



Data Explorer Walkthrough

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Data Explorer

Show me variables that match:

[+Filter Results](#)

Show me variables that match

R&D Funding Received and Spent ✕

This walkthrough will show you data and features available in the Data Explorer

Surveys

[Higher Education R&D \(HERD\)](#)
[Science and Engineering Research Facilities](#)

Topics

[Remove topic filter](#)

[R&D Funding Received and Spent](#)
[R&D Funding Source](#)
[Type of R&D Funding Agreement](#)
[R&D Cost Type](#)

Surveys Variables

Higher Education Research and Development Survey ⓘ

Survey Type:

Census

Frequency:

Annual

Response Unit:

Academic Institutions

Population Size:

916

Builder



Key Topics:

Type of R&D Funding Agreement

R&D Funding Source

R&D Funding Received and Spent

R&D Cost Type

Type of R&D Activity

Survey Cycle and Other Technical

R&D Personnel at Colleges and Universities

Location

[More](#)

Survey of Science and Engineering Research Facilities ⓘ

Survey Type:

Census

Frequency:

Biennial

Response Unit:

Academic Institutions

Population Size:

591

Builder



Key Topics:

R&D Funding Source

Survey Cycle and Other Technical

Repairs and Renovation of R&D Facilities

New Construction of R&D Facilities

Location

Institution Name

Institution Characteristics

Fields of Study

[More](#)



Data Explorer Walkthrough

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Once you have entered a search term via icons on the landing page, typing in the search bar or topics shown in the left rail, the search term will appear

Show me variables that match

R&D Funding Received and Spent ✕

[+Filter Results](#)

Surveys and variables panel

Search Term →

Surveys

Higher Education R&D (HERD)
Science and Engineering Research
Facilities

Topics

Remove topic filter
R&D Funding Received and Spent
R&D Funding Source
Type of R&D Funding Agreement
R&D Cost Type

Left Rail →

Data Explorer

Show me variables that match:

Show me variables that match

R&D Funding Received and Spent ✕

[+Filter Results](#)

Filter Results ←

Surveys

Higher Education R&D (HERD)
Science and Engineering Research
Facilities

Topics

Remove topic filter
R&D Funding Received and Spent
R&D Funding Source
Type of R&D Funding Agreement
R&D Cost Type

Surveys

Variables

Higher Education Research and Development Survey ⓘ

Survey Type:

Census

Frequency:

Annual

Response Unit:

Academic Institutions

Population Size:

916

Builder



Key Topics:

Type of R&D Funding Agreement

R&D Funding Source

R&D Funding Received and Spent

R&D Cost Type

Type of R&D Activity

Survey Cycle and Other Technical

R&D Personnel at Colleges and Universities

Location

More

Survey of Science and Engineering Research Facilities ⓘ

Survey Type:

Census

Frequency:

Biennial

Response Unit:

Academic Institutions

Population Size:

591

Builder



Key Topics:



Data Explorer Walkthrough

Surveys and Variables Panel

Data Explorer

Show me variables that match:

Matching results from your search will be shown in the surveys and variables panel

+Filter Results

Show me variables that match

R&D Funding Received and Spent

You can click on the surveys and/or variables tab to see specific surveys and/or variables matching your search term

Export survey and variable summaries

Surveys

Variables

Higher Education Research and Development Survey

Survey Type:

Census

Frequency:

Annual

Response Unit:

Academic Institutions

Population Size:

916

Builder



Key Topics:

Type of R&D Funding Agreement

R&D Funding Source

R&D Funding Received and Spent

R&D Cost Type

Type of R&D Activity

Survey Cycle and Other Technical

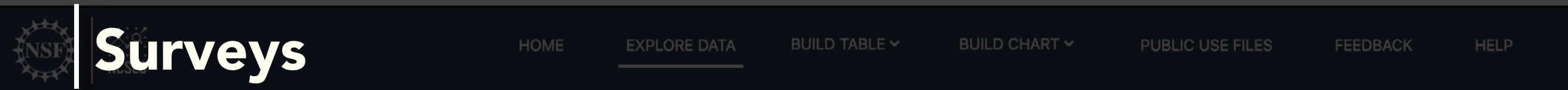
R&D Personnel at Colleges and Universities

Location

More



Data Explorer Walkthrough



Data Explorer

Show me variables that match:

[+Filter Results](#)

Show me variables that match

R&D Funding Received and Spent

Click info icon for survey description

Surveys tab

Click survey name for survey details

Surveys

Variables

Higher Education Research and Development Survey

Survey Type: Census

Frequency: Annual

Response Unit: Academic Institutions

Population Size: 916

Builder

Key Topics:

Type of R&D Funding Agreement

R&D Funding Source

R&D Funding Received and Spent

R&D Cost Type

Type of R&D Activity

Survey Cycle and Other Technical

R&D Personnel at Colleges and Universities

Location

More

The search results highlight the key topics in blue

Build a chart or table



Data Explorer Walkthrough



Surveys

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This is a survey details panel

Show me variables that match:

[+Filter Results](#)

Show

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Data Explorer

Show me variables that match:

Show me variables that match

R&D Funding Received and Spent ✕

Surveys

[Higher Education R&D \(HERD\)](#)
[Science and Engineering Research Facilities](#)

Topics

[Remove topic filter](#)

R&D Funding Received and Spent

[R&D Funding Received and Spent](#)

[R&D Funding Source](#)

[Type of R&D Funding Agreement](#)

[R&D Cost Type](#)

Surveys

Variables

[Higher Education Research and Development Survey](#)

Survey Type:

Census

Frequency:

Annual

Key Topics:

[Type of R&D Funding Agreement](#)

[Survey Cycle and Other Technical](#)

[Survey of Science and Engineering Research](#)

Survey Type:

Census

Frequency:

Biennial

Key Topics:

[R&D Funding Source](#)

[Survey Cycle](#)

[Institution Name](#)

[Institution Character](#)

Survey Details



Questionnaire

[Higher Education Research and Development Survey](#)

Survey Description

The Higher Education Research and Development (HERD) Survey is the primary source of information on separately accounted for R&D expenditures within higher education institutions in the United States and outlying areas.

Survey Measures

Headcounts for Institutions with Over \$1M R&D Expenditures

R&D Expenditures for All Institutions

R&D Expenditures for Institutions With Over \$1M

Years Collected

2010-2019

Dimensions Available

Broad Field
Conducts Clinical Trials
Detailed Field
Detailed Source of Funds
Detailed Source of Funds (Passthrough)
Doctorate Granting
Federal Agency
Federal and Nonfederal

Data Table Builder

Public Use Files

Chart Builder

Table Builder

Builder



[Location](#)



Data Explorer Walkthrough



Variables

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Data Explorer

Show me variables that match:






Variables tab

[+Filter Results](#)

Show me variables that match

R&D Funding Received and Sent

You can find more detailed information by clicking on variable name

Surveys Variables					
Previous 1 Next					
Name	Measure(s)	Unit	Years	Survey	Builder
R&D Expenditures for Medical Projects ⓘ	<i>is a measure of R&D Expenditures for Institutions With Over \$1M</i>	Dollars	2010-2019	HERD	 
Total R&D Expenditures by Broad Field and Federal and Nonfederal Sources ⓘ	<i>is a measure of R&D Expenditures for All Institutions</i>	Dollars	2010-2019	HERD	 
Type of Costs (Direct or Indirect) ⓘ	<i>R&D Expenditures for Institutions With Over \$1M</i>	Dollars	2010-2019	HERD	

[R&D Funding Source](#) [Survey Cycle and Other Technical](#) [Repairs and Renovation of R&D Facilities](#) [New Construction of R&D Facilities](#) [Location](#)
[Institution Name](#) [Institution Characteristics](#) [Fields of Study](#) [More](#)

Build a chart or table



Data Explorer Walkthrough



Variables

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Data Explorer

Show me variables that match:

[+Filter Results](#)[Surveys](#)[Variables](#)

Variable Details

**Name**[R&D Expenditures for Medical Projects](#) ⓘ[Total R&D Expenditures by Broad Field and Federal and Nonfederal Sources](#) ⓘ[Type of Costs \(Direct or Indirect\)](#) ⓘ[Type of Funding Agreement \(Contracts or Grants\)](#) ⓘ[Detailed Source of Funds for Costs Related to Repairs and Construction](#) ⓘ[R&D Expenditures by Type of Funding Agreement \(Contracts and Grants\)](#) ⓘ

*is a measure of /
With Over \$1M*

*is a measure of /
Institutions*

R&D Expenditure

R&D Expenditure

Completion Cost

*is a measure of /
With Over \$1M*

Measure

R&D Expenditures for Medical Projects

Questionnaire

[Higher Education Research and Development Survey](#)

Survey Description

The Higher Education Research and Development (HERD) Survey is the primary source of information on separately accounted for R&D expenditures within higher education institutions in the United States and outlying areas.

Measure Description

R&D dollars expended from projects that are assigned to an institution's medical school or to research

Other Survey Measures

Headcounts for Institutions with Over \$1M R&D Expenditures
R&D Expenditures for All Institutions

Years Available

2010-2019

Question

Question 4

Topics

R&D Funding Received and Spent
R&D Funding Received and Spent

[Public Use Files](#)[Chart Builder](#)[Table Builder](#)**Builder**[Location](#)



Data Explorer Walkthrough



Left Rail

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Data Explorer

Show me variables that match:

Show me variables that match

R&D Funding Received and Spent

[HOME](#)[EXPLORE DATA](#)[BUILD TABLE ▾](#)[BUILD CHART ▾](#)[PUBLIC USE FILES](#)

Data Explorer

Show me variables that match:

Show me variables that match

R&D Funding Received and Spent

[+Filter Results](#)[Surveys](#)[Variables](#)

Surveys

Higher Education R&D (HERD)
Science and Engineering Research
Facilities

Topics

Remove topic filter

R&D Funding Received and Spent
R&D Funding Received and Spent
R&D Funding Source
Type of R&D Funding Agreement
R&D Cost Type

Higher Education Research and Development Survey ⓘ

Survey Type:	Frequency:	Response Unit:	Population Size:
Census	Annual	Academic Institutions	916

Key Topics:

Type of R&D Funding Agreement	R&D Funding Source	R&D Funding Received and Spent	R&D Cost Type
Survey Cycle and Other Technical	R&D Personnel at Colleges and Universities	Location	More

Survey of Science and Engineering Research Facilities ⓘ

Survey Type:	Frequency:	Response Unit:	Population Size:
Census	Biennial	Academic Institutions	591

Key Topics:

R&D Funding Source	Survey Cycle and Other Technical	Repairs and Renovation of R&D Facilities	New Construction
Institution Name	Institution Characteristics	Fields of Study	More

If you click on a specific survey, your search results are narrowed

Clicking on the topics will replace the search term, instead of refining the current search



Data Explorer Walkthrough



Filter Results

[HOME](#)[EXPLORE DATA](#)[BUILD TABLE ▾](#)[BUILD CHART ▾](#)[PUBLIC USE FILES](#)[FEEDBACK](#)[HELP](#)

Data Explorer

Show me variables that match:

[+Filter Results](#)

Filter search results in the Data Explorer to find datasets that support combining variables of interest together in a single table or chart.

As the first step, perform a search.

Show me variables that match

R&D Funding Received and Spent ✕

Variables panel

Surveys

[Higher Education R&D \(HERD\)](#)
[Science and Engineering Research Facilities](#)

Topics

[Remove topic filter](#)

[R&D Funding Received and Spent](#)
[R&D Funding Received and Spent](#)
[R&D Funding Source](#)
[Type of R&D Funding Agreement](#)
[R&D Cost Type](#)

[HOME](#) [EXPLORE DATA](#) [BUILD TABLE ▾](#) [BUILD CHART ▾](#) [PUBLIC USE FILES](#) [FEEDBACK](#) [HELP](#)

Data Explorer

Show me variables that match:

[+Filter Results](#)

Show me variables that match

new construction cost in All Results ✕

[Surveys](#) [Variables](#)

Surveys

[Federal S&E Support to Institutions](#)
[Science and Engineering Research Facilities](#)
[IPEDS Completions](#)
[IPEDS Enrollment](#)

Topics

[R&D Facilities](#)
[New Construction of R&D Facilities](#)
[Colleges and Universities](#)
[Institution Name](#)
[Institution Characteristics](#)

Name	Measure(s)	Unit	Years	Survey	Builder
Estimated Cost of Deferred New Construction ⓘ	is a measure of Estimated Cost	Dollars	2007-2019	FAC	
Estimated Completion Cost of Planned New Construction ⓘ	is a measure of Estimated Completion Cost	Dollars	2007-2019	FAC	
Estimated Cost of Deferred New Construction for Medical Schools ⓘ	is a measure of Estimated Cost	Dollars	2007-2019	FAC	



Data Explorer Walkthrough



Filter Results

[HOME](#)[EXPLORE DATA](#)[BUILD TABLE](#)[BUILD CHART](#)[PUBLIC USE FILES](#)[FEEDBACK](#)[HELP](#)

Data Explorer

Show me variables that match:

Show me variables that match:

Surveys

Higher Education R&D (HERD)
Science and Engineering Research
Facilities

Topics

Remove topic filter

R&D Funding Received and Spent
R&D Funding Received and Spent
R&D Funding Source
Type of R&D Funding Agreement
R&D Cost Type

The second step is clicking on the 'Filter Results' and then select a topic.

The screenshot shows the Data Explorer interface with the 'Filter Results' dropdown menu open. The menu lists various topics that can be compared in a table, including Survey Cycle and Other Technical, Fields of Study, Location, R&D Funding Received and Spent, R&D Funding Source, R&D Funding by Government, R&D Facilities, Colleges and Universities, Students and Education, and Demographics. The 'R&D Funding Received and Spent' topic is highlighted. The main table displays variables related to R&D funding, with columns for Name, Description, Units, and Years. The 'Filter Results' button is located at the top right of the interface.

Name	Description	Units	Years
Estimated Cost of Deferred New Construction	is a measure of Estima		
Estimated Completion Cost of Planned New Construction	is a measure of Estima		
Estimated Cost of Deferred New Construction for Medical Schools	is a measure of Estima		
Completion Cost of Current New Construction for Medical Schools	is a measure of Completion Cost	Dollars	2007-2019
Completion Cost of Current New Construction by Funding Source	is a measure of Completion Cost	Dollars	2007-2019
Estimated Completion Cost of Planned New Construction for Medical Schools	is a measure of Estimated Completion Cost	Dollars	2007-2019
Completion Cost of Current New Construction by Field of Science and Engineering	is a measure of Completion Cost	Dollars	2007-2019

Suggested
Topics



Data Explorer Walkthrough



Filter Results

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Data Explorer

Show me variables that match:

[+Filter Results](#)[HOME](#)[EXPLORE DATA](#)[BUILD TABLE ▾](#)[BUILD CHART ▾](#)[PUBLIC USE FILES](#)[FEEDBACK](#)[HELP](#)

Data Explorer

Show me variables that match:

[+Filter Results](#)

Show me variables that match

new construction cost in All Results ✕

and can be compared in a table to

R&D Funding Source in R&D Funding Received and Spent ✕

[Surveys](#)[Variables](#)

Surveys

Science and Engineering Research Facilities

Topics

[R&D Facilities](#)

[New Construction of R&D Facilities](#)

[Previous](#)

Name	Measure(s)	Unit	Years	Survey
Completion Cost of Current New Construction by Funding Source ⓘ	<i>is a measure of Completion Cost</i>	Dollars	2007-2019	FAC

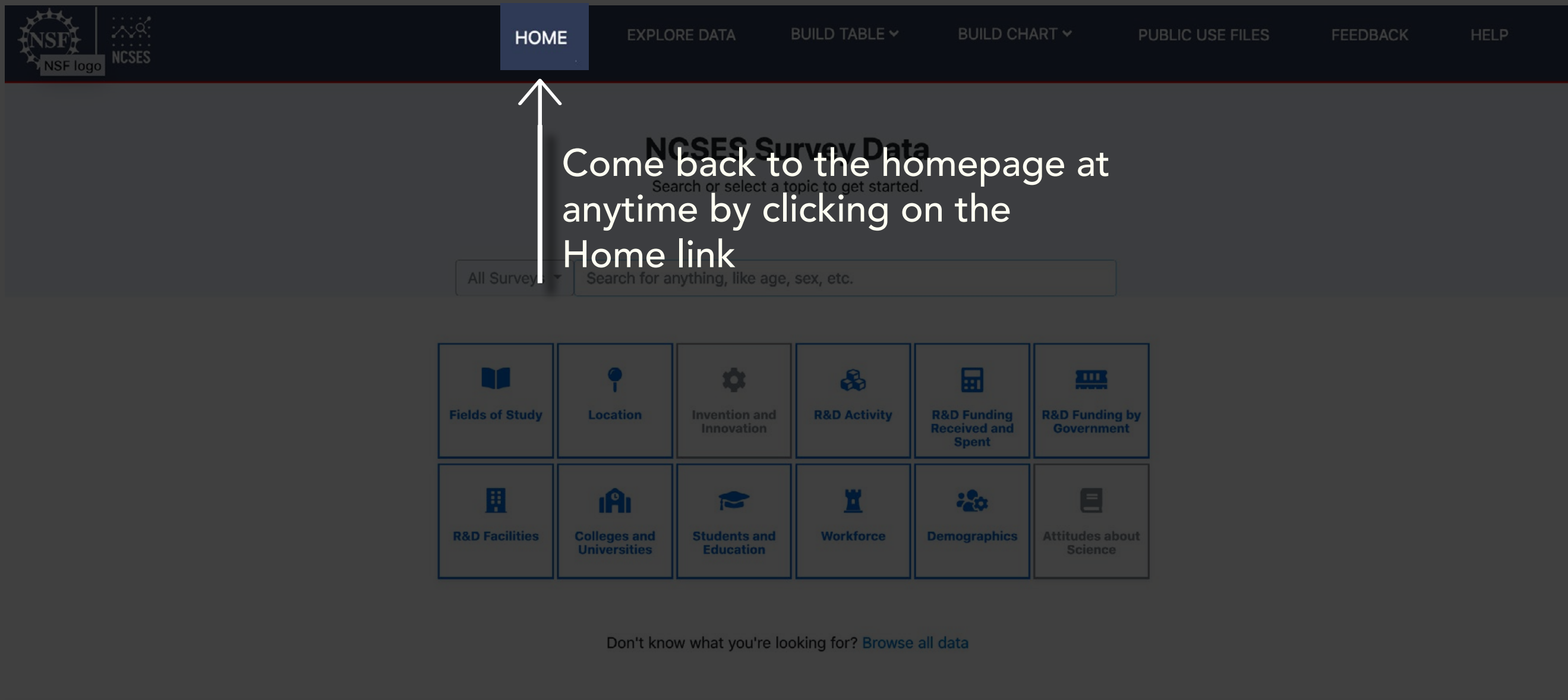
[Previous](#)

Key Topics:

[R&D Funding Source](#)[Survey Cycle and Other Technical](#)[Repairs and Renovation of R&D Facilities](#)[New Construction of R&D Facilities](#)[Location](#)[Institution Name](#)[Institution Characteristics](#)[Fields of Study](#)[More](#)



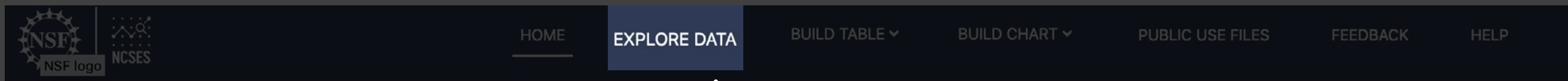
Data Explorer Walkthrough



What can you do here?



Data Explorer Walkthrough

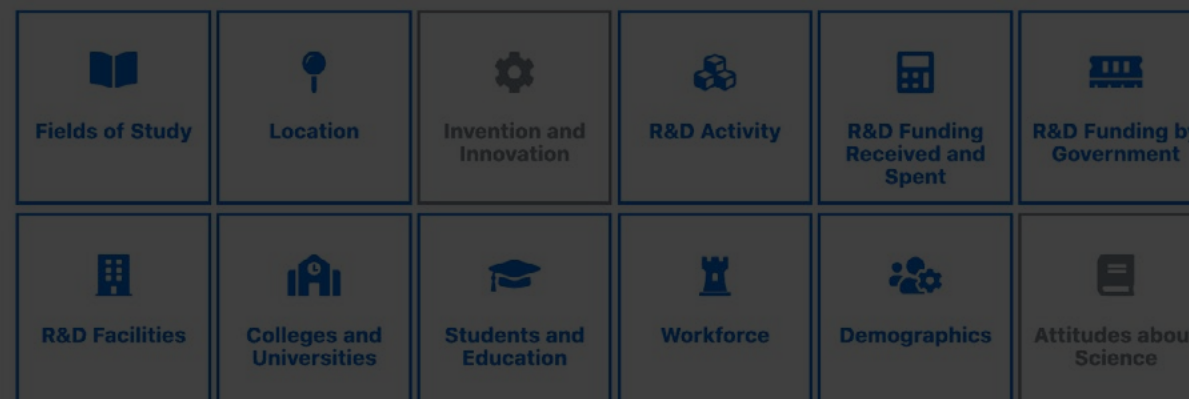


This will take you
to the Data Explorer

NCSES Survey Data

or select a topic to get started.

All Surveys ▾ Search for anything, like age, sex, etc.

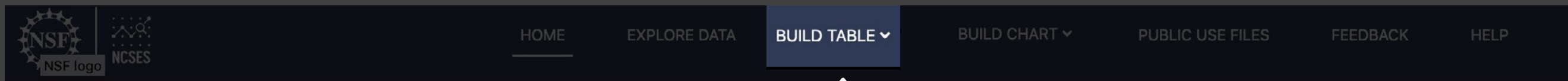


Don't know what you're looking for? [Browse all data](#)

What can you do here?



Data Explorer Walkthrough



You can build a survey table by clicking here



NCSES Survey Data
Search or select a topic to get started.

All Surveys ▾ Search for anything, like age, sex, etc.

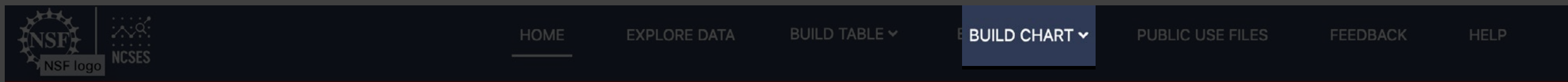
 Fields of Study	 Location	 Invention and Innovation	 R&D Activity	 R&D Funding Received and Spent	 R&D Funding by Government
 R&D Facilities	 Colleges and Universities	 Students and Education	 Workforce	 Demographics	 Attitudes about Science

Don't know what you're looking for? [Browse all data](#)

What can you do here?















Data Explorer Walkthrough



NCSES Survey Data
You can build a survey
chart by clicking here

All Surveys ▾ Search for anything, like age, sex, etc.

 Fields of Study	 Location	 Invention and Innovation	 R&D Activity	 R&D Funding Received and Spent	 R&D Funding by Government
 R&D Facilities	 Colleges and Universities	 Students and Education	 Workforce	 Demographics	 Attitudes about Science

Don't know what you're looking for? [Browse all data](#)

What can you do here?



Data Explorer Walkthrough



NCSES Survey Data

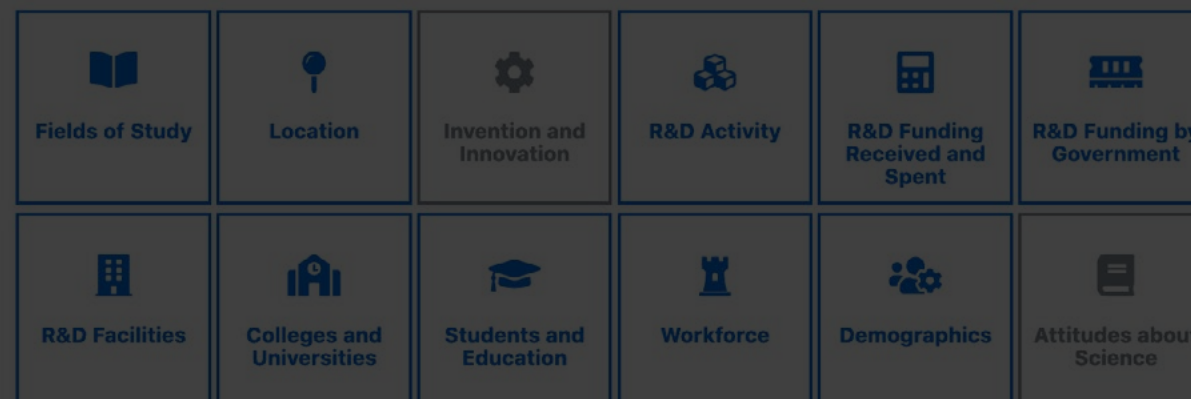
Search or select a topic to get started.

This will take you to the
NCSES Public Use Files page



All Surveys ▾

Search for anything, like age, sex, etc.



Don't know what you're looking for? [Browse all data](#)

What can you do here?



Data Explorer Walkthrough

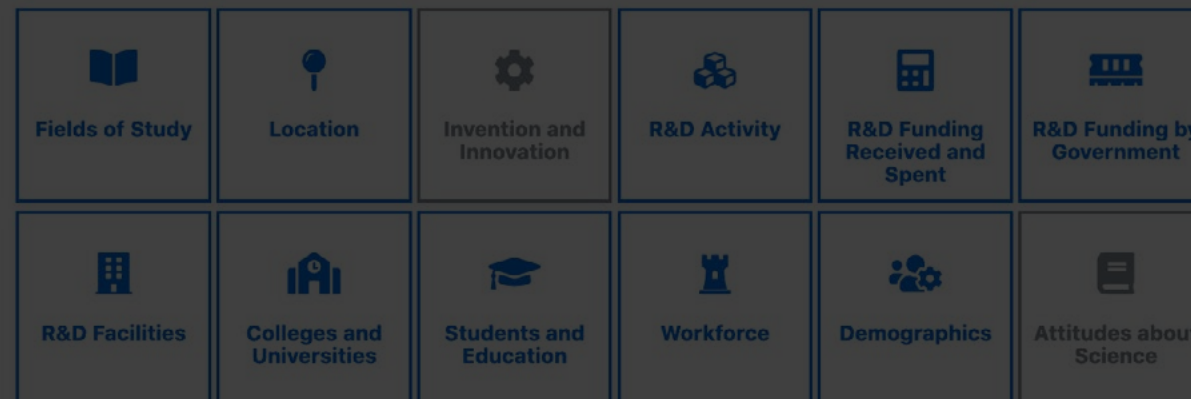


NCSES Survey Data

Search or select from our list of data sets

All Surveys ▾

Search for anything, like age, sex, or...



Don't know what you're looking for? [Browse all data](#)

What can you do here?

Leave a comment, ask a question,
report a bug or issue, contact our
office, or join the NCSES Web User
Community listserv



Data Explorer Walkthrough



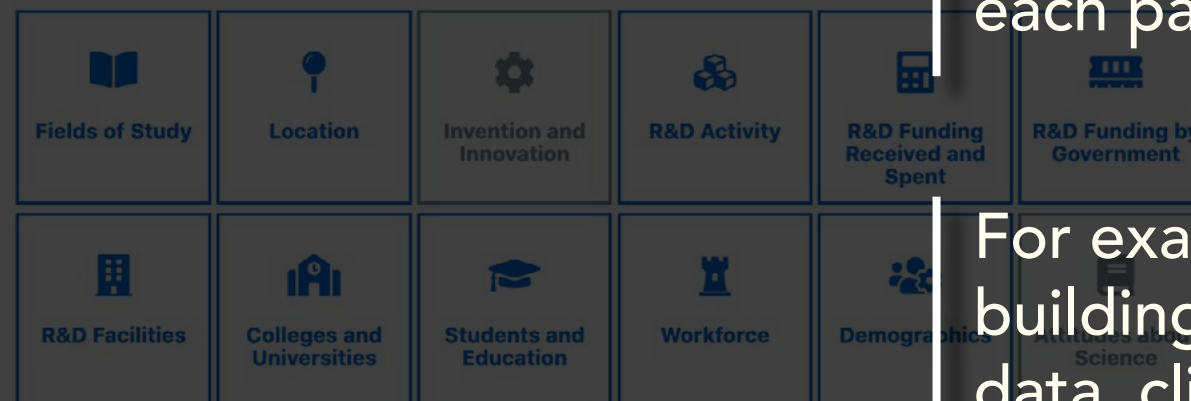
NCSES Survey Data

Search or select a topic to get started.

Access help

All Surveys ▾

Search for anything, like age, sex, etc.



Don't know what you're looking for? [Browse all data](#)

Help is different on each page

For example, when you are building a table or exploring data, clicking on help will provide walkthroughs for each page

What can you do here?



Data Explorer Walkthrough



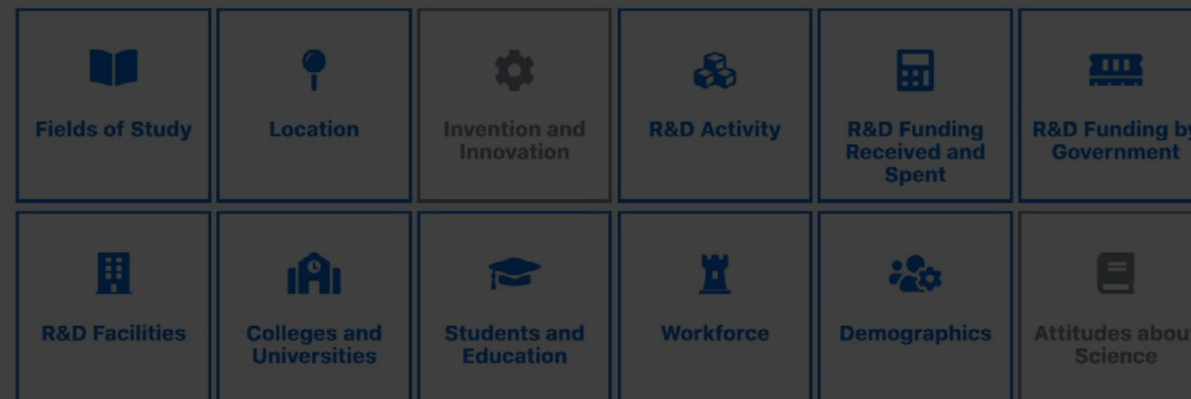
You can click on the NCSES logo to return to the NCSES website

NCSES Survey Data

Search or select a topic to get started.

All Surveys ▾

Search for anything, like age, sex, etc.



Don't know what you're looking for? [Browse all data](#)

What can you do here?