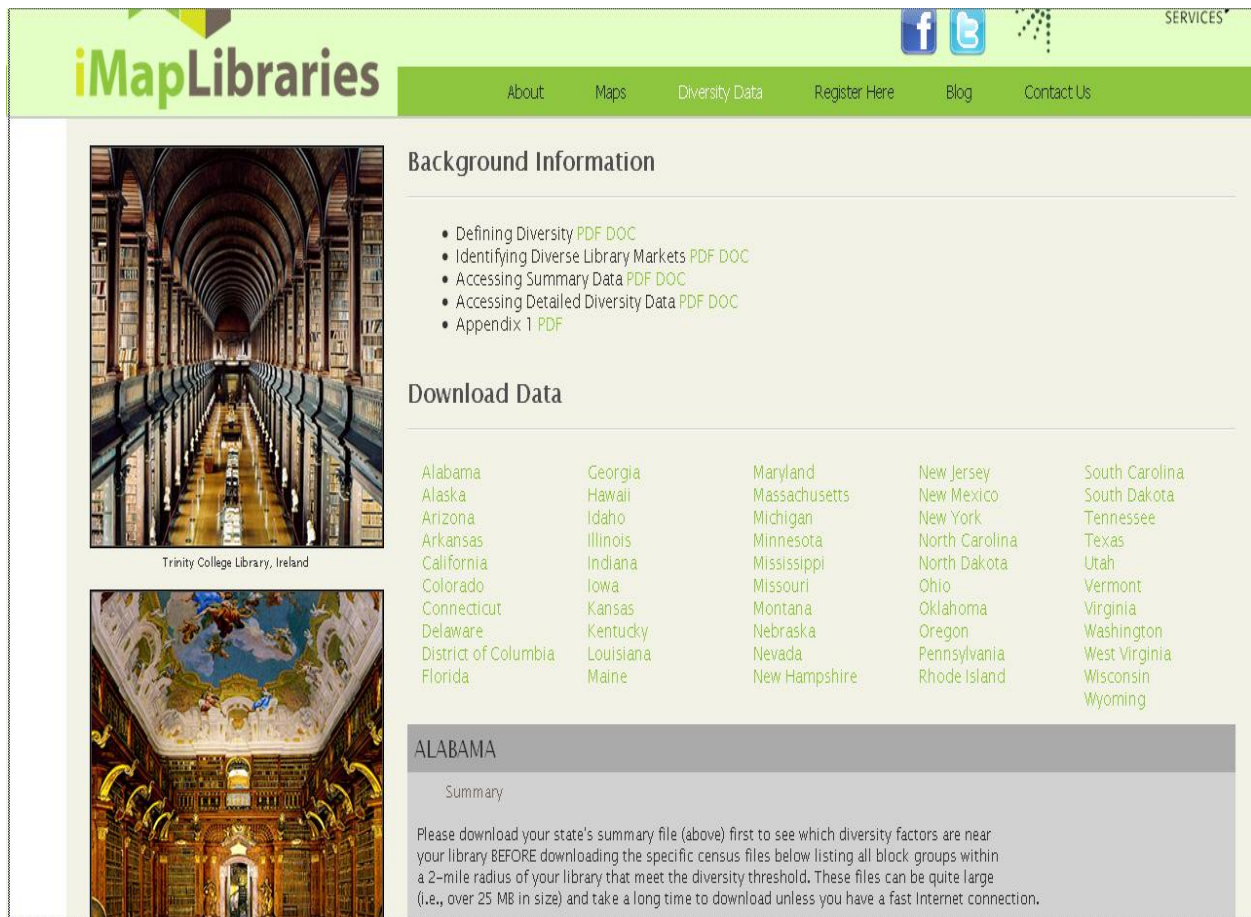


Primer on Interpreting iMapLibraries Diversity Data

- 1) Download the library diversity summary sheets for your state, which can be downloaded by going to the URL <http://www.imaplibraries.org/data.html>, then clicking on the name of your state, and then clicking on the word “Summary” immediately below your state’s name in the gray box area.



The screenshot shows the iMapLibraries website interface. At the top, there is a green header with the iMapLibraries logo and navigation links: About, Maps, Diversity Data, Register Here, Blog, and Contact Us. Below the header, there are two images of libraries: Trinity College Library, Ireland, and a grand library with a frescoed ceiling. The main content area is divided into sections: 'Background Information' with a list of PDF documents, 'Download Data' with a grid of state names, and a highlighted 'ALABAMA' section containing a 'Summary' link and a warning about large file sizes.

Background Information

- Defining Diversity PDF DOC
- Identifying Diverse Library Markets PDF DOC
- Accessing Summary Data PDF DOC
- Accessing Detailed Diversity Data PDF DOC
- Appendix 1 PDF

Download Data

Alabama	Georgia	Maryland	New Jersey	South Carolina
Alaska	Hawaii	Massachusetts	New Mexico	South Dakota
Arizona	Idaho	Michigan	New York	Tennessee
Arkansas	Illinois	Minnesota	North Carolina	Texas
California	Indiana	Mississippi	North Dakota	Utah
Colorado	Iowa	Missouri	Ohio	Vermont
Connecticut	Kansas	Montana	Oklahoma	Virginia
Delaware	Kentucky	Nebraska	Oregon	Washington
District of Columbia	Louisiana	Nevada	Pennsylvania	West Virginia
Florida	Maine	New Hampshire	Rhode Island	Wisconsin
				Wyoming

ALABAMA

Summary

Please download your state's summary file (above) first to see which diversity factors are near your library BEFORE downloading the specific census files below listing all block groups within a 2-mile radius of your library that meet the diversity threshold. These files can be quite large (i.e., over 25 MB in size) and take a long time to download unless you have a fast Internet connection.

Figure 1.
Accessing the Summary Diversity File from the iMapLibraries Website

2) Looking across the form, there are three main areas to the form. The left-most column lists one of the counties within the state, the middle (and widest column) lists all the libraries within the particular county which had a diversity index greater than zero, and the narrow columns to the right (up to 21 in all) shows how the diversity index was derived for each of the libraries. Be aware that libraries within your state that had a diversity index of zero are NOT included in the summary and diversity sheets. So the summary sheet is NOT a comprehensive list of all the libraries within your state.

Diversity for a particular library can be determined by reading across its row. If a library served a high amount of diversity for a particular factor (e.g., age, education, rate), there is a '1' in the corresponding column for that library. The last column (Grand Total) simply sums up the number of '1's for the library in that particular row and that number represents its "total diversity index." In the example below, the Smyrna Public Library serves a high amount of population diversity relative to public transportation, race, sex, and number of vehicles, with a final diversity index value of 4.

COUNTY	LIBRARY	Age	Education	HH_Income	HH_w_Children	HH_X_Race	Hispanics	Home_Value	Housing	LangAge	Ling_Isol	Median_Rent	PC_Income	PovertyAge	Pub_Assist	Pub_Transport	Race	Sex	Social_Security	Vehicles	Work_Home	Grand Total	
KENT COUNTY, DE	DE0020-002 - SMYRNA PUBLIC LIBRARY, 107 SOUTH MAIN STREET, SMYRNA																						
	DE0029-002 - DOVER PUBLIC LIBRARY, 45 SOUTH STATE STREET, DOVER	1			1	1					1	1		1	1	1	1	1	1	1	1	11	
	DE0032-004 - KENT COUNTY LIBRARY, 2319 S. DUPONT HIGHWAY, DOVER					1					1			1	1							4	
KENT COUNTY, DE Total		1			1	2				2	1			2	2	2	2	2	1	1	2	19	
NEW CASTLE COUNTY, DE	DE0015-002 - NEW CASTLE PUBLIC LIBRARY, 424 DELAWARE STREET, NEW CASTLE	1									1	1										6	
	DE0022-007 - WILMINGTON INSTITUTE LIBRARY, 10 EAST TENTH STREET, WILMINGTON	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	
	DE0022-009 - NORTH WILMINGTON LIBRARY, 3400 NORTH MARKET STREET, WILMINGTON	1	1	1	1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	18	
	DE0022-010 - WOODLAWN LIBRARY, 2101 WEST SIXTH STREET, WILMINGTON	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	
	DE0026-002 - CORBIT CALLOWAY MEMORIAL LIBRARY, 115 HIGH STREET, ODESSA	1								1						1							5
	DE0027-002 - DELAWARE CITY PUBLIC LIBRARY, 250 FIFTH STREET, DELAWARE CITY									1													2
	DE0046-002 - APPOQUINIMINK PUBLIC LIBRARY, 218 NORTH BROAD STREET, MIDDLETOWN	1								1						1							5
	DE0046-003 - BEAR PUBLIC LIBRARY, 101 GOVERNORS PLACE, BEAR		1		1	1				1	1	1				1		1					9
	DE0046-004 - KIRKWOOD HIGHWAY PUBLIC LIBRARY, 6000 KIRKWOOD HIGHWAY, WILMINGTON	1	1	1	1	1				1	1	1		1	1	1	1			1	1	1	15
	DE0046-005 - HOCKESSIN PUBLIC LIBRARY, 1041 VALLEY ROAD, HOCKESSIN	1	1	1					1	1	1	1	1	1									11
	DE0046-006 - CLAYMONT PUBLIC LIBRARY, 3303 GREEN STREET, CLAYMONT				1	1				1	1	1	1		1								10
	DE0046-007 - BRANDYWINE HUNDRED BRANCH, 3406 CONCORD PIKE, WILMINGTON	1	1	1		1			1	1	1	1	1	1				1					13
	DE0046-008 - NEWARK FREE LIBRARY, 750 LIBRARY AVENUE, NEWARK	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1					13
	DE0046-009 - ELSMERE PUBLIC LIBRARY, 30 SPRUCE AVENUE, WILMINGTON	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1					16
	NEW CASTLE COUNTY, DE Total		12	9	8	8	11		6	13	11	11	7	8	5	7	8	7	2	7	14	6	160
SUSSEX COUNTY, DE	DE0002-002 - FRANKFORD PUBLIC LIBRARY, 8 MAIN STREET, FRANKFORD									1												1	
	DE0003-002 - GEORGETOWN PUBLIC LIBRARY, 123 WEST PINE STREET, GEORGETOWN	1	1								1	1			1		1	1				9	
	DE0009-002 - LAUREL PUBLIC LIBRARY, 101 EAST FOURTH STREET, LAUREL	1																				1	
	DE0010-002 - LEWES PUBLIC LIBRARY, 111 ADAMS AVENUE, LEWES	1								1	1											5	
	DE0011-002 - MILFORD PUBLIC LIBRARY, 11 S.E. FRONT STREET, MILFORD	1				1					1						1					4	
	DE0013-002 - MILLSBORO PUBLIC LIBRARY, 217 WEST STATE STREET, MILLSBORO	1			1						1												4
	DE0017-002 - REHOBOTH BEACH PUBLIC LIBRARY, 226 REHOBOTH AVENUE, REHOBOTH BEACH	1	1		1				1	1		1	1			1				1	1	1	11
	DE0018-002 - SEAFORD DISTRICT LIBRARY, 600 N MARKET ST EXT, SEAFORD											1	1										4
	DE0019-002 - SELBYVILLE PUBLIC LIBRARY, 11 MAIN & MCCABE STREET, SELBYVILLE									1													1
	DE0023-002 - BRIDGEVILLE PUBLIC LIBRARY, 600 SOUTH CANNON STREET, BRIDGEVILLE													1									1
	DE0028-002 - DELMAR PUBLIC LIBRARY, 101 NORTH BI-STATE BLVD, DELMAR										1												1
	DE0030-004 - MILTON PUBLIC LIBRARY, 121 UNION STREET, MILTON					1																	1
	DE0030-007 - SOUTH COASTAL LIBRARY, 43 KENT AVENUE, BETHANY BEACH	1	1		1	1			1	1	1			1		1				1	1	1	12
SUSSEX COUNTY, DE Total		7	3	2	5	1	3	7	4	3		2	2	2	2	2	2	1	4	3	2	55	
Grand Total		20	12	8	11	18	1	9	20	17	15	7	10	9	11	12	11	4	12	19	8	234	

Figure 2.
Summary Diversity File

- 3) At the end of every county listing, there is a summation of the number of libraries within the county that served a particular diversity factor (e.g., age) as well as a grand total for the county across all of the state’s diversity factors. Most states will have 20 diversity factors but a few states have fewer than 20.
- 4) Once you know the particular diversity factors for your particular library, simply return to the URL <http://www.imaplibraries.org/data.html> and below the “Summary” link for your state are URL links to download the relevant diversity data for all the libraries in your state. Refer back to Figure 1. Of course, you may just want to download the data for only the factors of relevance to your particular library.
- 5) The data format for all of the detailed diversity data tables is similar. All the block groups within a two miles radius of each particular library that qualified as being of high diversity for a particular factor are listed. The state and county Federal Information Processing Standard (FIPS) code for the state and county are listed in addition to the census tract and block group numbers. The absolute total number (e.g., total number of individuals) as well as the relative percentage breakdown within each block group is also listed. See Figure 3 below for a sample diversity index factor based on age.

LIBID: ANA - ANACOSTIA NEIGHBORHOOD LIBRARY, 1800 GOOD HOPE ROAD, SE, WASHINGTON, DC												
State	County	Tract	Block Group	Total Population	Age 0 - 5	Age 5 - 17	Age 18 - 24	Age 25-34	Age 35-49	Age 50 - 64	Age 65- 74	75 or older
11	1	7000	2	1460	35	34	596	300	221	188	61	25
				Percentages:	2.40	2.33	40.82	20.55	15.14	12.88	4.18	1.71
11	1	7301	1	3012	532	416	711	697	510	132	11	3
				Percentages:	17.66	13.81	23.61	23.14	16.93	4.38	0.37	0.10
11	1	7401	1	1484	119	475	208	195	247	167	46	27
				Percentages:	8.02	32.01	14.02	13.14	16.64	11.25	3.10	1.82
11	1	7404	2	999	82	287	133	140	199	110	32	16
				Percentages:	8.21	28.73	13.31	14.01	19.92	11.01	3.20	1.60
11	1	7404	3	388	50	105	38	57	81	53	3	1
				Percentages:	12.89	27.06	9.79	14.69	20.88	13.66	0.77	0.26
11	1	7406	2	1624	247	500	243	251	204	140	25	14
				Percentages:	15.21	30.79	14.96	15.46	12.56	8.62	1.54	0.86
11	1	7409	2	1500	202	353	165	213	278	201	47	41
				Percentages:	13.47	23.53	11.00	14.20	18.53	13.40	3.13	2.73
11	1	7409	3	1211	156	312	176	183	197	140	33	14
				Percentages:	12.88	25.76	14.53	15.11	16.27	11.56	2.73	1.16
11	1	7503	2	1685	193	420	206	264	276	212	60	54
				Percentages:	11.45	24.93	12.23	15.67	16.38	12.58	3.56	3.20

Figure 3.
Sample Detailed Diversity Table for Age

- 6) Detailed background information about the methodology used to identify and define diversity in population can be downloaded from the iMapLibraries website at the URL <http://www.imaplibraries.org/data.html> under the Background Information section. There is a URL link to a glossary at the top of the iMapLibraries homepage that will define some of the less obvious Census terms.
- 7) The intent of the iMapLibraries project is to have the diversity data displayed on maps that can be accessed over the Internet. The production of these maps will take a bit more time but at least much of the relevant data is already calculated. A sample map showing a very limited subset of the data in relation to public library outlets is available for viewing on iMapLibraries map tab, accessed at http://imaplibraries.org/gis_map.html. We should have more flexible maps with a wider range of data sets available by the beginning of 2013.