



PowerStats

LEARN BY DOING: Creating a Table

Need help?
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<http://nces.ed.gov/datalab>

THE TABLE YOU'LL CREATE

This tutorial will guide you through the steps taken to create the table shown below.

Gender by Attendance pattern and Age as of 12/31/07.

	Male (%)	Female (%)	Total
Estimates			
Total	43.0	57.0	100%
Attendance pattern			
Full-time	43.8	56.2	100%
Part-time	42.1	57.9	100%
Age as of 12/31/07			
24 or younger	45.4	54.6	100%
25 or older	39.0	61.0	100%

The names of the variables used in this table are: AGE, GENDER and ATTNSTAT. The variable names are unique identifiers. To locate these variables, enter the variable name in the search box.

The weight variable used in this table is WTA000.

Source: U.S. Department of Education, National Center for Education Statistics, 2007-08 National Postsecondary Student Aid Study (NPSAS:08).

Computation by NCES PowerStats on 10/23/2015.

BASIC STEPS REQUIRED TO CREATE A TABLE

1. Choose a group of students (dataset).
2. Choose a type of table.
3. Select a column variable.
4. Select one or more row variables.
5. Run your table.

1. CHOOSE A GROUP OF STUDENTS (DATASET)

INSTRUCTIONS

1. Drag *All undergraduates* to the Group box.

The Group box is updated with your selection.

Information about the dataset and the option to select it appear in the Work Space.

2. Click *Select* in the box labeled “were undergraduate students when interviewed in 2008.”

TIP

Use the *QuickSelect by dataset name* option if you are familiar with NCES postsecondary studies.

The screenshot shows the PowerStats interface. On the left is the 'GROUP' sidebar with a 'QuickSelect by dataset name' dropdown. Under 'POSTSECONDARY', the 'Students' category is expanded, and 'All undergraduates' is selected and highlighted with a red box. On the right is the 'WORK SPACE' with a 'Group' box containing 'All undergraduates', also highlighted with a red box. Below this is a table with three columns representing different interview years: 2012, 2008, and 2004. The 2008 column is highlighted with a red box. Each column contains details about the dataset, including an 'Includes' list, 'Approximate number of respondents', 'Study name', and links for 'View technical information', 'View all variable information, by subject', and 'View all variable information, by variable name'. At the bottom of each column is a 'View example tables' link and a 'SELECT' button. The 'SELECT' button for the 2008 dataset is highlighted with a red box. In the top right corner of the workspace, there are links for 'My Preferences', 'PowerStats Home', 'DataLab', and 'Log out'.

GROUP			WORK SPACE		
QuickSelect by dataset name			Group: All undergraduates		
PRE-ELEMENTARY	SCHOOLS AND STAFFING SURVEY	SCHOOL SURVEY ON CRIME AND SAFETY	EDUCATION LONGITUDINAL STUDY	POSTSECONDARY	Students
			Beginning college students		
			All undergraduates		
			Graduating college seniors		
			Graduate students		
			Faculty		

were undergraduate students when interviewed in 2012.	were undergraduate students when interviewed in 2008.	were undergraduate students when interviewed in 2004.
Includes: <ul style="list-style-type: none">General demographicsTypes of aid and amounts receivedCost of attending collegeCombinations of work, study, and borrowingEnrollment patterns	Includes: <ul style="list-style-type: none">General demographicsTypes of aid and amounts receivedCost of attending collegeCombinations of work, study, and borrowingEnrollment patterns	Includes: <ul style="list-style-type: none">General demographicsTypes of aid and amounts receivedCost of attending collegeCombinations of work, study, and borrowingEnrollment patterns
Approximate number of respondents: 95,000	Approximate number of respondents: 113,500	Approximate number of respondents: 79,900
Study name: National Postsecondary Student Aid Study: 2012 Undergraduates Visit study website View technical information View all variable information, by subject View all variable information, by variable name	Study name: National Postsecondary Student Aid Study: 2008 Undergraduates Visit study website View technical information View all variable information, by subject View all variable information, by variable name	Study name: National Postsecondary Student Aid Study: 2004 Undergraduates Visit study website View technical information View methodology report View all variable information, by subject View all variable information, by variable name
View example tables	View example tables	View example tables
SELECT	SELECT	SELECT

2. CHOOSE A TYPE OF TABLE

INSTRUCTIONS

1. Click the *Percentage Distribution* icon.

TIP

Click *See examples* under each table type to learn more.



All undergraduates: 2008 (NPSAS2008UG)

[Usage Statistics](#) | [PowerStats Home](#) | [DataLab](#) | [Log out](#)

CHOOSE TYPE OF TABLE

 <p>PERCENTAGE DISTRIBUTION</p> <p>Generates percentage of population in each category of a variable, displayed in columns.</p> <p>See examples  (63 KB)</p>	 <p>AVERAGES, MEDIANS & PERCENTS</p> <p>Computes any of three statistics (averages, medians, or percentages) for your selected variables, displayed in columns.</p> <p>See examples  (63 KB)</p>	 <p>CENTILES</p> <p>Produces values of a <u>continuous variable</u> at centiles, displayed in columns.</p> <p>See examples  (65 KB)</p>
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3. SELECT COLUMN VARIABLE

INSTRUCTIONS

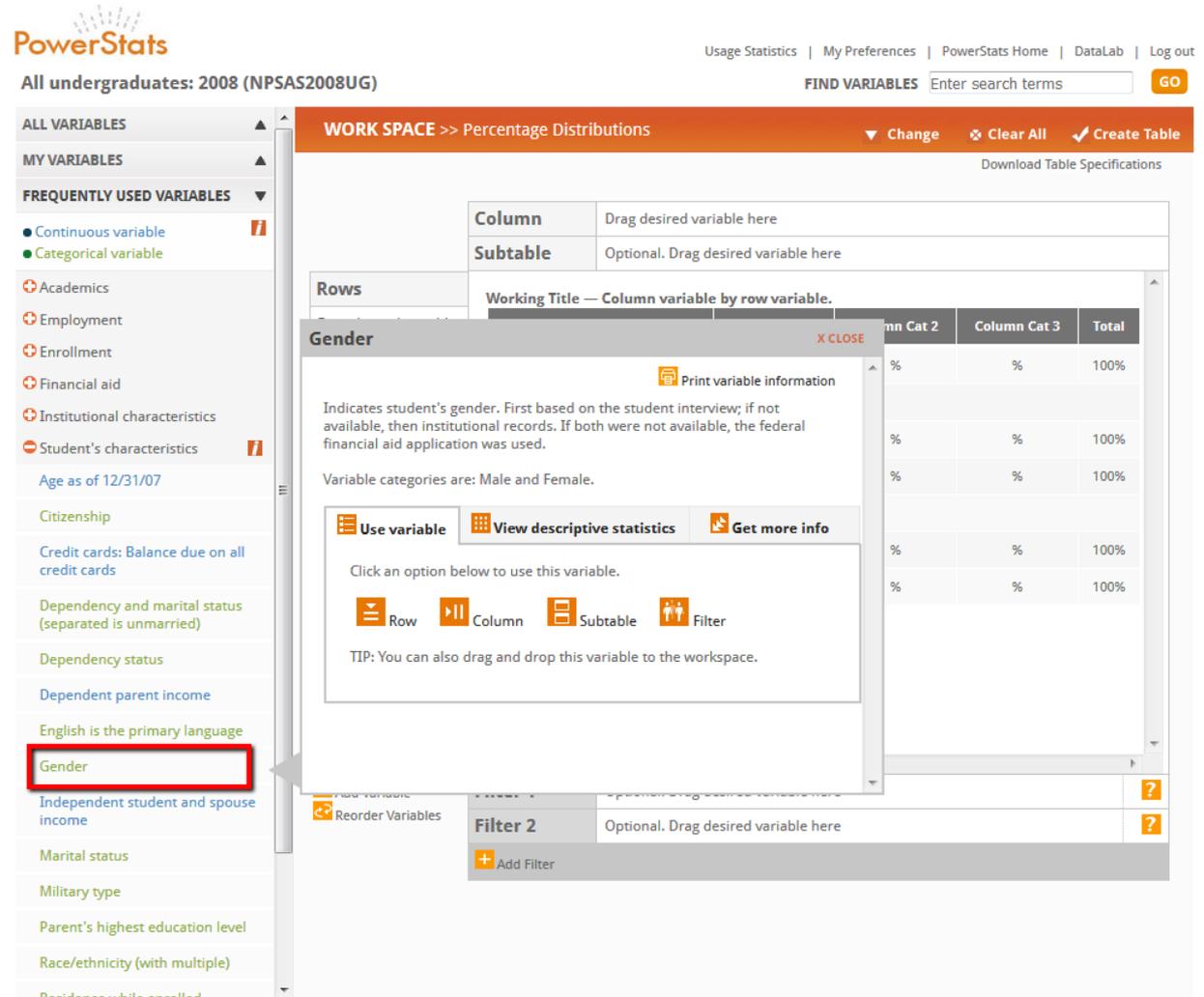
1. Under Frequently Used Variables, click  next to *Student's Characteristics* to see available variables.

2. Click *Gender*.

The Variable Information window appears.

NOTE

Gender is a categorical variable and is therefore shown in green.



The screenshot shows the PowerStats interface for the dataset "All undergraduates: 2008 (NPSAS2008UG)". The left sidebar lists variables under "FREQUENTLY USED VARIABLES", with "Gender" highlighted in green and a red box around it. The main workspace shows a table titled "Working Title — Column variable by row variable." with columns for "Column Cat 2", "Column Cat 3", and "Total". A "Variable Information" window for "Gender" is open, displaying the variable's description and options to "Use variable", "View descriptive statistics", or "Get more info". The "Use variable" window shows options for "Row", "Column", "Subtable", and "Filter".

PowerStats
All undergraduates: 2008 (NPSAS2008UG)

Usage Statistics | My Preferences | PowerStats Home | DataLab | Log out

FIND VARIABLES Enter search terms **GO**

WORK SPACE >> Percentage Distributions Change Clear All Create Table

Download Table Specifications

Column	Drag desired variable here		
Subtable	Optional. Drag desired variable here		
Rows	Working Title — Column variable by row variable.		
	Column Cat 2	Column Cat 3	Total
Gender	%	%	100%
	%	%	100%
	%	%	100%
	%	%	100%
	%	%	100%
	%	%	100%

Gender X CLOSE

Print variable information

Indicates student's gender. First based on the student interview; if not available, then institutional records. If both were not available, the federal financial aid application was used.

Variable categories are: Male and Female.

Use variable View descriptive statistics Get more info

Click an option below to use this variable.

Row Column Subtable Filter

TIP: You can also drag and drop this variable to the workspace.

Reorder Variables **Filter 2** Optional. Drag desired variable here ?

Add Filter ?

3. SELECT COLUMN VARIABLE: Variable Info Screen

INSTRUCTIONS

1. Click *Column* to use *Gender* as the column variable. Alternatively, drag and drop *Gender* to the Column box in the Work Space.

The Variable Usage Options screen appears.

Main screen

Gender X CLOSE

Print variable information

Indicates student's gender. First based on the student interview; if not available, then institutional records. If both were not available, the federal financial aid application was used.

Variable categories are: Male and Female.

Use variable View descriptive statistics Get more info

Click an option below to use this variable.

Row **Column** Subtable Filter

TIP: You can also drag and drop this variable to the workspace.

Descriptive statistics

Gender X CLOSE

Print variable information

Indicates student's gender. First based on the student interview; if not available, then institutional records. If both were not available, the federal financial aid application was used.

Variable categories are: Male and Female.

Use variable View descriptive statistics Get more info

Value	Percentage	Value label
1	42.97	Male
2	57.03	Female

Weight used in frequency: (WTA000)

More information

Gender X CLOSE

Print variable information

Indicates student's gender. First based on the student interview; if not available, then institutional records. If both were not available, the federal financial aid application was used.

Variable categories are: Male and Female.

Use variable View descriptive statistics Get more info

Name: GENDER
Label: Gender
Applies to: All respondents.
Variable source: NPSAS:08 Interview, NPSAS:08 Institutional Records, FAFSA:08

3. SELECT COLUMN VARIABLE, cont'd.

INSTRUCTIONS

1. Select *Use Default Categories*.
2. Click *OK*.

TIP

The usage options differ based on the type of variable. See the *PS Overview* tutorial for discussion of all usage options by types of variables.

OPTIONS X CLOSE

MAKE MY OWN CATEGORIES +

USE DEFAULT CATEGORIES -

Gender

The following categories will be added to your table. Unselect the categories you do not wish to include.

Select All - Deselect All

Male

Female

OK

3. SELECT COLUMN VARIABLE, cont'd.

NOTE

The Work Space is updated with your selection.

The % placeholders in the Work Space will be replaced with calculations when your final table is generated.

WORK SPACE >> Percentage Distributions ▼ Change ✕ Clear All ✓ Create Table

[Download Table Specifications](#)

Column	Gender	Clear	Edit	
Subtable	Optional. Drag desired variable here			
Rows	Working Title — Column variable by row variable			
		Male	Female	Total
	Total	%	%	100%
	Row var label			
	Category	%	%	100%
	Category	%	%	100%
	Row var label			
Category	%	%	100%	
Category	%	%	100%	
Filter 1	Optional. Drag desired variable here ?			
Filter 2	Optional. Drag desired variable here ?			
+ Add Filter				

+ Add Variable ↺ Reorder Variables

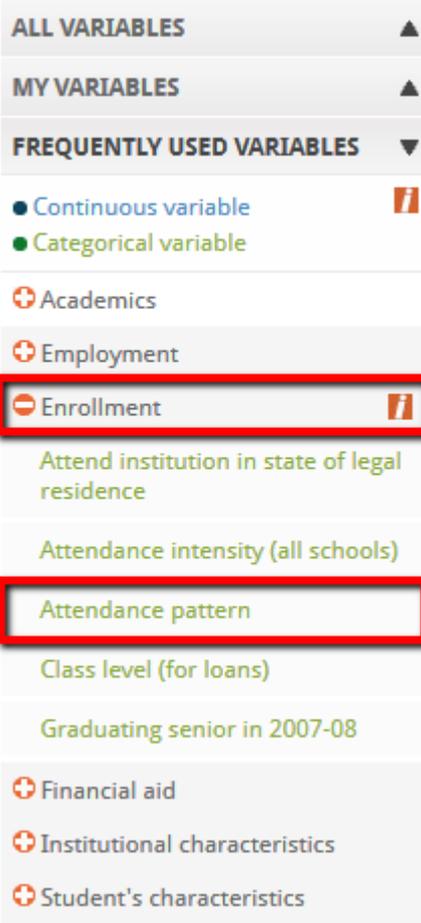
4. SELECT ROW VARIABLE 1

INSTRUCTIONS

1. Under Frequently Used Variables, click  next to *Enrollment* to see available variables.
2. Drag *Attendance pattern* to the first Row box in the Work Space.

The Variable Usage Options screen appears.
3. Choose *Make My Own Categories*.
4. Check the categories corresponding to numbers 1-3.
5. In the New category label field, type *Full-time*.
6. Click *Create Group*.

The “You’ve created the following groups box” is updated.
7. Repeat steps 4-6 for the Part-time category.
8. Click *Save*.



ALL VARIABLES ▲

MY VARIABLES ▲

FREQUENTLY USED VARIABLES ▼

- Continuous variable 
- Categorical variable

 Academics

 Employment

 Enrollment 

Attend institution in state of legal residence

Attendance intensity (all schools)

Attendance pattern

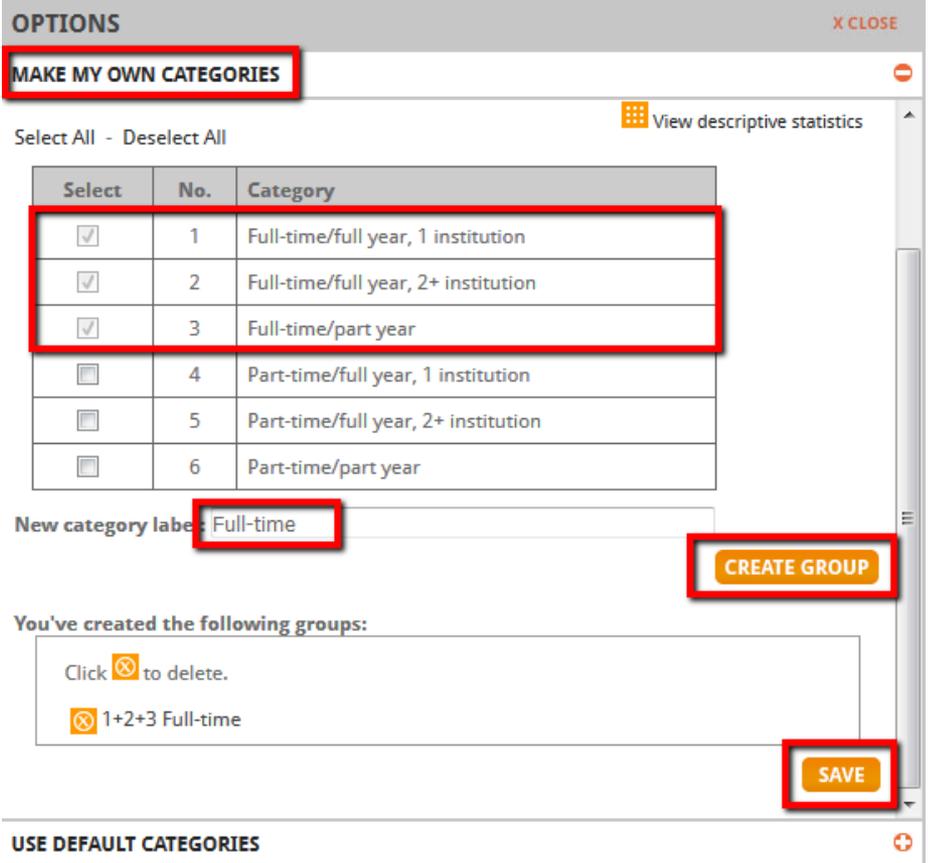
Class level (for loans)

Graduating senior in 2007-08

 Financial aid

 Institutional characteristics

 Student's characteristics



OPTIONS X CLOSE

MAKE MY OWN CATEGORIES 

Select All - Deselect All  View descriptive statistics

Select	No.	Category
<input checked="" type="checkbox"/>	1	Full-time/full year, 1 institution
<input checked="" type="checkbox"/>	2	Full-time/full year, 2+ institution
<input checked="" type="checkbox"/>	3	Full-time/part year
<input type="checkbox"/>	4	Part-time/full year, 1 institution
<input type="checkbox"/>	5	Part-time/full year, 2+ institution
<input type="checkbox"/>	6	Part-time/part year

New category label: 

CREATE GROUP

You've created the following groups:

Click  to delete.

 1+2+3 Full-time

SAVE

USE DEFAULT CATEGORIES 

4. SELECT ROW VARIABLE 2

INSTRUCTIONS

1. Under Frequently Used Variables, click  next to *Student's characteristics* to see available variables.
2. Drag *Age as of 12/31/07* to the second Row box in the Work Space.

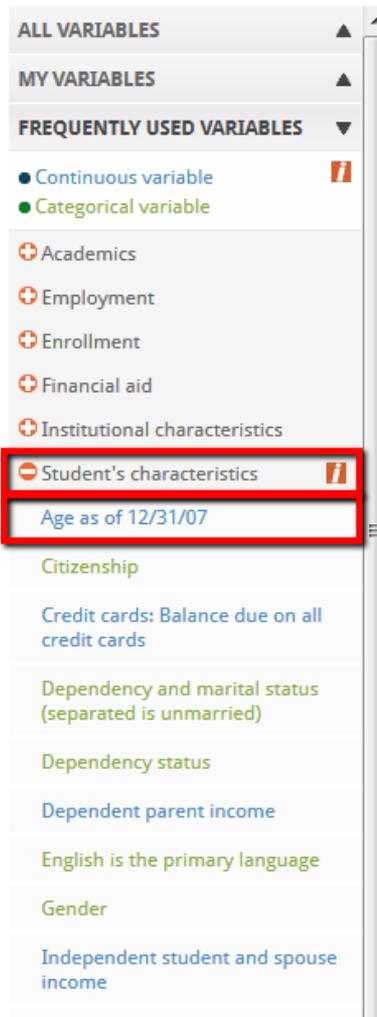
The Variable Usage Options screen appears.
3. Choose *Make My Own Categories*.
4. Enter the start and end values and labels as shown in the figure on the right.
5. Click *Save*.

NOTE

Age as of 12/31/07 is a continuous variables, and therefore you must enter start and end values to make your own categories.

TIP

When selecting start and end values, it is helpful to view descriptive statistics to see the distribution of values. Click *View descriptive statistics* to see this information.



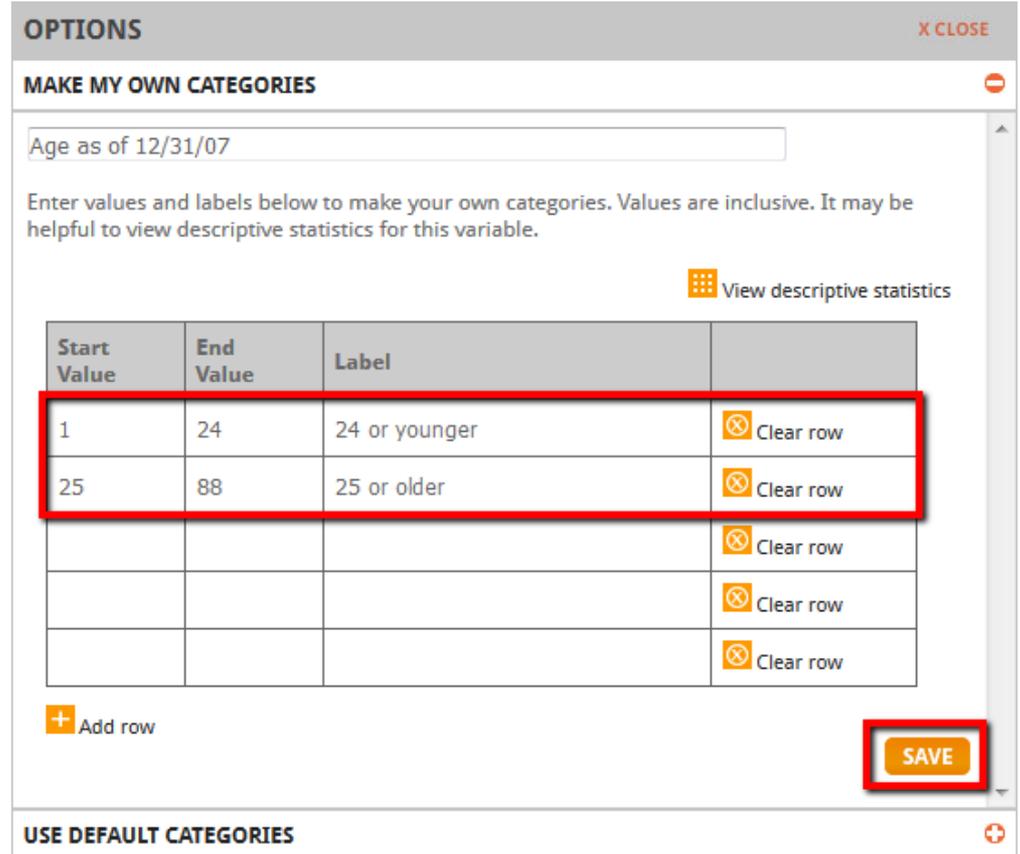
ALL VARIABLES ▲ ▲

MY VARIABLES ▲ ▲

FREQUENTLY USED VARIABLES ▼

- Continuous variable 
- Categorical variable

-  Academics
-  Employment
-  Enrollment
-  Financial aid
-  Institutional characteristics
-  **Student's characteristics** 
- Age as of 12/31/07**
- Citizenship
- Credit cards: Balance due on all credit cards
- Dependency and marital status (separated is unmarried)
- Dependency status
- Dependent parent income
- English is the primary language
- Gender
- Independent student and spouse income



OPTIONS X CLOSE

MAKE MY OWN CATEGORIES 

Age as of 12/31/07

Enter values and labels below to make your own categories. Values are inclusive. It may be helpful to view descriptive statistics for this variable.

 View descriptive statistics

Start Value	End Value	Label	
1	24	24 or younger	 Clear row
25	88	25 or older	 Clear row
			 Clear row
			 Clear row
			 Clear row

 Add row

SAVE

USE DEFAULT CATEGORIES 

5. RUN YOUR TABLE

INSTRUCTIONS

1. Click *Create Table*.

TIP

The Create Table button becomes active after you select one column and one row variable.

WORK SPACE >> Percentage Distributions ▼ Change ✕ Clear All ✓ Create Table [Download Table Specifications](#)

Column	Gender	↺ Clear ✎ Edit																																
Subtable	Optional. Drag desired variable here																																	
Rows	Working Title — Gender by Attendance pattern and Age as of 12/31/07.																																	
Attendance pattern	<table border="1"><thead><tr><th></th><th>Male</th><th>Female</th><th>Total</th></tr></thead><tbody><tr><td>Total</td><td>%</td><td>%</td><td>100%</td></tr><tr><td colspan="4">Attendance pattern</td></tr><tr><td>Full-time</td><td>%</td><td>%</td><td>100%</td></tr><tr><td>Part-time</td><td>%</td><td>%</td><td>100%</td></tr><tr><td colspan="4">Age as of 12/31/07</td></tr><tr><td>24 or younger</td><td>%</td><td>%</td><td>100%</td></tr><tr><td>25 or older</td><td>%</td><td>%</td><td>100%</td></tr></tbody></table>		Male	Female	Total	Total	%	%	100%	Attendance pattern				Full-time	%	%	100%	Part-time	%	%	100%	Age as of 12/31/07				24 or younger	%	%	100%	25 or older	%	%	100%	↺ Clear ✎ Edit
	Male	Female	Total																															
Total	%	%	100%																															
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Age as of 12/31/07		↺ Clear ✎ Edit																																
Optional. Drag desired variable here																																		
+ Add Variable ↺ Reorder Variables	Filter 1 Optional. Drag desired variable here ?																																	
	Filter 2 Optional. Drag desired variable here ?																																	
	+ Add Filter																																	

YOUR TABLE



All undergraduates: 2008 (NPSAS2008UG)

VIEW

- Estimates Only
- Estimates and Standard Errors
- Estimates and Confidence Intervals
- Printer-Friendly Version

SAVE

- Save to *My Tables*
- Save to *My Variables*
- Save at NCES and Send Me the URL
- Download as CSV
- Download for Excel
- Download as PDF
- Download Table Specifications

SHARE

- Post My Table to User Tables
- Email to a Friend

TABLE

- T-Test Tool
- Edit Table
- Create Table

Edit Title

Gender by Attendance pattern and Age as of 12/31/07.

	Male (%)	Female (%)	Total
Estimates			
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