Data-Planet™ Statistical Ready Reference and Data-Planet™ Statistical Datasets: Use of DOIs

What are DOIs?

DOIs, or Digital Object Identifiers, are used to identify content objects in the digital environment. They provide an actionable, interoperable, persistent link of an object, which can be any entity (thing: physical, digital, or abstract). DOIs, as defined by the International DOI Foundation, are:

- **Actionable** – through use of identifier syntax and network resolution mechanism (Handle System®)
- **Persistent** – through combination of supporting improved handle infrastructure (registry database, proxy support, etc) and social infrastructure (obligations by Registration Agencies)
- **Interoperable** – through use of a data model providing semantic interoperability and grouping mechanism

DOIs mean that the same version of an article, image, dataset, graph, etc., can be retrieved at any point in future.

**Key Concepts**

- **DOI** = Digital Object Identifier
- **IDF** = International DOI Foundation, the operating and governing organization: [http://www.doi.org/](http://www.doi.org/)
- **RAs** = DOI Registration Agencies, which are members of IDF offering the system to customers who wish to assign DOI names

DOIs are structured as a unique alphanumeric string assigned to a digital object. In Data-Planet, DOIs are assigned by the CrossRef RA and each DOI is associated with a set of basic metadata and a URL pointer so that it uniquely identifies the content item and provides a persistent link to its location on the internet.

**Official Documentation**

- **DOI® Handbook** – main source of definitive information
- **Factsheets** – coverage of selected topics in detail
DOIs in Data-Planet™ Statistical Ready Reference

Each DataSheet viewed in Data-Planet Statistical Ready Reference provides a DOI or an option to "Create a DOI."

- A DOI will be present in the DataSheet if another user has already created that specific view of the specific metric and variables represented in the DataSheet.
- The option to "Create a DOI" will appear in the DataSheet if it is the first time that specific view of the data has been created. Note that this option will also appear in the case where new data has been added to the repository for the specific metric and variables represented in the DataSheet. This ensures that the DOI will retrieve the same DataSheet with the exact same data that you cite or use in a work product in some way.

Each time a DOI is used to retrieve a DataSheet created in Data-Planet Statistical Ready Reference, the viewer will have the option to update the DataSheet with new data if desired.

To understand and use DOIs in Data-Planet Statistical Ready Reference, first run a search:

From the results list, link from the indicator title to the DataSheet. (For more information on searching Data-Planet Statistical Ready Reference and DataSheets, click here.)
From the DataSheet, you can view the trend, export the data in csv or Excel, export the DataSheet itself as a pdf, or click to View in Statistical Datasets, where you can examine relationships among multiple indicators. (For more information on Data-Planet Statistical Datasets, click here.)
**Dataset: Total Expenditures from the Academic Library Statistics: United States Dataset**

Reports total expenditure for salaries and wages, information resources, and operations made during the fiscal year by academic libraries in 2- and 4-year degree-granting postsecondary institutions in the 50 United States and Washington, DC. Expenditures are reported for the nation in total and by state and institution, and include expenditures made from regular budget and all other sources (e.g., research grants, special projects, gifts and endowments, and fees for services). Expenditures paid from the library budget but identifiable in other parts of the institution’s budget are also included here.

The Academic Library Statistics dataset summarizes services, staff, collections, and expenditures of academic libraries in 2- and 4-year degree-granting postsecondary institutions in the 50 United States and Washington, DC. The data were collected through the Academic Libraries Survey (ALS), a voluntary survey of approximately 3,700 degree-granting postsecondary institutions conducted biennially by the National Center for Education Statistics (NCES) as part of its Library Statistics Program. An academic library is the library associated with a degree-granting institution of higher education and is identified by the postsecondary institution of which it is a part. An academic library is defined as providing: an organized collection of printed or other materials or a combination thereof; a staff trained to provide and interpret such materials as required to meet the informational, cultural, recreational, or educational needs of clientele; an established schedule in which services of the staff are available to clientele; and the physical facilities necessary to support such a collection, staff, and schedule. The data are intended to provide an overview of academic libraries nationwide and by state in order to enable the US to plan effectively for the development and use of postsecondary education library resources. NCES surveyed academic libraries on a three-year cycle between 1996 and 1998. Between 1998 and 1999, the ALS was a component of the Integrated Postsecondary Education Data System (IPEDS) and was collected on a two-year cycle. Beginning with Fiscal Year 2000, the Academic Libraries Survey is no longer a component of IPEDS, but remains on a two-year cycle.

Library circulation, interlibrary loans, operating expenditures, and library collections data are for fiscal year, defined as any 12-month period between June 1 and September 30 that corresponds to the institution’s fiscal year. Library staff data are for fall of a given year, and other library services data are for a typical week in the fall of a given year. See the technical documentation available by survey year at http://nces.ed.gov/surveys/libraries/aca_data.asp for detail on data collection and processing; data editing and imputation methodology; and crosswalks of data items and variables between survey years.

**Citation:**


**Technical Documentation**

doi:10.6668/DP14B4C6D827F26

This DOI was originally created 02/02/2015. Click here to see the latest version of the DataSheet.
The DataSheet contains a citation and in the citation you'll see an option to "Create a DOI."

The DOI ensures that each time you reference the data in a paper or elsewhere that the reader can view the exact view of the DataSheet at the time you created it. The resulting link also provides an opportunity to update the DataSheet with new data where available.
DOIs in Data-Planet Statistical Datasets

First select the indicator(s), variables, and chart, map, graph, or ranking that you wish to save for viewing later, citing in your research, or including in your work product. (For more information on searching and manipulating the data in Data-Planet Statistical Datasets, click here.) Below is a trend showing household median income in Tennessee:

![Graph showing household median income in Tennessee](image)

Notice that below the infographic on the right, there is an active link labeled "Create Link (DOI)". Click to generate a DOI. (If a DOI has already been created for this particular view, an actual DOI will display rather than "Create Link (DOI)"). After you Create the DOI, the statistical abstract that appears below the infographic is updated to display the DOI in the same spot where "Create Link (DOI)" had appeared. This link can be copy and pasted into your work product, an email, etc. Using this link ensures that the person you provide it to will see the same view of the data that you selected.

The DOI also appears in the citation of the view - you should always include the DOI when you cite this view in your papers.
If you elect to export the infographic and the statistical abstract to a pdf, using the Export option on the menu bar above the chart, the DOI will also be included in the pdf, with the date that it was created and an option to refresh the view/data with more recent data:

Citation:

doi:10.6068/DP14B4C85DDA530

This DOI was originally created 02/02/2015. Click [here](#) to view/download latest data