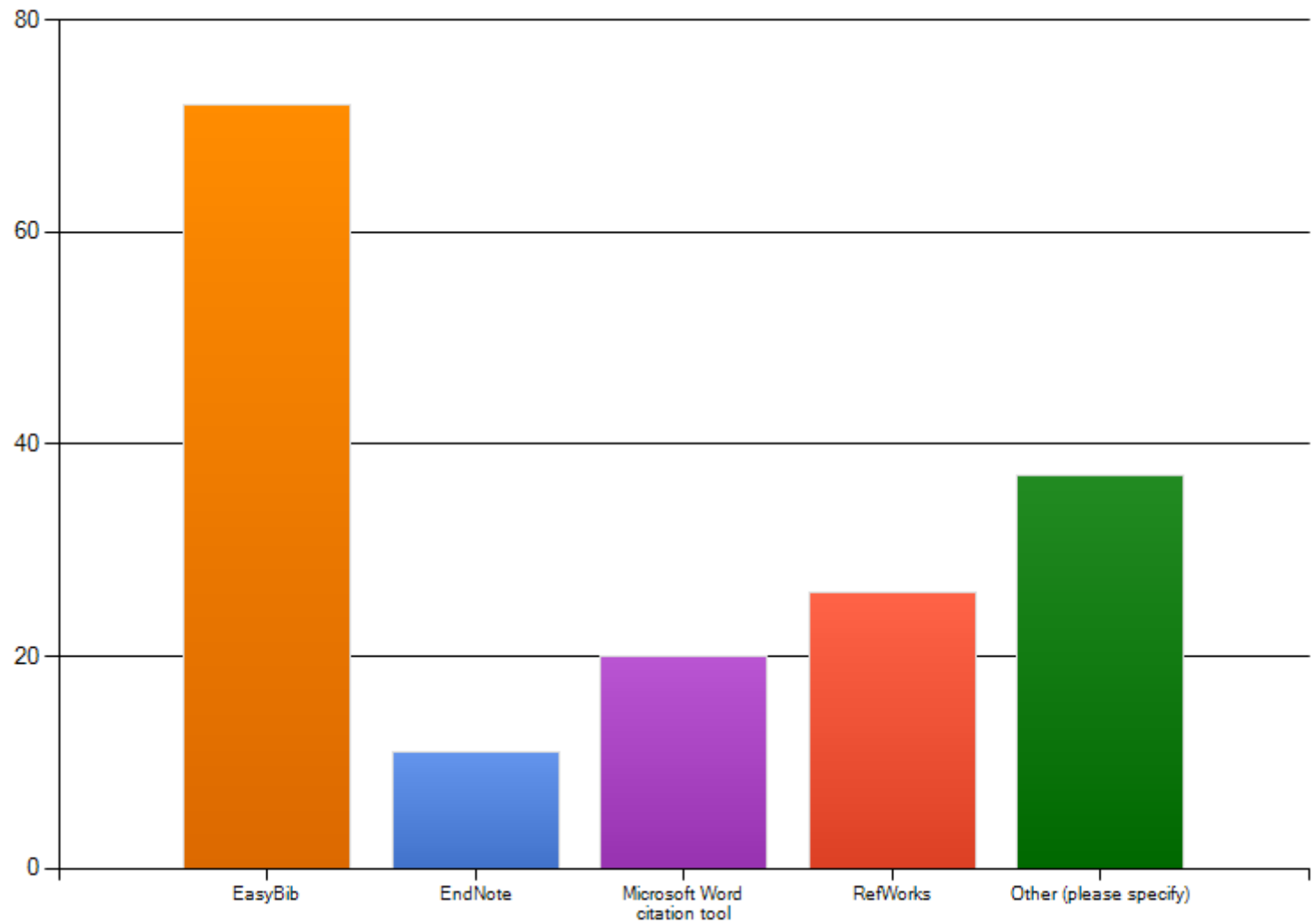
How can the library best assist you with a literature search? Check all that apply.



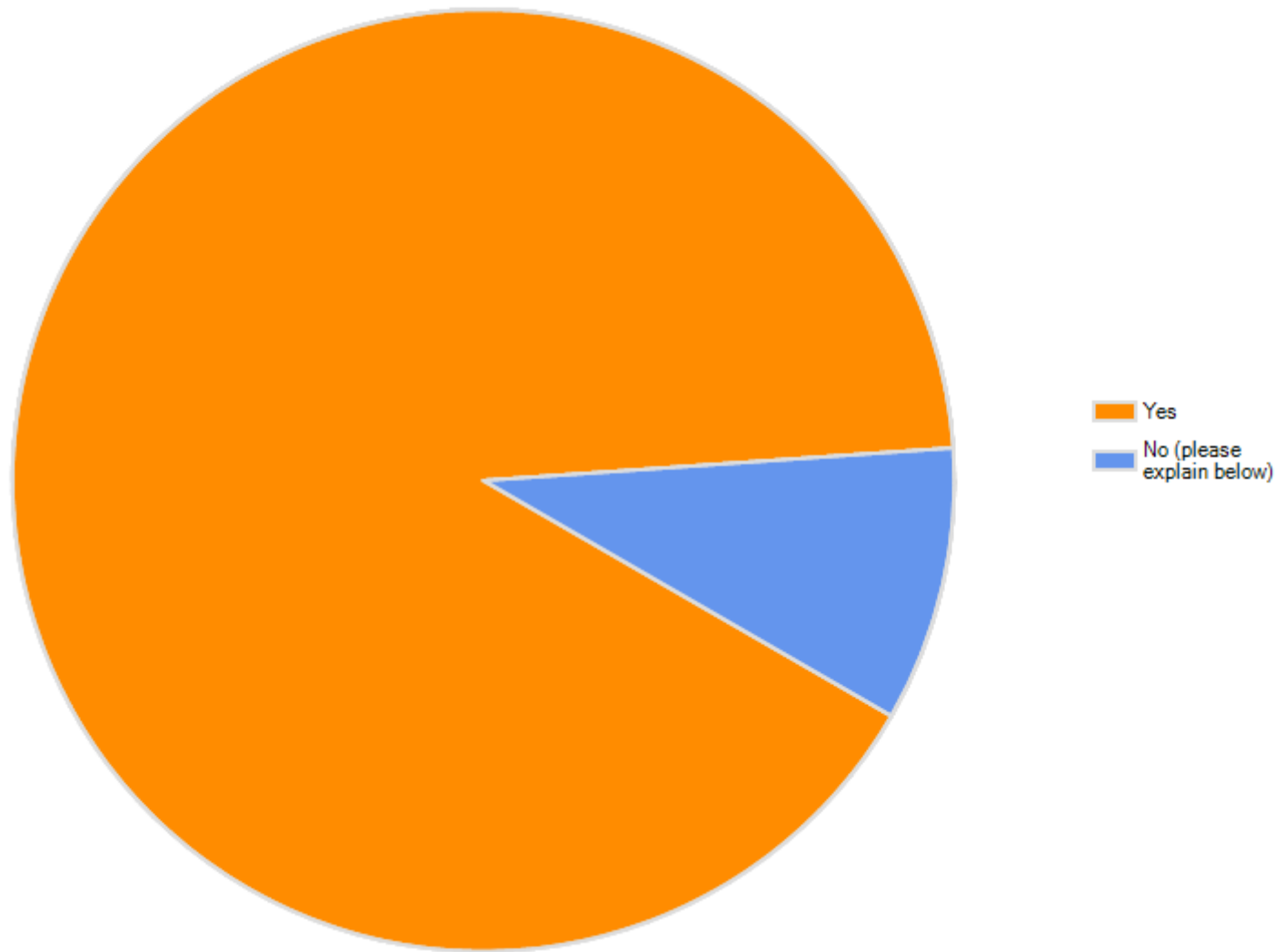
What type of librarian mentoring would be most helpful? Check all that apply.



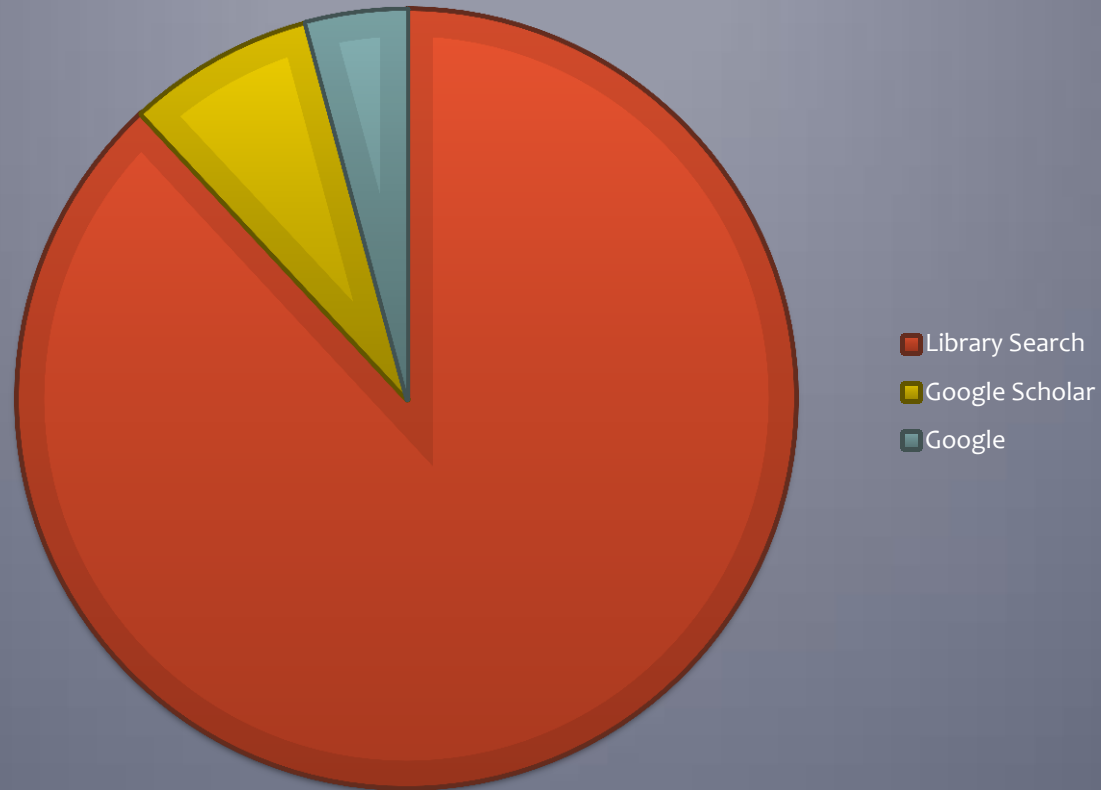
What tools did you use for citing sources? Check all that apply.



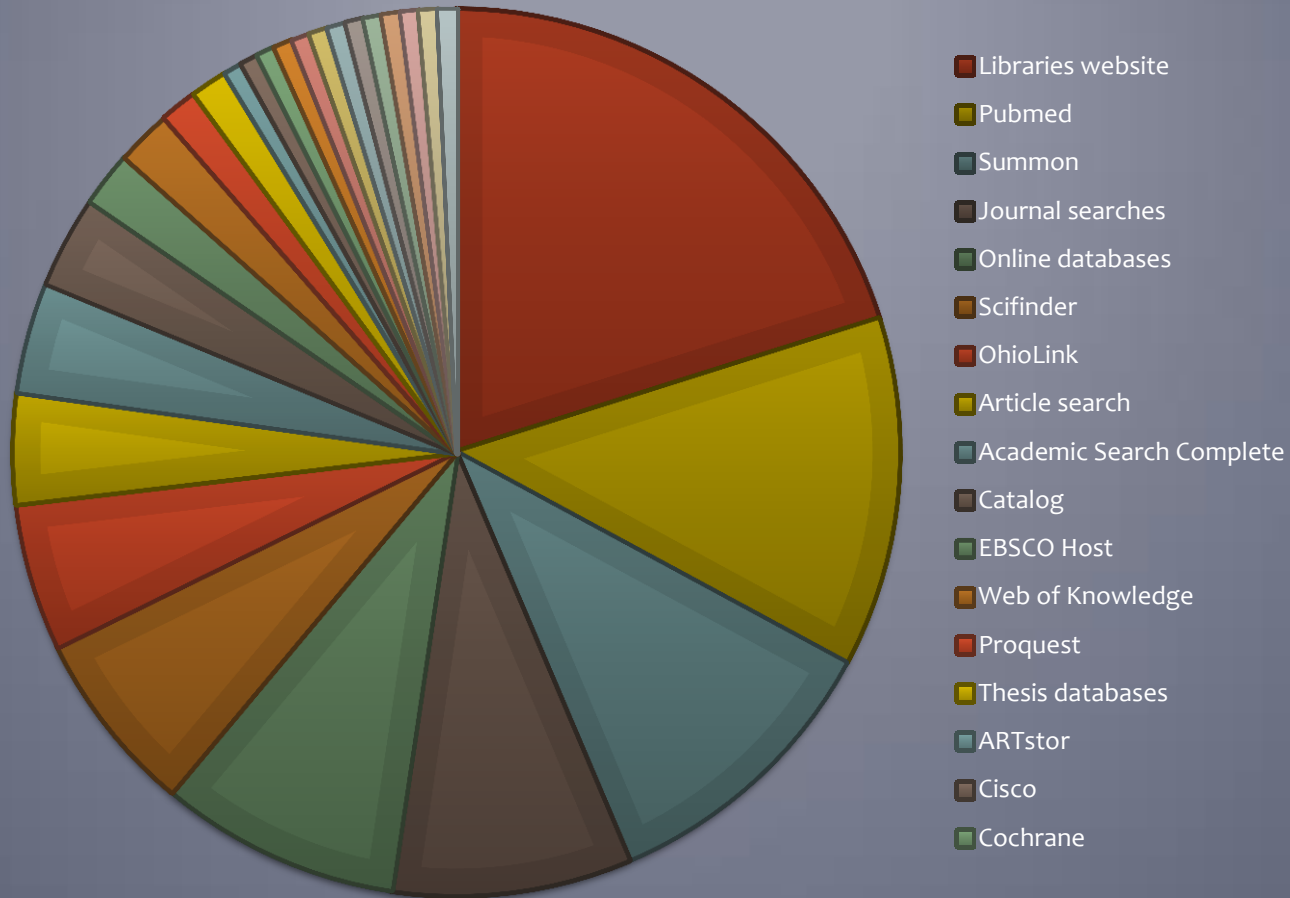
Would tools that create citations be helpful to you?



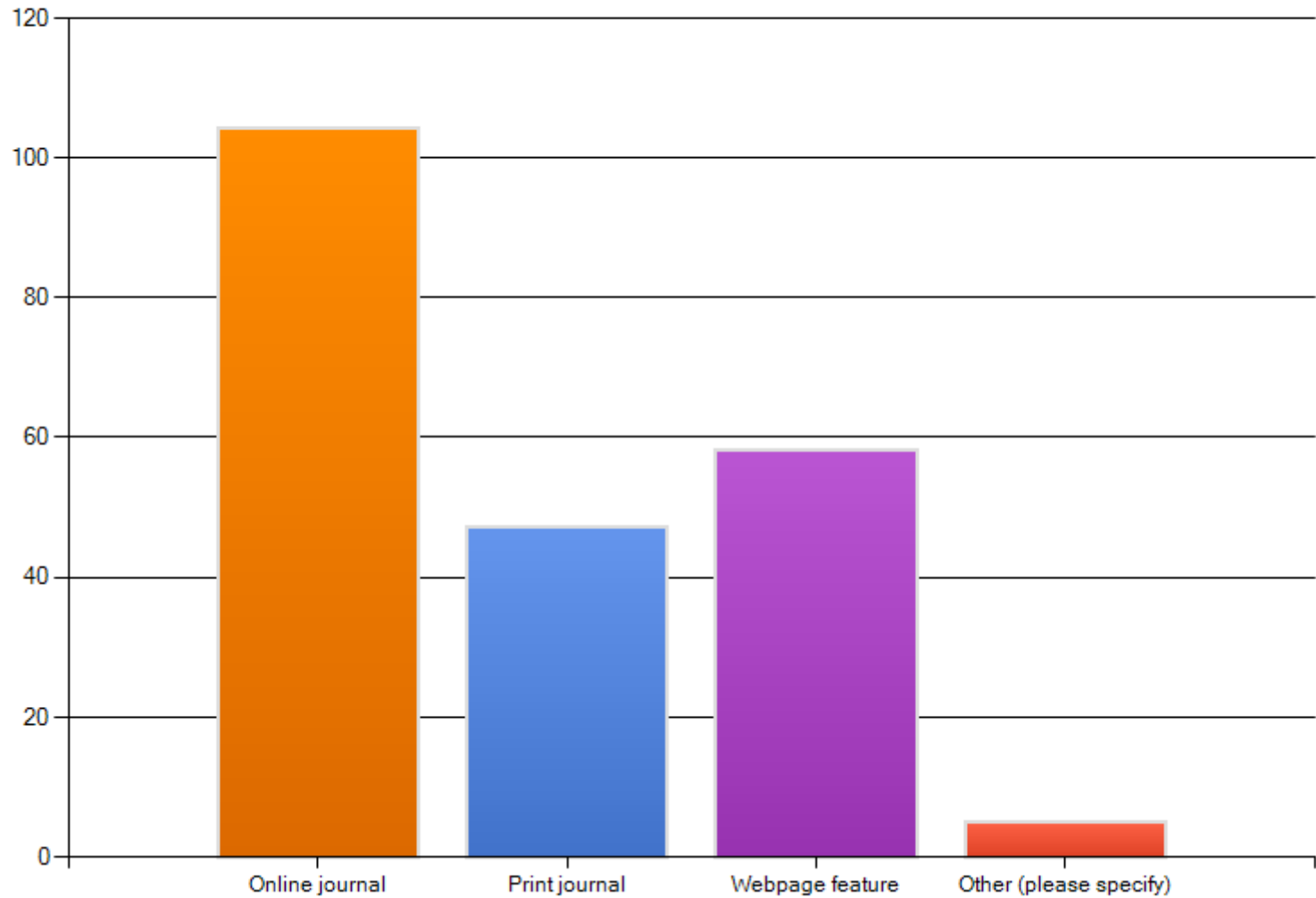
What Search Tool use most frequently when doing a literature search?



What search tool(s) do you use most frequently for conducting a literature search?



Related to your project, what types of undergraduate publication outlets would you like to see available at UC to facilitate sharing your work? Check all that apply.



What we learned

- Representation from hard sciences
 - biology, neuroscience, chemistry, and biomedical engineering
- Research: Quantitative, Qualitative, Scholarly
- Library needs changed based on stages of research
 - literature search, technology, facilities, citing
- Knowledgeable about libraries
 - C&D libraries, services at Langsam, specific databases
- Unaware of subject specialist librarians and likely the corresponding research guides

What students want

- Literature search assistance
 - online guide /tutorial, workshop or one on one assistance
- Librarian mentoring
 - online guide as well as one on one
- Citation tools
 - EasyBib, **RefWorks**
- Publication outlets
 - Online journal, webpage, print journal
 - [Explorations: The Journal of Undergraduate Research, Scholarship, and Creativity at Wright State](#)
 - [Undergraduate Research Journals](#)