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DataLab Features and Tools for Research

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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:
    - o Tables Library
    - o 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

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Studies Available via DataLab

P-12

- Students
    - 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)
- Schools
    - 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)
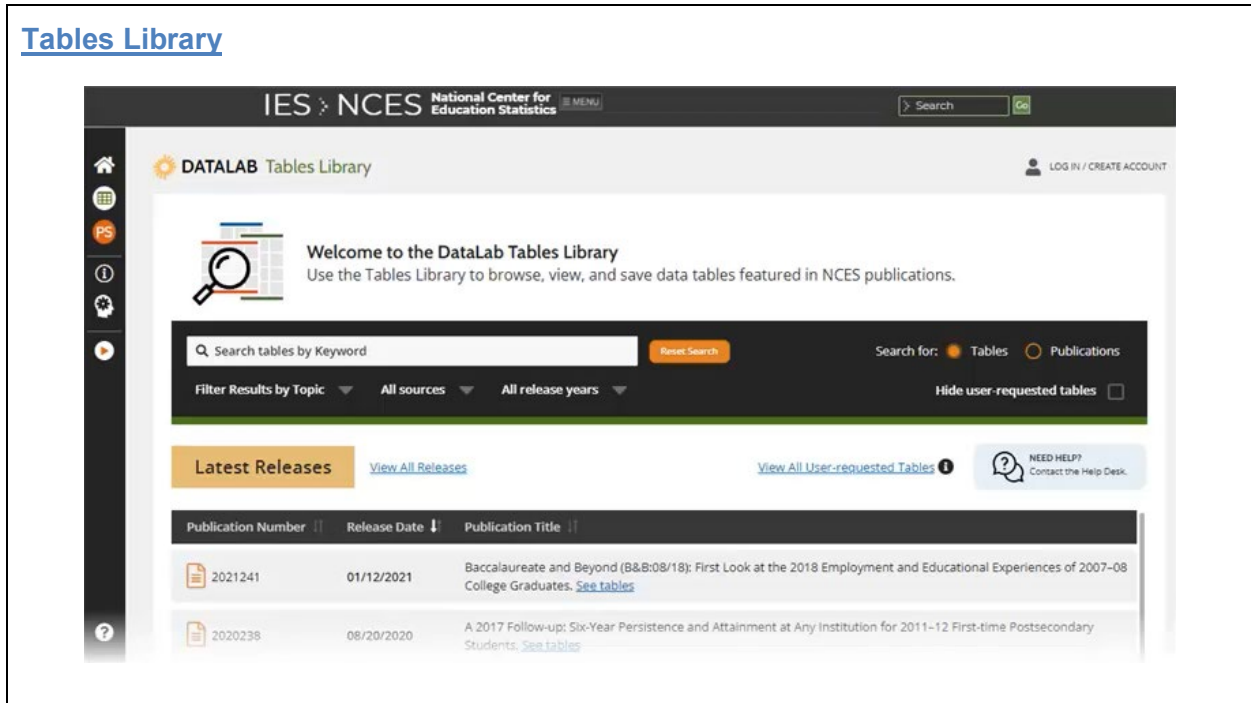
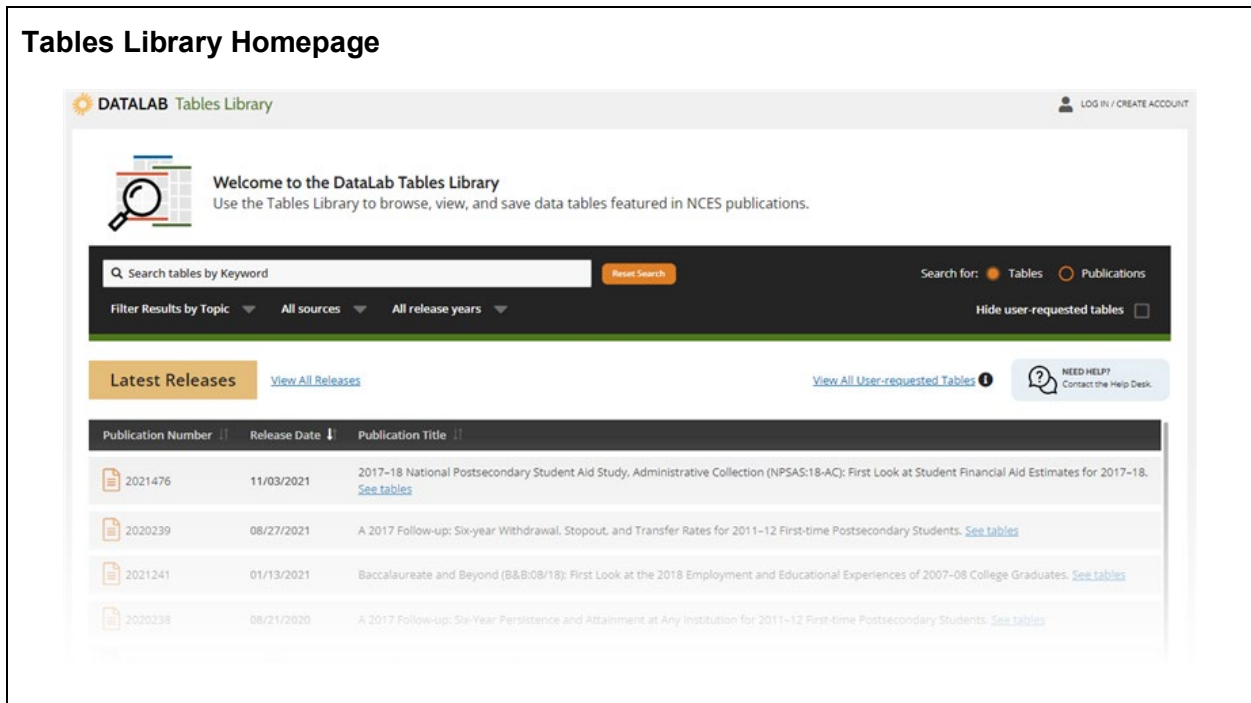Adult Education
- Adult Training and Education Survey (ATES)

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Features of DataLab Homepage

The Learning Center

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Tables Library

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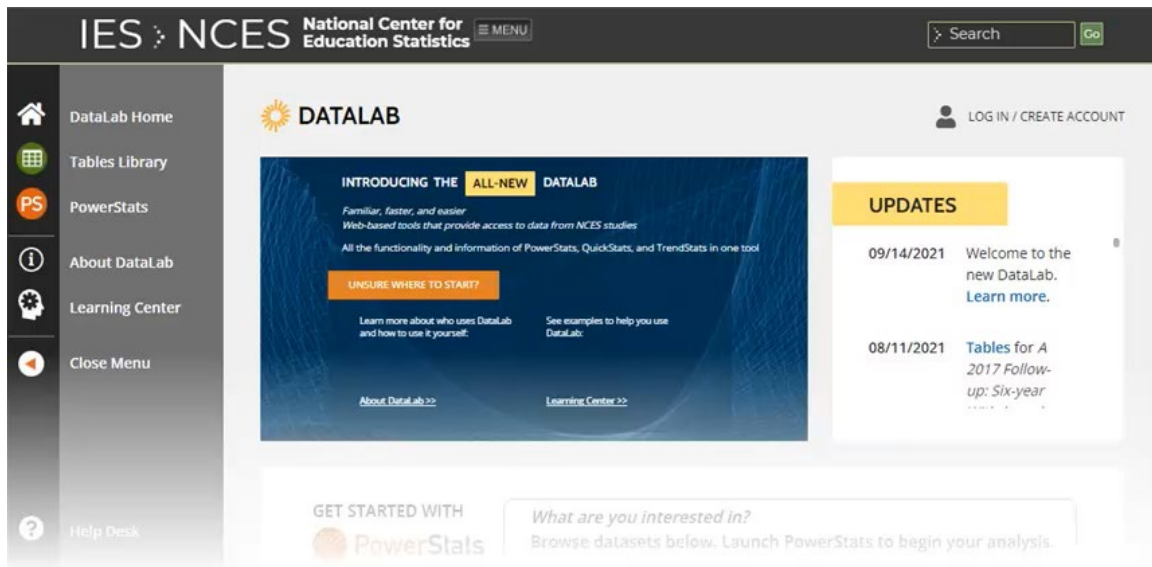
Tables Library Homepage

Tables Library: Search by Keyword

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

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

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Tables Library: Search Results View

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Tables Library: Table View and Output Options

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Tables Library: Search by Publication and Publication Year

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

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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

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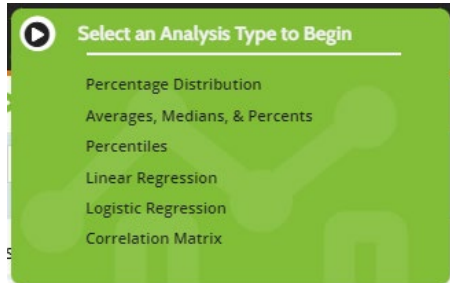
Create New Analyses with PowerStats

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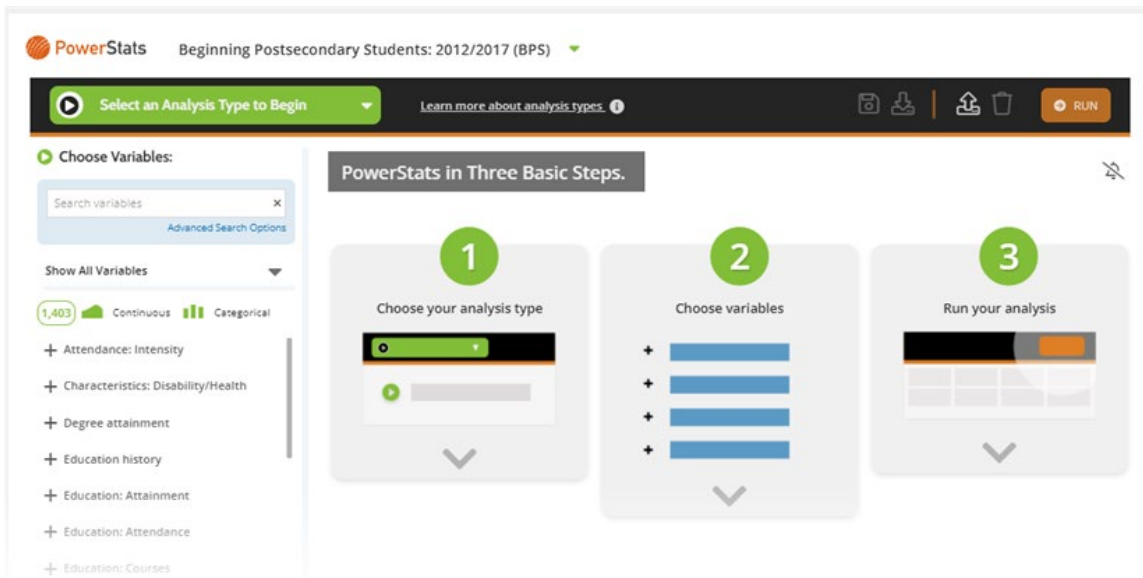
The DataLab Help Desk

Help Desk email address:

- NCES.Info@rti.org

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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
  - ▪