



DataLab Features and Tools for Research

Module Objectives

- Introduce DataLab
- Identify studies that are available for research using DataLab tools
- Describe features of the DataLab website
- Provide an overview of the tools available within DataLab:
 - Tables Library
 - PowerStats

Introduction to [DataLab](#) Research and Data Tools

- The Tables Library
 - Provides access to data tables that have been published in NCES reports
- PowerStats
 - Enables analysts to generate estimates from NCES micro-level datasets without accessing data at the individual case, or unit record, level
 - Eliminates the need for access to commercial statistical software packages
 - Some restricted-use data can be accessed without obtaining a restricted-use license
 - Properly accounts for NCES studies' complex sample designs, including the correct calculation of standard errors

Studies Available via DataLab

P-12

- | | |
|--|---|
| <ul style="list-style-type: none">• Students<ul style="list-style-type: none">○ Pre-Elementary Education Longitudinal Study (PEELS)○ Early Childhood Longitudinal Study, Birth Cohort (ECLS-B)○ Early Childhood Program Participation (ECPP)○ Parent and Family Involvement in Education (PFI)○ High School and Beyond (HS&B)○ National Education Longitudinal Study of 1988 (NELS:88)○ Education Longitudinal Study of 2002 (ELS:2002)○ High School Longitudinal Study of 2009 (HSLs:09) | <ul style="list-style-type: none">• Schools<ul style="list-style-type: none">○ Schools and Staffing Survey (SASS)○ School Survey on Crime and Safety (SSOCS)○ National Teacher and Principal Survey (NTPS)○ Private School Universe Survey (PSS) |
|--|---|

Studies Available via DataLab (Continued)

Postsecondary, Students and Faculty

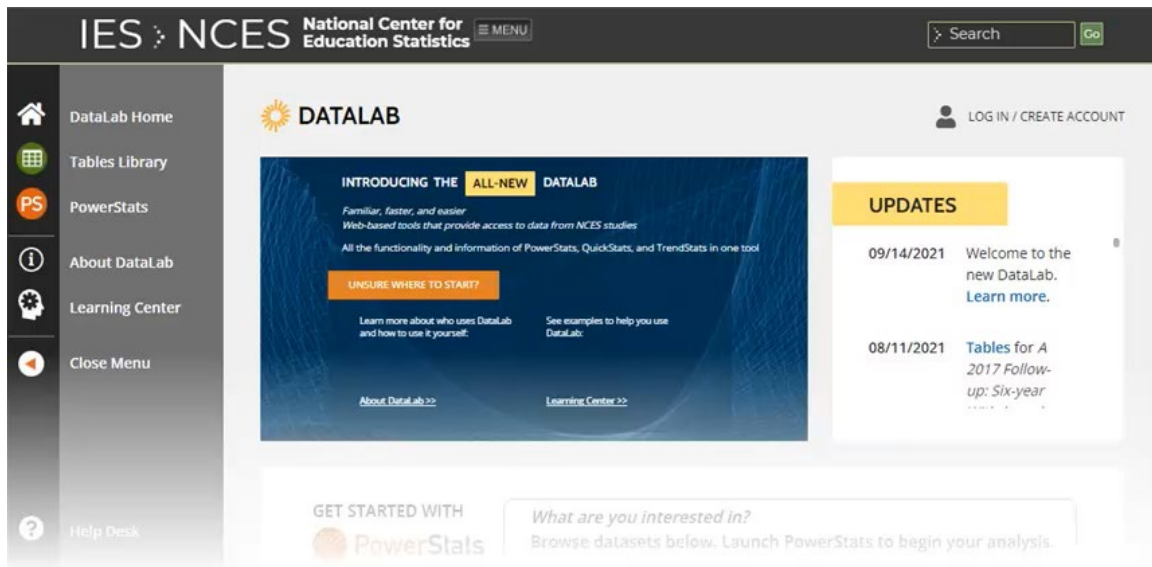
- National Postsecondary Student Aid Study (NPSAS)
- Beginning Postsecondary Students Longitudinal Study (BPS)
- Baccalaureate and Beyond Longitudinal Study (B&B)
- National Study of Postsecondary Faculty (NSOPF)

Adult Education

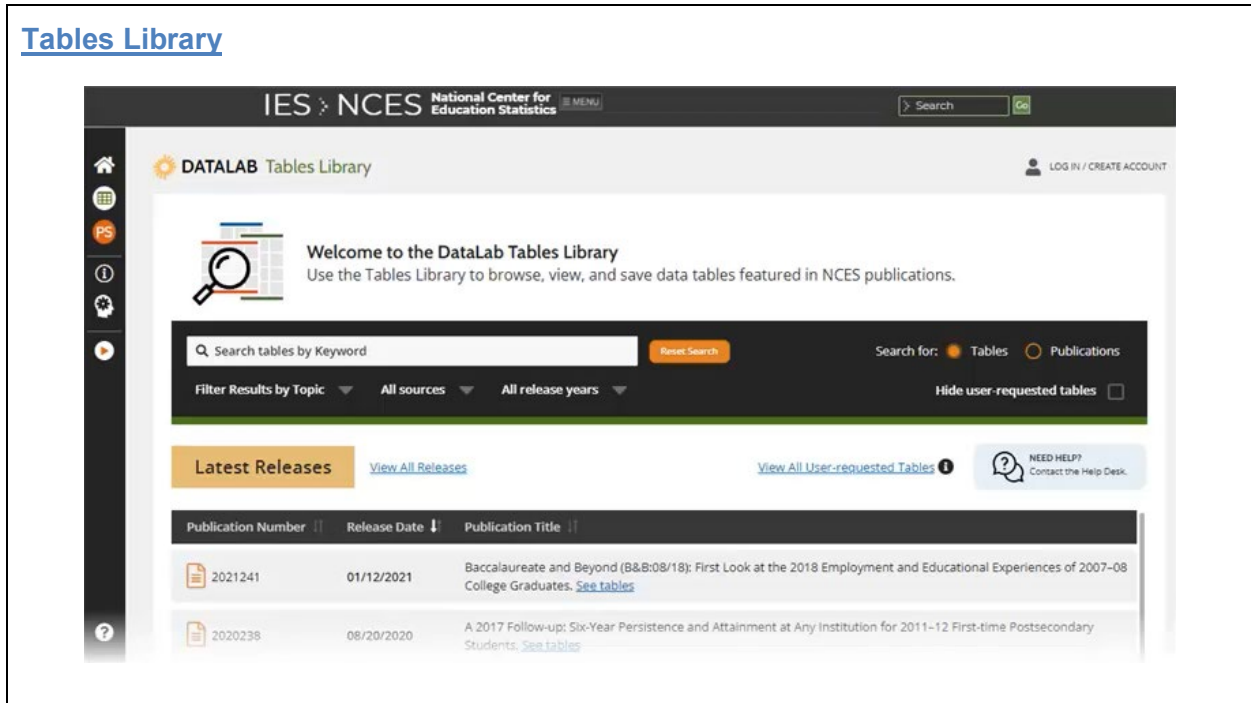
- Adult Training and Education Survey (ATES)

Features of DataLab Homepage

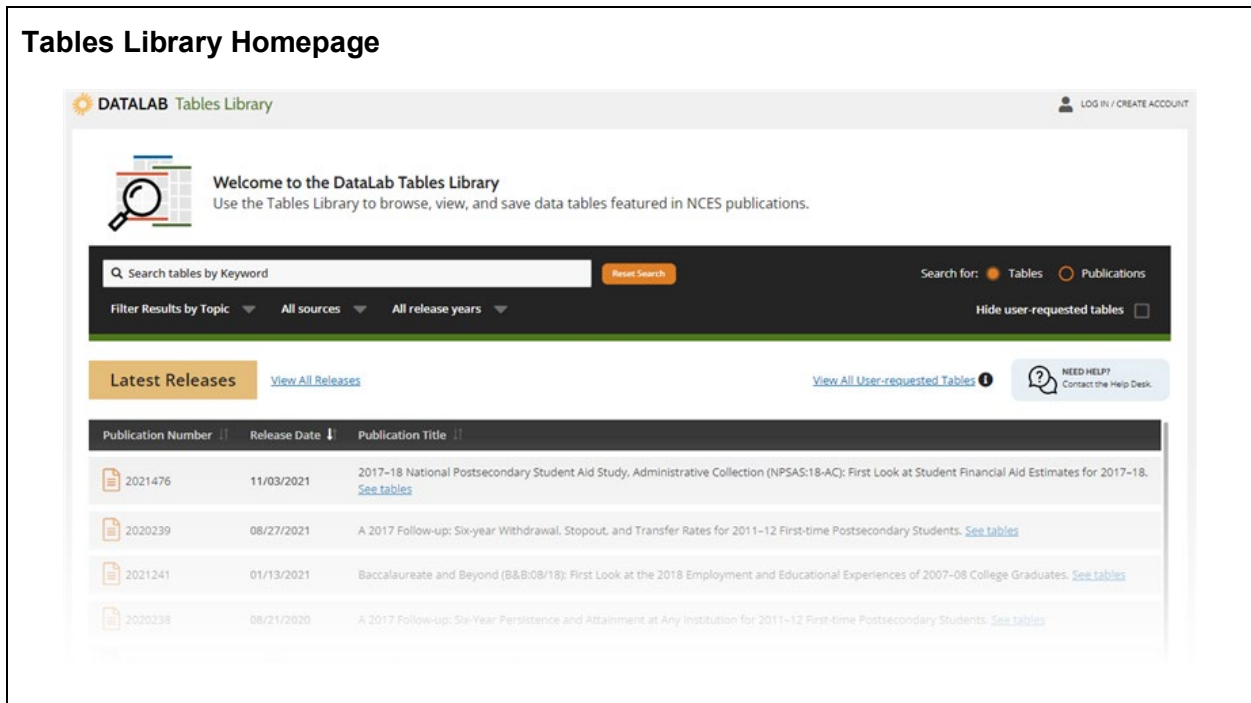
[The Learning Center](#)



Tables Library



Tables Library Homepage



Tables Library: Search by Keyword

The screenshot shows the DataLab Tables Library interface. At the top, there is a search bar with the text 'Debt' and a 'Reset Search' button. To the right, there are radio buttons for 'Tables' (selected) and 'Publications'. Below the search bar, there are filter options: 'Filter Results by Topic', 'All sources', and 'All release years'. A checkbox for 'Hide user-requested tables' is also present.

The search results show '1,612 Tables Found'. Below this, there is a link to 'View results for all the related search terms below' and a list of related search terms: 'Aid', 'Financial aid', 'Grants', 'Loans', 'Affordability', 'Debt', 'FAFSA', 'owe', 'owed', 'repayment', 'debt burden', and 'loan'. A pagination bar shows '1-10 of 1,612 results'.

Table Number	Table Title	Data Source	Action
A-2	CUMULATIVE AMOUNT BORROWED: Percentage of 2007-08 bachelor's degree recipients who borrowed to finance their undergraduate or graduate postsecondary education and, among borrowers, amount borrowed and average monthly payment amount, by student loan source, enrollment, employment, and demographic characteristics in 2018	B&B:08/18	View
2.4-D	Among full-time/full-year 2011-12 first-time postsecondary students, the percentage who received Pell, state, institution, or merit-only grants; and among those who received each type of aid, the average amounts received in 2011-12, by selected postsecondary experiences: 2012-13	BPS:12/17	View

Tables Library: Search by Topic, Source, or Release Year

The screenshot shows the DataLab Tables Library interface with a search bar containing 'Search tables by Keyword' and a 'Reset Search' button. The search results are for 'Tables' (selected). The filter options are 'Filter Results by Topic', 'All sources', and 'All release years'. A dropdown menu is open under 'Filter Results by Topic', showing a list of topics: 'All topics', 'Pre-college Experiences' (with sub-items 'Plans and preparation for college and work' and 'Transitions to postsecondary education and work'), 'Postsecondary Institutions: General Information' (with sub-items 'Institution by Type' and 'Institutional Offerings'), 'Admissions and Enrollment' (with sub-items 'Admissions', 'Fall Enrollment', and 'Annual Enrollment'), and 'Cost of Attendance and Prices Charged' (with sub-item 'Cost of attendance (tuition, fees, and other education-related expenses)').

The search results show '1-10 of 8,488 results'. Below this, there is a table of results:

Table Number	Table Title	Data Source	Action
B&B:08/18	by control of 2007-08	B&B:08/18	View
	participation rates, by control and level	B&B:08/18	View
		B&B:08/18	View
	recipients in 2018	B&B:08/18	View

Tables Library: Search by Topic, Source, or Release Year (Continued)

The screenshot shows a search interface for 'Attainment'. A dropdown menu for 'Filter Results by Topic' is open, listing various categories with counts. The search results table shows several entries with 'View' buttons.

Table Number	Table Title	Data Source
A-2	CUMULATIVE AMOUNT BORROWED: Percentage of 2007-08 bachelor's degree recipients who borrowed to finance their undergraduate or graduate postsecondary education and, among borrowers, amount borrowed and average monthly payment amount, by student loan source, enrollment, employment, and demographic characteristics in 2018	B&B:08/18
2.4-D	Among full-time/full-year 2011-12 first-time postsecondary students, the percentage who received Pell, state, institution, or merit-only grants; and among those who received each type of aid, the average amounts received in 2011-12, by selected postsecondary experiences: 2012-17	BPS:12/17
2.4-C	Among full-time/full-year 2011-12 first-time postsecondary students, the percentage who received Pell, state, institution, or merit-only grants; and among those who received each type of aid, the average amounts received in 2011-12, by selected beginning enrollment characteristics: 2012-17	BPS:12/17

Tables Library: Search Results View

The screenshot shows search results for the term 'loan'. It displays 1,608 tables found and lists related search terms. The results table shows three entries with 'View' buttons.

1,608 Tables Found

Search term: loan [View results for all the related search terms below](#)

Related search terms: Debt X owe X owed X repayment X debt burden X loan X

Table Number	Table Title	Data Source
A-2	CUMULATIVE AMOUNT BORROWED: Percentage of 2007-08 bachelor's degree recipients who borrowed to finance their undergraduate or graduate postsecondary education and, among borrowers, amount borrowed and average monthly payment amount, by student loan source, enrollment, employment, and demographic characteristics in 2018	B&B:08/18
2.4-D	Among full-time/full-year 2011-12 first-time postsecondary students, the percentage who received Pell, state, institution, or merit-only grants; and among those who received each type of aid, the average amounts received in 2011-12, by selected postsecondary experiences: 2012-17	BPS:12/17
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Tables Library: Table View and Output Options

Estimates 👁️ 📄 ↶ Back to Search Results

Estimates
Standard Errors

NET BORROWED: Percentage of 2007–08 bachelor's degree borrowers who borrowed to finance their undergraduate or graduate education and, among borrowers, amount borrowed and average monthly payment amount, by student loan source, enrollment, employment, and demographic characteristics in 2018

Enrollment, employment, and demographic characteristics	All student loans				Federal student loans ¹				
	Percent who borrowed	Average amount borrowed ²	Median amount borrowed	Average monthly payment amount ⁴	Percent who borrowed	Average amount borrowed ²	Median amount borrowed	Average monthly payment amount ⁴	Percent who borrowed
Total	71.7	\$51,913	\$32,116	\$427	68.5	\$40,837	\$24,370	\$320	32.0

Tables Library: Search by Publication and Publication Year



Welcome to the DataLab Tables Library

Use the Tables Library to browse, view, and save data tables featured in NCES publications.

Q debt burden Reset Search Search for: Tables Publications

All release years ▾

3 Publications Found

[View All User-requested Tables](#) ⓘ

NEED HELP?
Contact the Help Desk.

Publication Number	Release Date	Publication Title
2017436	06/21/2017	The Debt Burden of Bachelor's Degree Recipients. See tables
2013155	04/08/2013	Federal Student Loan Debt Burden of Noncompleters. See tables

Tables Library: Search by Publication and Publication Year (Continued)

16 Tables Found 1 2 >

Publication (2020460): Profile of Very Low- and Low-Income Undergraduates in 2015-16 - [View Publication](#) 1-10 of 16 results

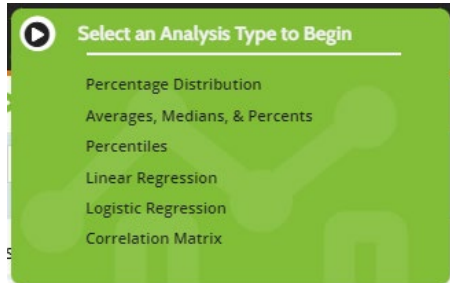
Table Number	Table Title	Data Source	
1	Federal poverty guidelines for families in the 48 contiguous U.S. states and the District of Columbia, Alaska, and Hawaii, by family size: 2014	HHS	View
2	Percentage distribution of undergraduates' family income and federal expected family contribution (EFC), by family income relative to federal poverty level: 2015-16	NPSAS:16	View
3	Percentage distribution of dependent and independent undergraduates' selected demographic characteristics, by family income relative to federal poverty level: 2015-16	NPSAS:16	View
4	Percentage distribution of dependent and independent undergraduates' selected enrollment characteristics, by family income relative to federal poverty level: 2015-16	NPSAS:16	View
5	Average total amounts of selected types of financial aid received by full-time/full-year dependent undergraduates who received any aid, by family income relative to federal poverty level and control and level of institution: 2015-16	NPSAS:16	View
6	Average total amounts of selected types of financial aid received by full-time/full-year independent undergraduates who received any aid, by family income relative to federal poverty level and control and level of institution: 2015-16	NPSAS:16	View

Introduction to DataLab Data Tools: [PowerStats](#)

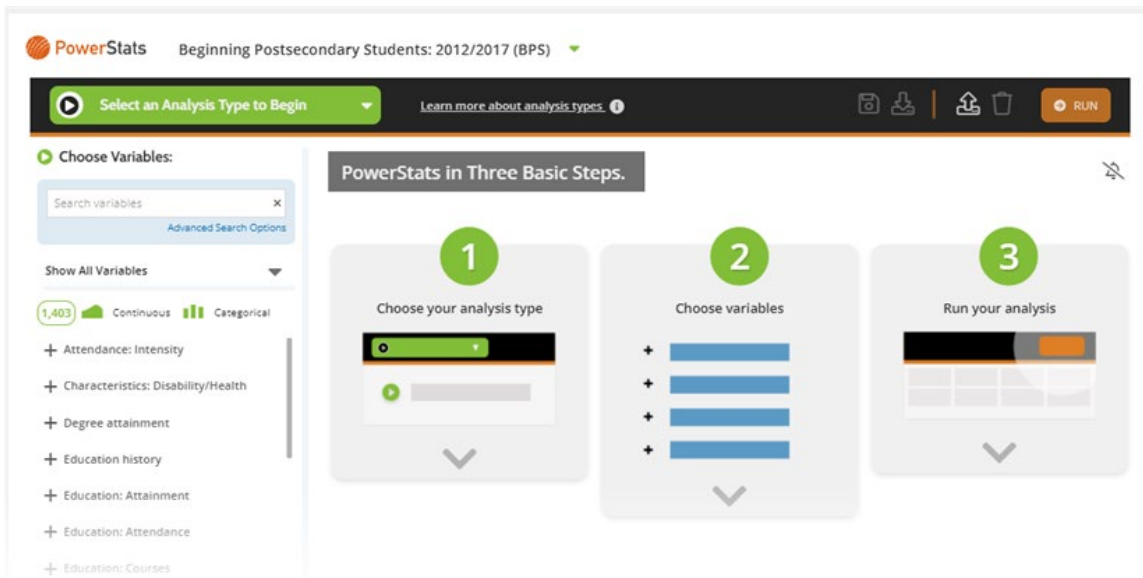
- Quick and easy to use to generate simple statistics, run more complex analyses, and produce tables, charts, and graphs
 - Percentages
 - Averages
 - Medians
 - Centiles
 - Linear regression
 - Logistic regression
 - Visual representations of data, including pie charts and bar graphs
- Can conduct trend analyses to produce averages, medians, and percentages over time
 - Choose from variables that are repeated in certain studies

Overview of PowerStats Functionality

- Enables users to run analysis and produce results from NCES micro-level data without utilizing a statistical analysis program or accessing the data at the case level
- Provides access to restricted-use data without having to acquire a restricted-use license
 - Users only see estimates and standard errors
- Features include



Create New Analyses with PowerStats



The DataLab Help Desk

Help Desk email address:

- NCES.Info@rti.org

Module Summary and Resources

Summary

- Introduced DataLab
- Identified studies that are available for research using DataLab tools
- Described features of the DataLab website
- Provided an overview of the tools available within DataLab:
 - Tables Library
 - PowerStats

Resources

- [DataLab](#)
- [The Learning Center](#)
- [Tables Library](#)
- [PowerStats](#)