

Tableau Data Visualizations and Collection Analysis for Shared Print

PAN Forum

ALA Annual - June, 2018

Susan Stearns, Project Director

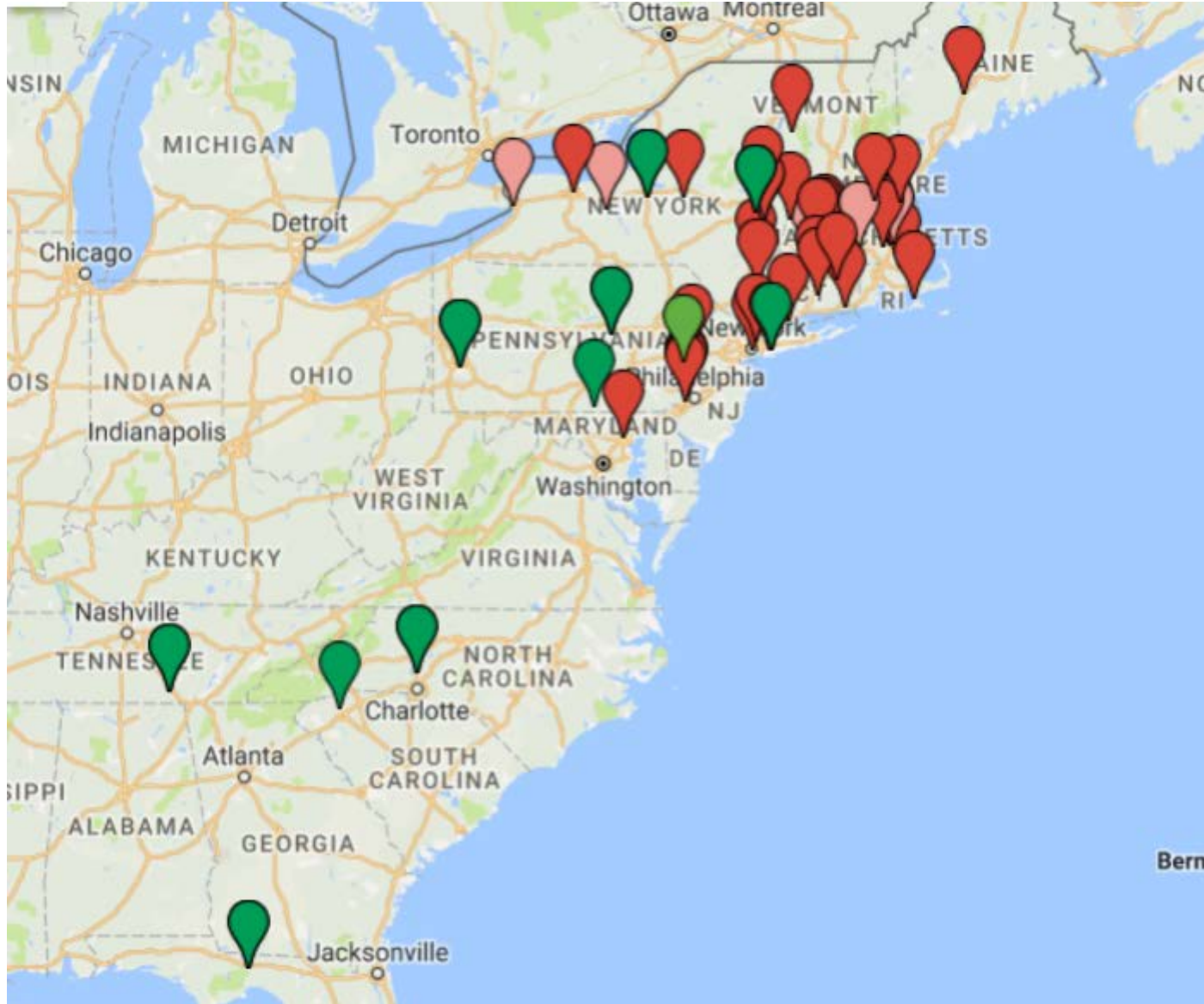


BOSTON LIBRARY CONSORTIUM



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60 institutions in 11 states from Maine to Florida

Over 9 million monographs retained

9k+ serials/journal holdings retained

What is Tableau?

- An interactive data visualization tool
- Visual encoding of data allows it to be presented in a variety of ways
- Interactivity with the data supports exploration and discovery
- Increasingly popular tool for libraries as part of ongoing assessment work
- Available in a variety of ways including a free, public version



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Using Tableau for Collection Analysis

- EAST worked with Center for Research Libraries (CRL) to analyze overlap and uniqueness of serials and journals holdings for 21 of our Cohort 1 retention partners
- Using the provided holdings from the libraries, CRL developed a series of spreadsheets for EAST
- We had been spoiled using GreenGlass for monograph collection analysis and wanted a way to visualize the spreadsheet data
- Sara Amato, Data Librarian, uploaded the holdings overlap data into Tableau for modeling



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Goals

- Provide an easier to use view into the collective EAST serials/journals collection
- Simplify libraries' ability to review widely held titles to eliminate those deemed inappropriate for retention
- Allow us to focus on groups of titles held by different numbers of EAST member libraries
- Once we agreed the the initial retention model, simplify the process of review of title lists by libraries

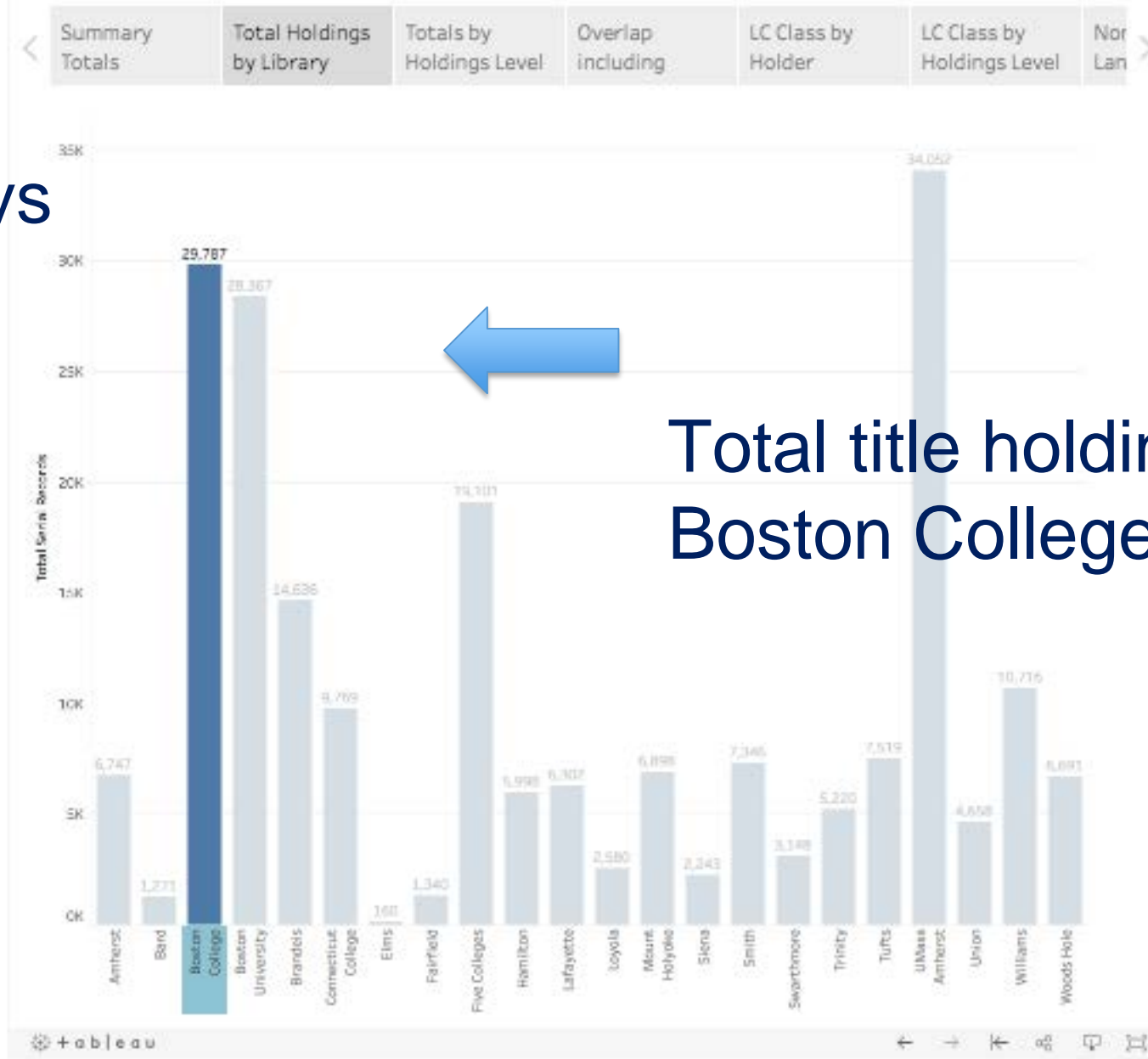


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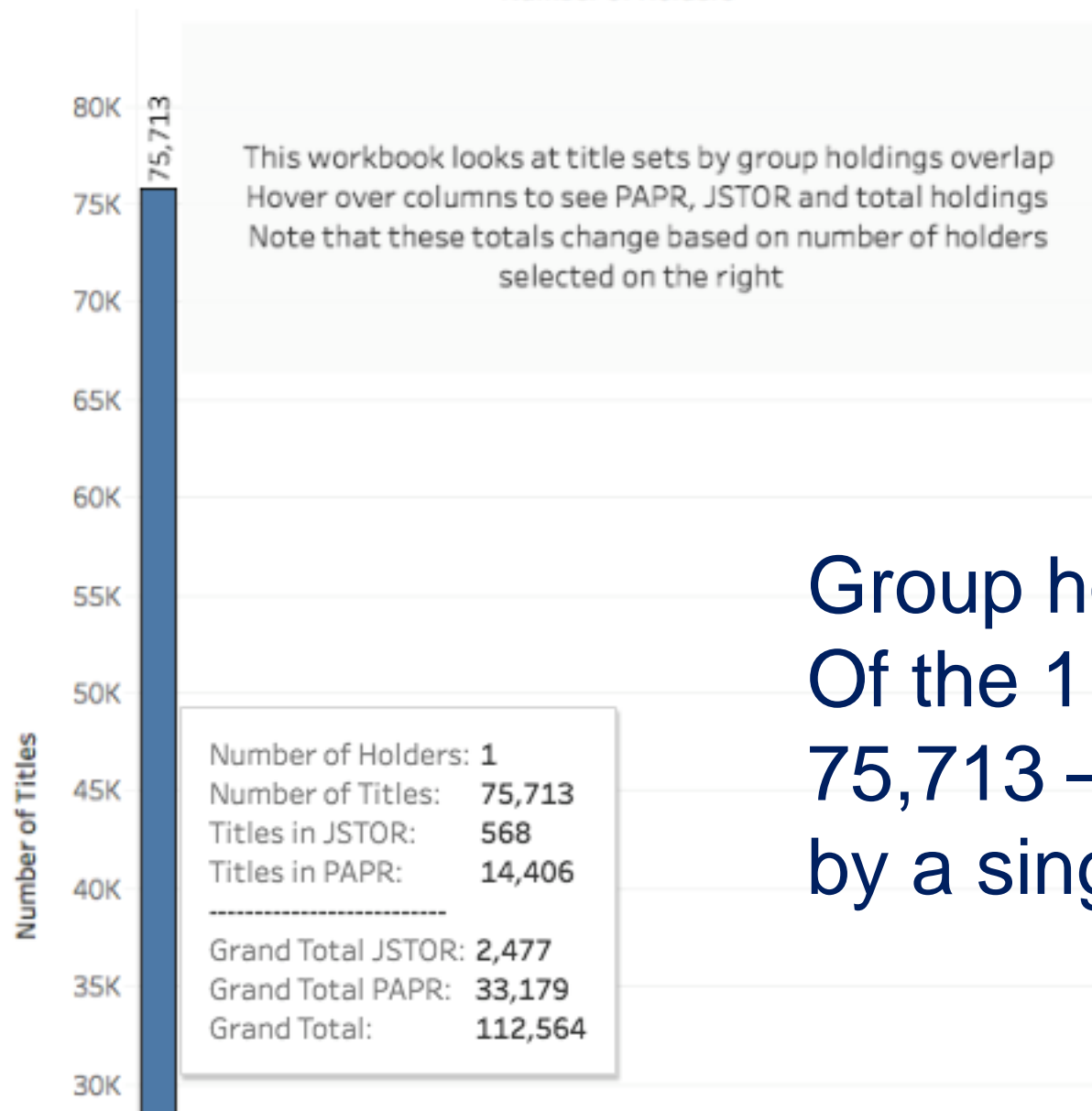


Faceted displays



Total title holdings by library
Boston College = 29,787

Number of Holders

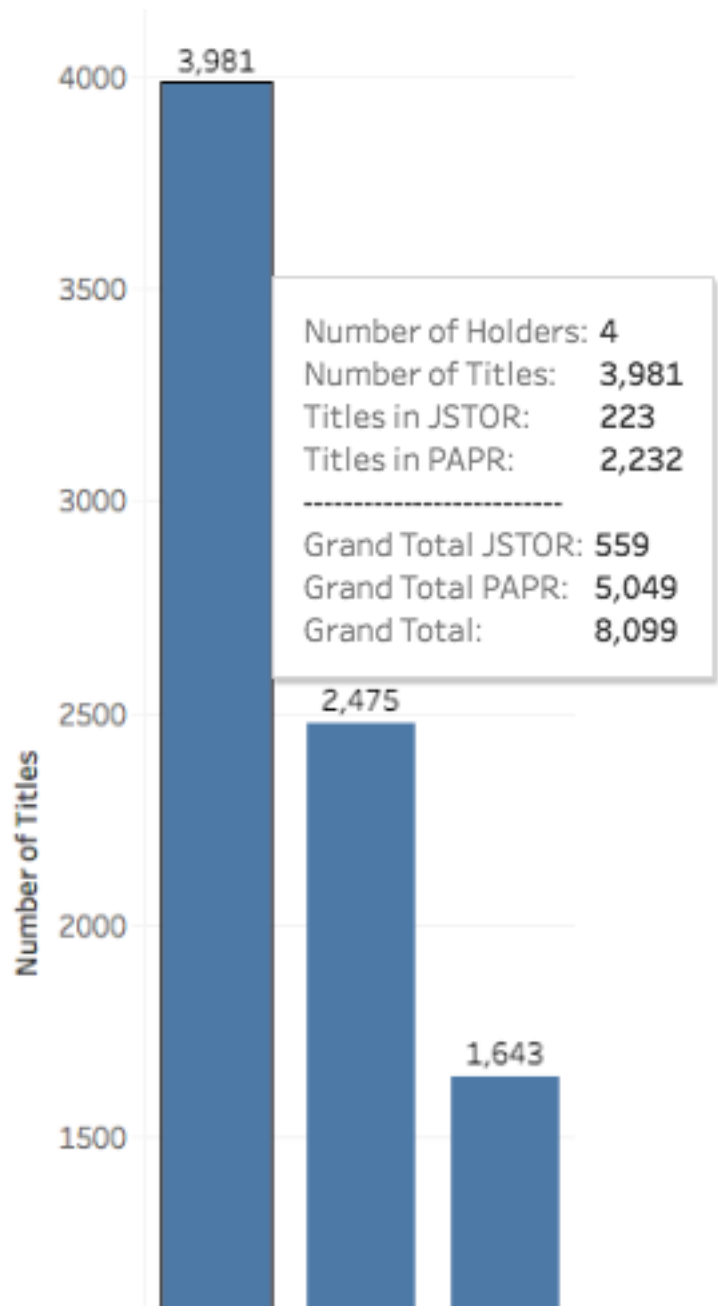


Group holdings overlap
 Of the 112,564 EAST titles,
 75,713 – or 67% were held
 by a single EAST library

Number of Holders

- (All)
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22



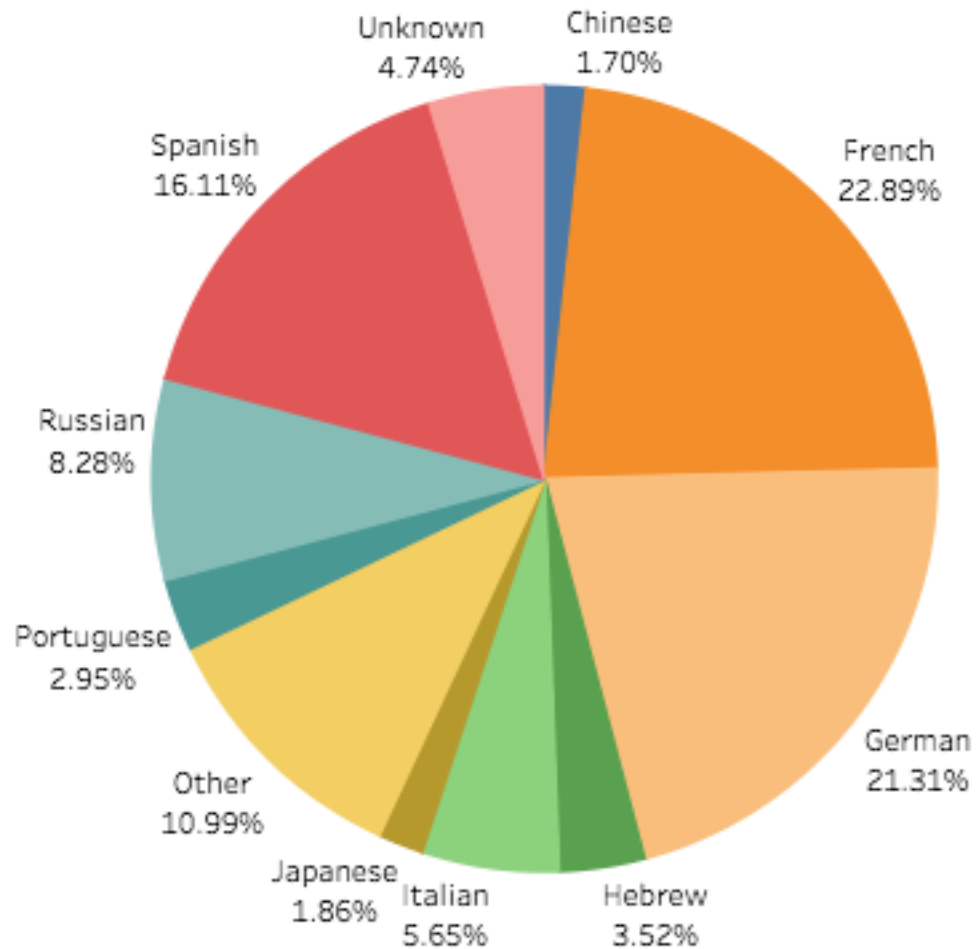


Number of Holders

- (All)
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21

Same display limited to titles held by 4-6 EAST libraries

80% of titles are in English.
Here is a breakdown of the remaining 20%.



Language (group)

- Chinese
- French
- German
- Hebrew
- Italian
- Japanese
- Other
- Portuguese
- Russian
- Spanish
- Unknown

Total

21,448

The non-English languages represented in the serials/ journals data set

Titles Totals by Library

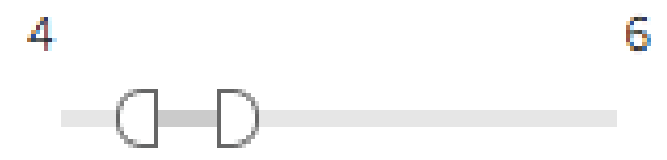
Totals by Library

EAST Holdings (total holdings for these titles in EAST)
Library Title Sets (how many titles in my library)

Library	Library Title Sets	East Holdings
Amherst	855	4,125
Bard	123	625
Boston College	2,629	12,616
Boston University	2,928	13,936
Brandeis	1,936	9,322
Conn College	915	4,522
Elms	47	228
Fairfield	149	721
Five Colleges	2,415	11,578
Hamilton	966	4,749
Lafayette	1,146	5,666
Loyola	559	2,659
Mt Holyoke	352	1,700
Siena	167	827
Smith	1,735	8,375
Swarthmore	687	3,445



East Holdings



Jstor

- (All)
- Not in JSTOR
- In JSTOR

Slider on screen allows you to specify the number of holding libraries you wish to see totals for and to specify whether or not JSTOR titles should be included



Library



- (All)
- Amherst
- Bard
- Boston College
- Boston University
- Brandeis
- Conn College
- Elms
- Fairfield
- Five Colleges
- Hamilton
- Lafayette
- Loyola
- Mt Holyoke

Jstor

- (All)
- Not in JSTOR

< Eastern Academic Scholars' Trust - Profile

Titles Totals by Library

EAST SERIALS/JOURNALS HOLDINGS

Updated Nov 21, 2017

2,629 EAST Title Sets

12,616 EAST Title Holdings

Title	Oclc	ISSN	EAST H..
20 century British history	22481516	0955-2359	4
20th century studies	1767871	0041-4638	4
1650-1850: ideas, aesthetics, and ..	26569919	1065-3112	4
A Bibliography for the study of Afr..	3958259	0161-5726	5
A checklist of American imprints for	2441053	0361-7920	5
A Forum on taxing & spending	4268671	0162-9794	4
A London bibliography of the socia..	1782295	0076-051X	6
A Miscellany of American poetry	5089635	None	5
A Picture of world economic condit..	1771632	None	4
A.M.A. archives of industrial health	1513872	0567-3933	4
A.M.A. archives of neurology	2723788	0375-8540	4
A.U.M.L.A: Journal of the Australa..	1518636	0001-2793	4
ABA banking journal	4868109	0194-5947	6
Abaco: Estudios sobre literatura e..	1460522	0572-3000	5

Title lists – the 4-6 holdings of Boston College

Can be directly downloaded

How we used Tableau

- Allowed Serials/Journals Working Group to look at collective data in one place rather than having to scroll through large and complex spreadsheets
- Facilitated modeling of different retention options
- Like GreenGlass, Tableau was the source for libraries to download lists for review



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Next Steps

- Cohort 1 retention titles undergoing final review and the approximately 9,000+ titles committed for retention added to the EAST Retentions Database as well as PAPR (and eventually the Rosemont data within PAPR)
- Continuing to work with CRL on a second round of serials/journals retentions with 31 EAST libraries
- Will use Tableau in a similar way to visualize the data and facilitate collection analysis

Thank you.

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