

Academic Library Services and Undergraduate Academic Success: Trends in Research Literature

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Research Questions

- What academic success measures are explored in relation to academic library services?
- What research designs have been used to study academic success measures and academic library services?



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Academic Success Measures

Value of Academic Libraries (2010)

- GPA
- Persistence
- Test scores
- Graduation rates
- Time to graduation
- Learning outcome attainment
- Transfer ready status
- Job placement
- Post-college career advancement

York, Gibson, and Rankin (2015)

- Academic achievement
- Attainment of learning objectives
- Acquisition of desired skills and competencies
- ~~Satisfaction~~
- Persistence
- Post-college performance

Scoping Review Method

- Systematically explores literature on a particular topic
- Does not assess the quality of the literature
- Arksey and O'Malley (2005) Framework
 - Identify the research question
 - Identify relevant studies
 - Select studies
 - Chart the data
 - Collate, summarize, and report the results

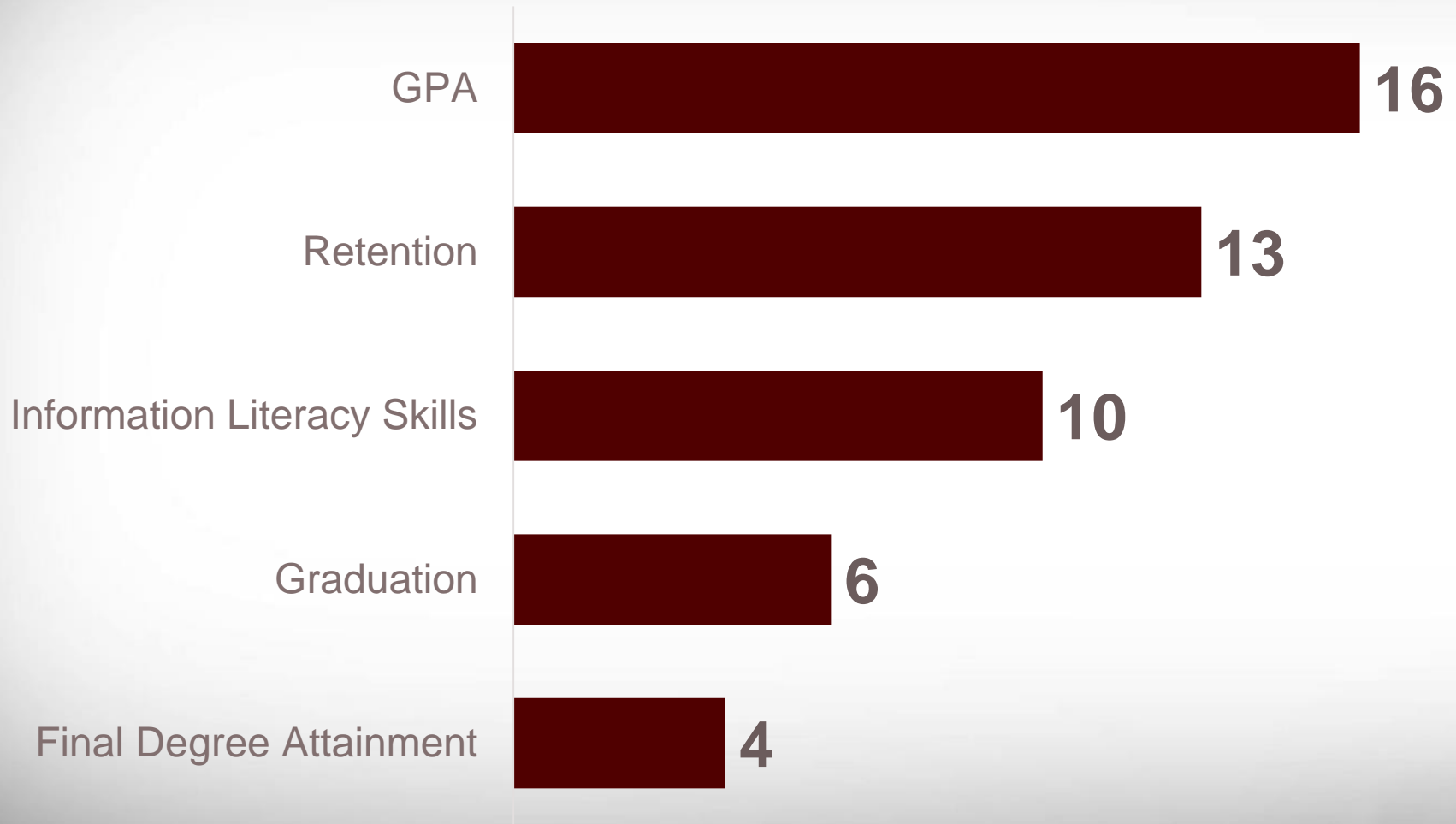
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Articles Included in
Scoping Review

Included Articles by Journal

Journal	Articles
<i>College & Research Libraries</i>	11
<i>Journal of Academic Librarianship</i>	7
<i>portal: Libraries & the Academy</i>	3
<i>Evidence Based Library & Information Practice</i>	3
<i>Library & Information Science Research</i>	1
<i>Journal of the Canadian Health Libraries Association</i>	1
<i>College & Undergraduate Libraries</i>	1
<i>Education Libraries</i>	1
<i>Liber Quarterly: The Journal of European Research Libraries</i>	1
<i>Library Management</i>	1
<i>Communications in Information Literacy</i>	1
<i>Libri: International Journal of Libraries & Information Services</i>	1
<i>Nurse Education in Practice</i>	1
<i>Reference Services Review</i>	1
<i>Australian Academic & Research Libraries</i>	1
<i>Serials</i>	1
<i>Annals of Library & Information Studies</i>	1

Use of Academic Success Measures



Missing Measures

Value of Academic Libraries (2010)

- Test scores
- Transfer ready status
- Job placement
- Post-college career advancement

York, Gibson, and Rankin (2015)

- Post-college performance



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Research Designs

Quantitative	Mixed Methods	Qualitative
31	7	0

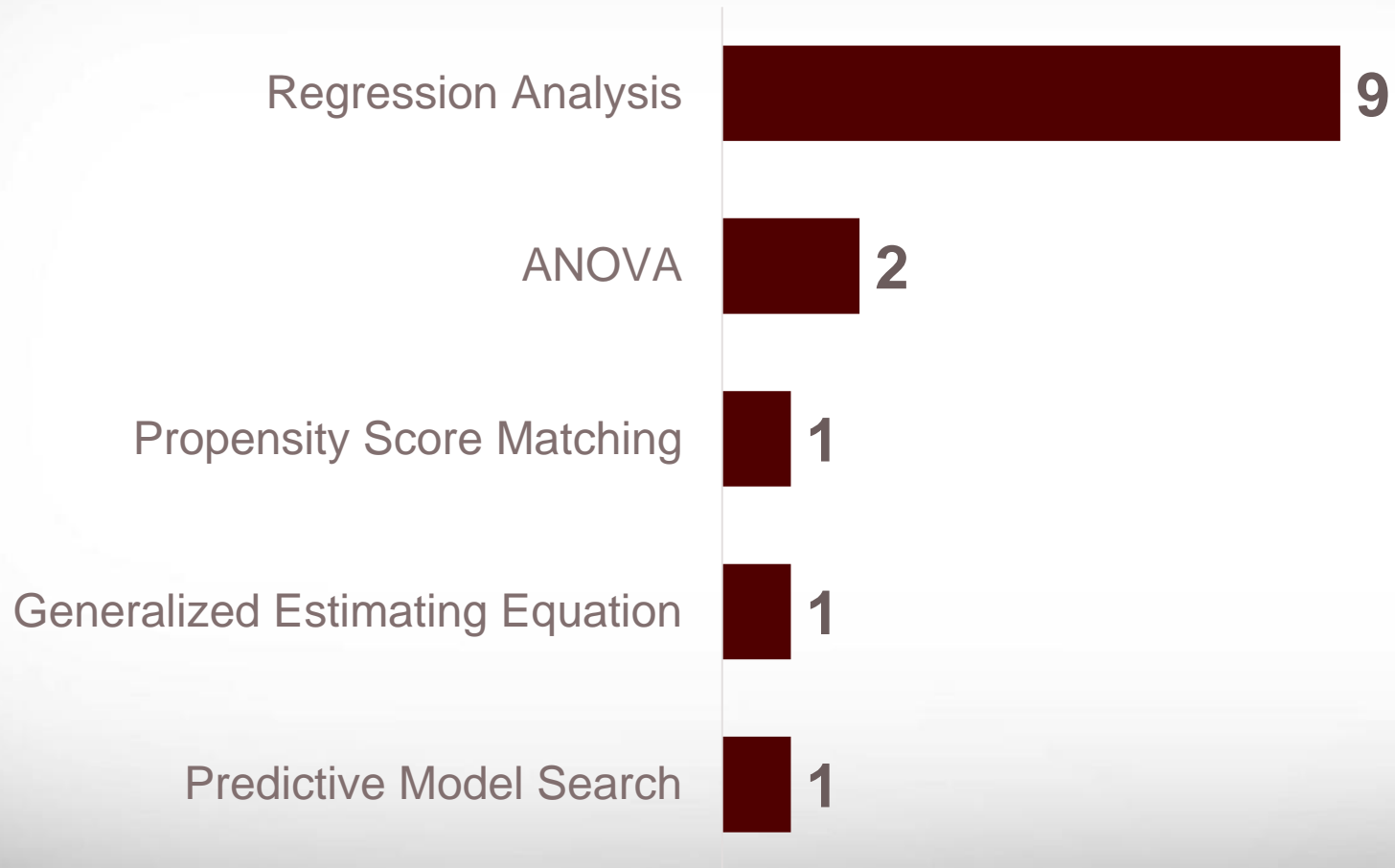
Data Collection

Participant Sample	Student	University
Number of Studies	33	5
Types of Data	<p>University data</p> <ul style="list-style-type: none">- Academic records <p>Library data</p> <ul style="list-style-type: none">- Building use, checkouts, credit bearing IL courses, electronic resource usage, instruction session attendance, interlibrary loan, research help, study room reservations, workstation logins- Surveys, tests, course assignments	<p>External data sources</p> <ul style="list-style-type: none">- Integrated Postsecondary Education Data System (IPEDS)- National Center for Education Statistics Academic Library Survey- ACRL Metrics database- ARL statistics

Simple Statistics

	Descriptive	Presence of Relationship	Difference in Groups
Statistical Methods	<ul style="list-style-type: none">• Counts• Percentages• Mean• Median• Mode• Standard deviation• Ratios	<ul style="list-style-type: none">• Pearson correlation• Chi-square test for independence• Spearman correlation	<ul style="list-style-type: none">• T-test• Z-test• Mann-Whitney test• Fisher's exact test

Advanced Statistics



Considerations for Future Research

- Use of study designs beyond simple statistical methods
- Investigation of success measures from alternate angles or examination of different success measures
- Incorporation of higher education theoretical frameworks
- Publication outside of library journals

References

- Arksey, Hilary, and Lisa O'Malley. 2005. "Scoping Studies: Towards a Methodological Framework." *International Journal of Social Research Methodology* 8 (1): 19-32.
- Association of College and Research Libraries. 2010. *Value of Academic Libraries: A Comprehensive Research Review and Report*. Researched by Megan Oakleaf. Chicago: Association of College and Research Libraries.
- York, Travis T., Charles Gibson, and Susan Rankin. 2015. "Defining and Measuring Academic Success." *Practical Assessment, Research and Evaluation* 20 (5): 1-20.

Thank you!

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