

Statistics Program

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OVERVIEW

On three broad measures—books, journals, and databases—the library’s collections in Statistics are in fairly good shape in terms of core resources. The essential question is whether collection development is keeping pace with the faculty’s needs, given the aim for library resources and services to be commensurate with FIU’s Research One ranking.

For example, the citation-rankings approach to evaluation of journals collections, with its focus on established titles, has somewhat of a conservative bias. It generally does not count newer titles that, though lacking a certain impact in the scholarly system, may be relevant on campus. For such needed breadth and innovation in collection development, the library relies on its collaborations with the faculty.

MAIN REPORT

BOOKS

Approval plan coverage of books of specific interest includes:

- all university-press titles in Library of Congress subject class QA (covering mathematics and computer science, as well as statistics);
- all trade-publisher titles on *probability*, *statistics*, and *stochastic processes*;
- all American Mathematical Society publications other than textbooks;
- all advanced-undergraduate, graduate, and professional textbooks in Library of Congress subject class HA (social science statistics); and
- all academic-level books on the *history of science* and *contemporary social or public policy aspects of science*.

Online books: Of the 56,000 *NetLibrary* electronic books leased by the library, 75 titles have *mathematical statistics* as a keyword descriptor.

Faculty orders are afforded through another budget that does not have departmental limits (the library attempts to acquire everything requested each year).

JOURNALS

The library has 82 titles funded under Statistics: 40 print, 42 online (14 both print and online).

To facilitate the selection of needed new titles, the library's holdings are compared against the citation-impact ranked journals in three literatures:

- Statistics and Probability—the library has 58 (83%) of the 70 titles.
- Mathematics, Interdisciplinary Applications—the library has 15 (75%) of the 20 titles.
- Social Sciences, Mathematical Models—the library has 25 (86%) of the 29 titles.

Digital archives: the library has current subscriptions to 28 of the total 30 titles in the JSTOR collection of Statistics (as well as all four JSTOR Arts & Sciences collections).

DATABASES

The library's collections of databases and other online resources, about 300 in number, appear to include the core ones in statistics: *Current Index to Statistics*; *MathSciNet*; *Applied Science and Technology Full Text*; *Science Citation Index*; and *Statistical Lexis Nexis*.

A collection development aim is to acquire *Project Euclid*, an online-journal package that is mostly for mathematics, though it includes two titles in statistics (and others in related fields).