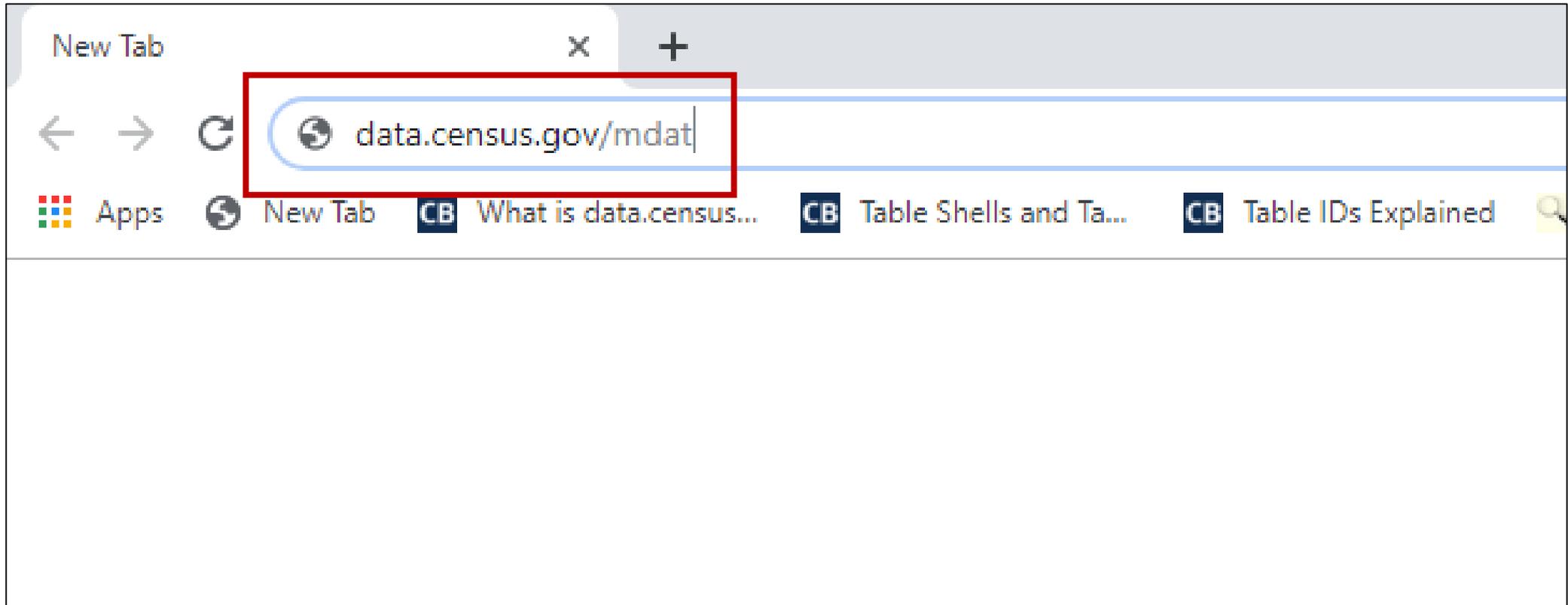


# Using Microdata Access

With CPS ASEC – How to Create Poverty Estimates From the CPS ASEC

[data.census.gov/mdat](https://data.census.gov/mdat)

The screenshot shows the 'Explore Data' page on the Census Bureau's microdata access portal. The page has a dark blue header with the 'United States Census Bureau' logo and 'BETA' text. Below the header is a light gray bar with the text 'Explore Data'. The main content area is white and features the heading 'Select a Dataset & Vintage'. There are two selection fields: 'Select Dataset' and 'Select Vintage'. The 'Select Dataset' field is currently set to 'CPS Annual Social and Economic (March) Supplement' with 'CPSASEC' listed below it. The 'Select Vintage' field is currently set to 'MAR 2019' with '201903' listed below it. A teal 'NEXT' button is located in the bottom right corner of the form area.



To use Microdata Access, go to  
[data.census.gov/mdat](https://data.census.gov/mdat).

Microdata Access should work  
properly using any web browser.

# Select a Dataset & Vintage

Select Dataset

CPS Annual Social and Economic (March) Supplement

CPSASEC

Select Vintage

MAR 2019

201903

NEXT

The landing page allows you to select your dataset and vintage.

# Select a Dataset & Vintage

ACS 1-Year Estimates - Public Use Microdata Sample

ACS 1-Year Estimates - Puerto Rico Public Use Microdata Sample

ACS 5-Year Estimates - Public Use Microdata Sample

ACS 5-Year Estimates - Puerto Rico Public Use Microdata Sample

CPS Annual Social and Economic (March) Supplement

CPS Basic Monthly

Currently, the following datasets can be found in Microdata Access:

(Note: Any of these can be used to get poverty estimates except for the "CPS Basic Monthly" dataset)

- ACS 1-Year Estimates – Public Use Microdata Sample
- ACS 1-Year Estimates – Puerto Rico Public Use Microdata Sample
- ACS 5-Year Estimates – Public Use Microdata Sample
- ACS 5-Year Estimates – Puerto Rico Public Use Microdata Sample
- CPS Annual Social and Economic (March) Supplement
- CPS Basic Monthly

## Select a Dataset & Vintage

Select Dataset

CPS Annual Social and Economic (March) Supplement

CPSASEC

Select Vintage

MAR 2019



MAR 2018

MAR 2017

MAR 2016

The vintages available are dependent on the dataset.

- ACS 1-Year Estimates are available back to 2004 (2005 for Puerto Rico)
- ACS 5-Year Estimates are available back to 2009
- CPS ASEC March Supplement datasets are available back to March 2014
- CPS Basic Monthly datasets are available back to January 1994

# Select a Dataset & Vintage

Select Dataset

CPS Annual Social and Economic (March) Supplement

CPSASEC

Select Vintage

MAR 2019

201903

NEXT

For this walkthrough, we'll use the March 2019 CPS Annual Social and Economic (March) Supplement. Once these are selected, hit the NEXT button found in the lower right of the screen.

**SELECT VARIABLES**

SELECT GEOGRAPHIES

DATA CART (0)

TABLE LAYOUT

DOWNLOAD

You can explore the full set of variables and values in the CPS ASEC Data Dictionary at [https://thedataweb.rm.census.gov/ftp/cps\\_ftp.html](https://thedataweb.rm.census.gov/ftp/cps_ftp.html)

filter by Topic ▼

**SEARCH**

Showing 685 of 1006 Variables

Select at least one variable to start

	Variable	Label	Number of	Type	
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	(3) Edited Items, Recodes	
<input type="checkbox"/>	A_AGE	Demographics, Age	1	Edited Items	<b>▼ DETAILS</b>
<input type="checkbox"/>	A_SEX	Demographics, Sex	2	Edited Items	<b>▼ DETAILS</b>
<input type="checkbox"/>	PEAFWHN3	Demographics - past military service period ...	10	Edited Items	<b>▼ DETAILS</b>
<input type="checkbox"/>	PEAFWHN2	Demographics - past military service period ...	10	Edited Items	<b>▼ DETAILS</b>
<input type="checkbox"/>	PEAFWHN1	Demograph...			
<input type="checkbox"/>	PEAFEVER	Veteran sta...			
<input type="checkbox"/>	PEAFWHN4	Demograph...			

The SELECT VARIABLES screen is the next screen that appears. You can choose the variables that you need by clicking the checkbox next to it. To find the variables more quickly, you can use the search bar to search for the desired variable/label. You can view specific details about the variable by clicking on the DETAILS dropdown.

Showing 5 of 1006 Variables

Selected: 1 variable (2 columns, 1 row)

	Variable	Label	Number of	Type	
	<input type="text" value="pov"/>		<input type="text"/>	(3) Edited Items, Recodes, ...	
<input type="checkbox"/>	POVLL	Poverty, ratio of income to low-income level ...	14	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	FPOVCUT	Poverty - Low income cutoff dollar amount - ...	1	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	FRSPOV	Poverty - Ratio for related subfamily income	15	Edited Items	<a href="#">▼ DETAILS</a>
<input checked="" type="checkbox"/>	POV_UNIV	Poverty universe indicator	2	Edited Items	<a href="#">▼ DETAILS</a>
<input type="checkbox"/>	SPM_POVTHRESHOLD	SPM unit's SPM poverty threshold	1	Edited Items	<a href="#">▼ DETAILS</a>

Dataset: CPS Annual Social and Economic (March) Supplement (201903) [CHANGE](#)

[VIEW TABLE](#)

For this example, we are going to create a cross tabulation on the number of people in poverty by age.

You can search in the variable list for “pov\_univ” (this is the poverty universe recode). You can then add the POV\_UNIV variable to your Data Cart by clicking the checkbox next to it.

filter by Topic I'm looking for

Showing 1 of 1006 Variables Selected: 2 variables (8 columns, 1 row)

	Variable	Label	Number of	Type
<input checked="" type="checkbox"/>	famlis			(3) Edited Items, Recodes, ...
	FAMLIS	Poverty - ratio family income/low-income level	4	Edited Items <a href="#">DETAILS</a>

Now you want to search in the variable list for “FAMLIS”. FAMLIS is one of the variables you can use to create different income-to-poverty ratios. You can then add the FAMLIS variable to your Data Cart by clicking the checkbox next to it.

Other income-to-poverty variables you can use for the CPS ASEC files are: PERLIS, POVLL or FRSPOV to get the different income-to-poverty ratios.

This variable is continuous and can only go to "Values in table cells". Create a group (recode) to use elsewhere. "Demographics, Age (A\_AGE)"

SELECT VARIABLES

SELECT GEOGRAPHIES

DATA CART (3)

TABLE LAYOUT

DOWNLOAD

filter by Topic

I'm looking for

SEARCH

Showing 4 of 1006 Variables

Selected: 3 variables (8 columns, 1 row)

	Variable	Label	Number of	Type	
<input checked="" type="checkbox"/>	age			(3) Edited Items, Recodes, 1	
<input checked="" type="checkbox"/>	A_AGE	Demographics, Age	1	Edited Items	<a href="#">DETAILS</a>
<input type="checkbox"/>	WAGEOTR	Wage and salary earnings, other job Y/N	3	Edited Items	<a href="#">DETAILS</a>
<input type="checkbox"/>	AGE1	Demographic			
<input type="checkbox"/>	SPM_HAGE	Head of S			

Dataset: CPS Annual Social and Economic (March) Sup

Now that you have the poverty universe and income-to-poverty ratio variable, FAMLIS, in you cart you can now search for variables you want in your table. For this walkthrough, we'll search for the Age variable, "A\_AGE," and click the checkbox next to it. When the checkbox is selected, a yellow message box appears at the top of the screen to alert you that, "This variable is continuous and can only go to 'Values in table cells'. You must create a group (recode) to use elsewhere."

This means that a recode must be created in order to use this variable in more than just the 'Values in table cells' option (more on creating recodes later).

SELECT VARIABLES

SELECT GEOGRAPHIES

DATA CART (3)

TABLE LAYOUT

DOWNLOAD



filter by Topic

I'm looking for

SEARCH

Showing 4 of 1006 Variables

Selected: 3 variables (8 columns, 1 row)

	Variable	Label	Number of	Type	
<input checked="" type="checkbox"/>	age			(3) Edited Items, Recodes, T	
<input checked="" type="checkbox"/>	A_AGE	Demographics, Age	1	Edited Items	DETAILS
<input type="checkbox"/>	WAGEOTR	Wage and salary earnings, other job Y/N	3	Edited Items	DETAILS
<input type="checkbox"/>	AGE1	Demographics, Age recode, persons 15+ years	18	Recodes	DETAILS
<input type="checkbox"/>	SPM_HAGE	Head of SPM unit's age	3	Edited Items	DETAILS

Dataset: CPS Annual Social and Economic (March) Supplement

We can keep track of the number of variables we've selected by looking at the right side of the screen and/or the number next to the "DATA CART (3)"—if we accidentally failed to include one of our desired variables, we'll be able to tell, right away, by checking the number we have selected.

Now that we have our three variables selected, let's click on the SELECT GEOGRAPHIES tab.



IN THIS BETA VERSION, DATA ARE AVAILABLE ONLY FOR STATES. THE OTHER GEOGRAPHIC AREAS WILL BE ENABLED SOON.

GEOGRAPHIES

State

Dataset: CPS Annual Social and Economic (March) Supplement (201903)

[CHANGE](#)

Now that we're on the **SELECT GEOGRAPHIES** tab, let's choose our geography. For the CPS ASEC only Nation and State geographies are available. If you do not select a geography, Nation will be used as the default geography.

Now we can move to the **DATA CART** tab.



## Selected Variables (3)

A\_AGE

1 of 1 responses



FAMLIS

4 of 4 responses



POV\_UNIV

2 of 2 responses



## Poverty universe indicator (POV\_UNIV)

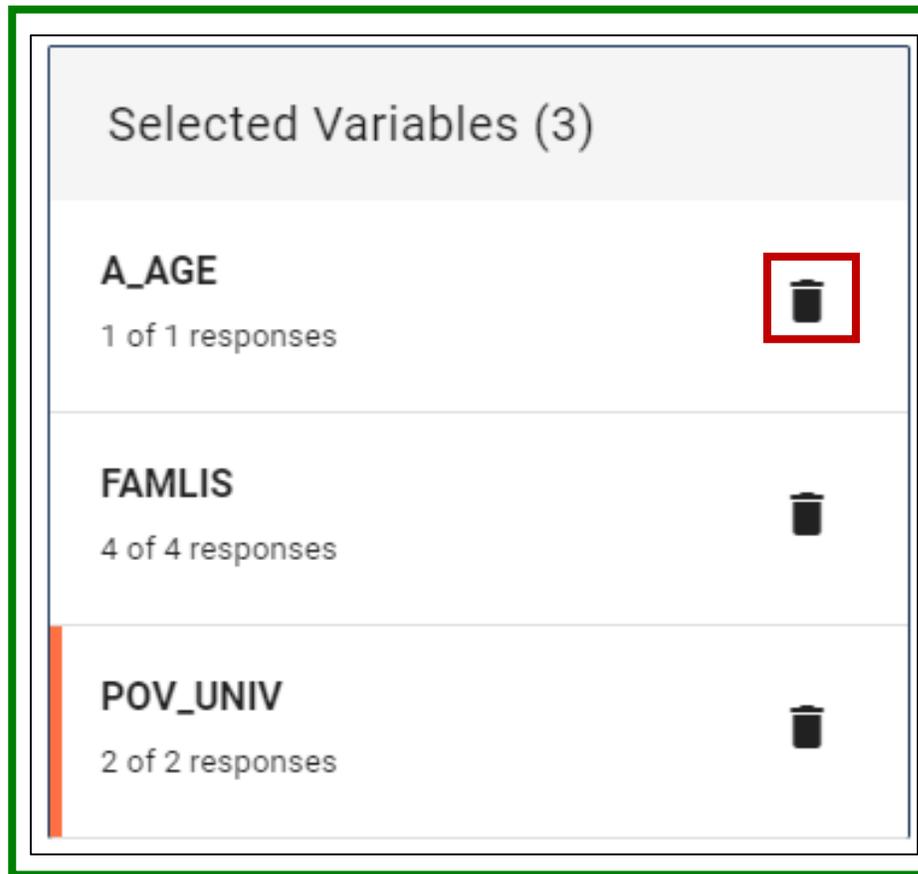
DETAILS ^

## + CREATE CUSTOM GROUP

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>	Person not in poverty universe	0
<input checked="" type="checkbox"/>	Person in poverty universe	1

This is how your DATA CART tab should look. Your selected variables should be displayed on the left side of the screen (highlighted in the green box). The information for the variable you have highlighted on the left will be displayed on the right side of the screen (highlighted in the purple box)—this section is used to create the recodes.

Let's look at the DATA CART tab in detail.



In the Selected Variables box, you can see your selected variables, along with the current number of responses associated with that variable. For example, POV\_UNIV, the poverty universe variable, has 2 different response options (Person not in poverty universe and Person in poverty universe).

You can also click on the trashcan icon to remove a variable from your list.

Selected Variables (3)

**A\_AGE**  
1 of 1 responses

**FAMLIS**  
4 of 4 responses

**POV\_UNIV**  
2 of 2 responses

**Poverty universe indicator (POV\_UNIV)** DETAILS ^

+ CREATE CUSTOM GROUP

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>	Person not in poverty universe	0
<input checked="" type="checkbox"/>	Person in poverty universe	1



Selected Variables (3)

**A\_AGE**  
1 of 1 responses

**FAMLIS**  
4 of 4 responses

**POV\_UNIV**  
1 of 2 responses

**Poverty universe indicator (POV\_UNIV)**

+ CREATE CUSTOM GROUP

<input type="checkbox"/> Include in Universe	Response Label	Value
<input type="checkbox"/>	Person not in poverty universe	0
<input checked="" type="checkbox"/>	Person in poverty universe	1

In the “Poverty universe indicator (POV\_UNIV)” box, you’ll find the current information about the variable, such as the Response Label and the value range.

Since we only want the people in the poverty universe, let’s uncheck the box for the “PERSON NOT IN POVERTY UNIVERSE.” This way the ones not in the poverty universe will not show up in the table.

Now you see we are only using one of the two responses.

SELECT VARIABLES    SELECT GEOGRAPHIES    **DATA CART (3)**    TABLE LAYOUT    DOWNLOAD

### Selected Variables (3)

- A\_AGE**  
1 of 1 responses
- FAMLIS**  
4 of 4 responses
- POV\_UNIV**  
1 of 2 responses

### Demographics, Age (A\_AGE)

**+ CREATE CUSTOM GROUP**

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>	Range	0 ————— 85

Dataset: CPS Annual Social and Economic (March) Supplement (201903)    CHANGE

Now we are going to create the A\_AGE recode groups. Click on the A\_AGE variable on the left hand side. Then click the + CREATE CUSTOM GROUP button.

SELECT VARIABLES    SELECT GEOGRAPHIES    **DATA CART (4)**    TABLE LAYOUT    DOWNLOAD

**Selected Variables (4)**

- A\_AGE  
1 of 1 responses
- FAMLIS  
4 of 4 responses
- POV\_UNIV  
2 of 2 responses
- A\_AGE\_RC1**  
1 of 1 responses

**Demographics, Age recode**    AUTO GROUP

Not Elsewhere Classified    Show on table

Group Label  
Not Elsewhere Classified

24 / 60

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Range	0 ————— 85

CANCEL    SAVE GROUP

Dataset: CPS Annual Social and Economic (March) Supplement (2019)

As soon as you click the + CREATE CUSTOM GROUP button, a new variable (the recode you have created) will be added to the Selected Variables list. Our recode is called A\_AGE\_RC1. You'll also notice that we now have four variables in our DATA CART.

**Demographics, Age recode** AUTO GROUP

Not Elsewhere Classified Show on table

Group Label  
Not Elsewhere Classified

24 / 60

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Range	0  85

CANCEL SAVE GROUP



**Demographics, Age recode** AUTO GROUP

Age 0-17 Show on table

Group Label  
Age 0-17

8 / 60

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Range	0  17

CANCEL SAVE GROUP

Before we do anything else, let's go over some things about this recode. First, we can rename the recode to something that makes sense. Let's call ours first recode "Age 0-17." Click on, or next to, the "Not Elsewhere Classified" text in the Group Label box, delete it, and type "Age 0-17" in that spot. Now we need to change to value for the age. Change value to "0 to 17", then check the save group.

 **Demographics, Age recode** AUTO GROUP

Not Elsewhere Classified Show on table

Group Label  
Not Elsewhere Classified 24 / 60

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Range	0  85

CANCEL SAVE GROUP

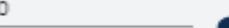


Recode Label  

**Demographics, Age rec** 24 / 80

Not Elsewhere Classified

Group Label  
Not Elsewhere Classified 24 / 60

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Range	0 

You can also change the Recode Label by selecting the pencil icon next to the Demographics, Age flag recode text. Once you are happy with the label, click on the check mark in the green circle.

**Demographics, Age recode** AUTO GROUP

**Not Elsewhere Classified**  
VALUES: 18:85

EDIT GROUP

**Age 0-17**  
VALUES: 0:17

EDIT GROUP



**Demographics, Age recode** AUTO GROUP

**Not Elsewhere Classified** Show on table

Group Label  
Not Elsewhere Classified

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Between 18 and 85	18 <span style="float: right;">85</span>

CANCEL SAVE GROUP

**Age 0-17**  
VALUES: 0:17

EDIT GROUP



**Demographics, Age recode** AUTO GROUP

**Age 18-64** Show on table

Group Label  
Age 18-64

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Between 18 and 85	18 <span style="float: right;">64</span>

CANCEL SAVE GROUP

**Age 0-17**  
VALUES: 0:17

EDIT GROUP

Let's call our second recode "Age 18-64" Click on the "Edit Group." In the Group Label box, delete text, and type "Age 18-64" in that spot. Now we need to change the value for the age to "18 to 64," then check the save groups.

**Demographics, Age recode** AUTO GROUP

**Not Elsewhere Classified**

VALUES: 65:85

EDIT GROUP

**Age 0-17**

VALUES: 0:17

EDIT GROUP

**Age 18-64**

VALUES: 18:64

EDIT GROUP



**Demographics, Age recode** AUTO GROUP

**Not Elsewhere Classified** Show on table

Group Label

Not Elsewhere Classified

<input type="checkbox"/> Add to Group	Response Label	Value
<input type="checkbox"/>	Between 65 and 85	65 <span style="display: inline-block; width: 100px; border-bottom: 1px solid black; position: relative;"> <span style="position: absolute; left: 0; top: -5px;">●</span> <span style="position: absolute; right: 0; top: -5px;">●</span> </span> 85

CANCEL SAVE GROUP

**Age 0-17**

VALUES: 0:17

EDIT GROUP

**Age 18-64**

VALUES: 18:64

EDIT GROUP



**Demographics, Age recode** AUTO GROUP

**Age 65-85** Show on table

Group Label

Age 65-85

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Between 65 and 85	65 <span style="display: inline-block; width: 100px; border-bottom: 1px solid black; position: relative;"> <span style="position: absolute; left: 0; top: -5px;">●</span> <span style="position: absolute; right: 0; top: -5px;">●</span> </span> 85

CANCEL SAVE GROUP

**Age 0-17**

VALUES: 0:17

EDIT GROUP

Let's call our last recode "Age 65-85." Click on the "Edit Group." In the Group Label box, delete text, and type "Age 65-85" in that spot. Since the only age group left is 65 to 85 we don't have to change the value for age. Then check the save groups.

SELECT VARIABLES   SELECT GEOGRAPHIES   **DATA CART (4)**   TABLE LAYOUT   DOWNLOAD

Selected Variables (4)

- A\_AGE**  
1 of 1 responses
- FAMLIS**  
4 of 4 responses
- POV\_UNIV**  
2 of 2 responses
- A\_AGE\_RC1**  
3 of 3 responses

**Demographics, Age recode**   **AUTO GROUP**

- Age 65-85**  
VALUES: 65:85   **EDIT GROUP**
- Age 0-17**  
VALUES: 0:17   **EDIT GROUP**
- Age 18-64**  
VALUES: 18:64   **EDIT GROUP**

Here we have our 3 age recode groups. NOTE that we took the single response group for age and used that to create three recode groups.

Next, we are going to do a recode for the FAMLIS variable.



**Selected Variables (4)**

A\_AGE  
1 of 1 responses

**FAMLIS**  
4 of 4 responses

POV\_UNIV  
1 of 2 responses

A\_AGE\_RC1  
3 of 3 responses

**Poverty - ratio family income/low-income level (FAMLIS)**

DETAILS ^

**+ CREATE CUSTOM GROUP**

<input checked="" type="checkbox"/> Include in Universe	Response Label	Value
<input checked="" type="checkbox"/>	Below low-income level	1
<input checked="" type="checkbox"/>	100 - 124 percent of the low-income leve	2
<input checked="" type="checkbox"/>	125 - 149 percent of the low-income leve	3
<input checked="" type="checkbox"/>	150 percent and above the low-income lev	4

The FAMLIS variable has four different response values, which means we can create up to four custom groups. For this example, we are only going to create two custom groups using all four values. First, click on +CREATE CUSTOM GROUP.

## Poverty - ratio family income/low-income level recode

Below poverty

Show on table

Group Label  
Below poverty

13 / 60

<input type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	Below low-income level	1
<input type="checkbox"/>	100 - 124 percent of the low-income level	2
<input type="checkbox"/>	125 - 149 percent of the low-income level	3
<input type="checkbox"/>	150 percent and above the low-income level	4

CANCEL

SAVE GROUP

Let's call our first group "Below poverty" and check the box next to "Below low-income level," then save the group.

**Poverty - ratio family income/low-income level recode**

Not Elsewhere Classified  
VALUES: 2, 3, 4

Below poverty  
VALUES: 1



**Poverty - ratio family income/low-income level recode**

Above poverty Show on table

Group Label  
Above poverty

13 / 60

<input checked="" type="checkbox"/> Add to Group	Response Label	Value
<input checked="" type="checkbox"/>	100 - 124 percent of the low-income leve	2
<input checked="" type="checkbox"/>	125 - 149 percent of the low-income leve	3
<input checked="" type="checkbox"/>	150 percent and above the low-income lev	4

Below poverty  
VALUES: 1

Next, we want to edit the “Not Elsewhere Classified” group for the remain values. Let’s call our second group “Above poverty” and check the last 3 boxes, then save the group.

### Selected Variables (5)

- A\_AGE  
1 of 1 responses
- FAMLIS  
4 of 4 responses
- POV\_UNIV  
1 of 2 responses
- FAMLIS\_RC1**  
2 of 2 responses
- A\_AGE\_RC1  
3 of 3 responses

### Poverty - ratio family income/low-income level recode

- Below poverty  
VALUES: 1 [EDIT GROUP](#)
- Above poverty  
VALUES: 2, 3, 4 [EDIT GROUP](#)

Above you will notice that we divided the 4 response values into 2 groups. Now that we have our groups/variables, let's move to the TABLE LAYOUT tab.

**Custom Table**

"Values in table cells" Options (1) <small>Determines order in list; cannot move to row/column</small>	
A_AGE	1 of 1 responses
Columns (2) <small>4 columns (maximum 400)</small>	
FAMLIS	4 of 4 responses
POV_UNIV	1 of 2 responses
Rows (0) <small>rows (maximum 2000)</small>	
Not on table (2) <small>(may restrict the sample universe)</small>	
FAMLIS_RC1	2 of 2 responses
A_AGE_RC1	3 of 3 responses

**Table Preview**

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:

Average of Demographics, Age (A\_AGE)

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

Poverty - ratio family income/low-income level (FAMLIS)			
Below low-income level	100 - 124 percent of the low-inc...	125 - 149 percent of the low-inc...	150 percent and above the low-i...
Poverty universe indicator (POV...	Poverty universe indicator (POV...	Poverty universe indicator (POV...	Poverty universe indicator (POV...
Person in poverty universe	Person in poverty universe	Person in poverty universe	Person in poverty universe
???	???	???	???

This tab provides a preview of your table. As you can see, all variables are in the column. The ??? act as placeholders for the data that will populate the table.

You can make modifications to the table by clicking on a row header or column header, holding the mouse, and dragging it to the spot you would like it to be.

However, for this example, we are going to rearrange the table on the next few screens.

Now lets click on the below "View Table" button.



## Custom Table

[MORE TABLE OPTIONS](#)

DETAILS ▾

Dataset: CPS Annual Social and Economic (March) Supplement [CHANGE DATASET](#)Geography: 0 geographies selected [CHANGE GEOGRAPHY](#)

Vintage: MAR 2019 ▾

Weighting: Weight, March supplement - Person ▾

On Columns



FAMLIS

POV\_UNIV

On Rows



Not on Table



"Values in table cells" Options



FAMLIS\_RC1

A\_AGE\_RC1

A\_AGE

Values in table cells:

Count



Average of Demographics, Age (A\_AGE)

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

Below low-income level	100 - 124 percent of the low-in...	125 - 149 percent of the low-in...	150 percent and above the lo...
Poverty universe indicator (PO...	Poverty universe indicator (PO...	Poverty universe indicator (PO...	Poverty universe indicator (PO...
Person in poverty universe	Person in poverty universe	Person in poverty universe	Person in poverty universe
34.22	35.37	37.34	39.77

Send Feedback  
cedsci.feedback@census.gov

You may notice that the values in the table cells default to "Average of Demographics, Age (A\_AGE)." We don't want the average age for this example, so let's click on the dropdown menu and select "Count."

**Custom Table** MORE TABLE OPTIONS DETAILS

**Dataset:** CPS Annual Social and Economic (March) Supplement CHANGE DATASET **Geography:** 0 geographies selected CHANGE GEOGRAPHY

**Vintage:** MAR 2019 **Weighting:** Weight, March supplement - Person

**On Columns** + **On Rows** +

**Not on Table** + **"Values in table cells" Options** +

**FAMLIS** **POV\_UNIV** **FAMLIS\_RC1** **A\_AGE\_RC1** **A\_AGE**

**Values in table cells:** Count Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

Poverty - ratio family income/low-income level (FAMLIS)			
Below low-income level	100 - 124 percent of the low-in...	125 - 149 percent of the low-in...	150 percent and above the lo...
Poverty universe indicator (PO...	Poverty universe indicator (PO...	Poverty universe indicator (PO...	Poverty universe indicator (PO...
Person in poverty universe	Person in poverty universe	Person in poverty universe	Person in poverty universe
38,145,538	13,560,095	13,385,570	258,755,953

[Send Feedback](#)  
cedsci.feedback@census.gov

Let's rearrange our table layout. Let's move the "FAMLIS" pills from the "On Columns" down to "Not on Table" and the "POV\_UNIV" pills from "On Columns", over to "On Rows."

## Custom Table

[MORE TABLE OPTIONS](#)

DETAILS ▾

Dataset: CPS Annual Social and Economic (March) Supplement [CHANGE DATASET](#)Geography: 0 geographies selected [CHANGE GEOGRAPHY](#)

Vintage: MAR 2019 ▾

Weighting: Weight, March supplement - Person ▾

On Columns



On Rows



POV\_UNIV

Not on Table



"Values in table cells" Options



FAMLIS\_RC1

A\_AGE\_RC1

FAMLIS

A\_AGE

Values in table cells:

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

Count ▾

Poverty universe indicator

Person in poverty universe

323,847,156

By having the POV\_UNIV in the "On Rows" section we get the total number of people in the poverty universe.

**Custom Table** MORE TABLE OPTIONS DETAILS

**Dataset:** CPS Annual Social and Economic (March) Supplement CHANGE DATASET      **Geography:** 0 geographies selected CHANGE GEOGRAPHY

**Vintage:** MAR 2019      **Weighting:** Weight, March supplement - Person

**On Columns** +      **On Rows** +

**FAMLIS\_RC1**      **POV\_UNIV**

**Not on Table** +      "Values in table cells" Options +

**A\_AGE\_RC1** **FAMLIS**      **A\_AGE**

**Values in table cells:** Count      Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

	Poverty - ratio family income/low-income level recode (FAMLIS_RC1)	
Poverty universe indicator	Below Poverty	Above Poverty
Person in poverty universe	38,145,538	285,701,618

If we move the FAMLIS\_RC1 to the "On Columns" section the resulting table displays the total number of people below poverty and above poverty.

## Custom Table

[MORE TABLE OPTIONS](#)

DETAILS ▾

Dataset: CPS Annual Social and Economic (March) Supplement [CHANGE DATASET](#)Geography: 0 geographies selected [CHANGE GEOGRAPHY](#)Vintage: Weighting: 

On Columns



POV\_UNIV

Not on Table



FAMLIS

FAMLIS\_RC1

On Rows



A\_AGE\_RC1

"Values in table cells" Options



A\_AGE

Values in table cells:

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

	Poverty universe indicator (PO...)
Demographics, Age recode	Person in poverty universe
Age 0-17	73,284,105
Age 18-64	197,775,228
Age 65-85	52,787,823

Now let's move the POV\_UNIV pill in the "On Columns", section and the A\_AGE\_RC1 pill in the "On Rows" section. Now our table displays the total people in the poverty universe by age.

## Custom Table

[MORE TABLE OPTIONS](#)[DETAILS](#) Dataset: CPS Annual Social and Economic (March) Supplement [CHANGE DATASET](#)Geography: 0 geographies selected [CHANGE GEOGRAPHY](#)Vintage: Weighting: 

On Columns

**FAMLIS\_RC1**

On Rows

**A\_AGE\_RC1**

Not on Table

**FAMLIS****POV\_UNIV**

"Values in table cells" Options

**A\_AGE**

Values in table cells:

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

	Poverty - ratio family income/low-income level recode (FAMLIS_RC1)	
Demographics, Age recode	Below Poverty	Above Poverty
Age 0-17	11,869,172	61,414,934
Age 18-64	21,130,175	176,645,052
Age 65-85	5,146,191	47,641,632

By replacing the POV\_UNIV pill with the FAMLIS\_RC1 pill in the "On Columns," section we get the number of people below poverty and above poverty by age.

## Custom Table

[MORE TABLE OPTIONS](#)

DETAILS ▾

Dataset: CPS Annual Social and Economic (March) Supplement [CHANGE DATASET](#)Geography: 0 geographies selected [CHANGE GEOGRAPHY](#)Vintage: Weighting: 

On Columns



FAMLIS\_RC1

On Rows



A\_AGE\_RC1

Not on Table



FAMLIS

POV\_UNIV

"Values in table cells" Options



A\_AGE

Values in table cells:

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

	Poverty - ratio family income/low-income level recode (FAMLIS_RC1)	
Demographics, Age recode	Below Poverty	Above Poverty
Age 0-17	11,869,172	61,414,934
Age 18-64	21,130,175	176,645,052
Age 65-85	5,146,191	47,641,632

Clicking on the MORE TABLE OPTIONS will give you an opportunity to further customize your table or download/share it.

### Custom Table

#### "Values in table cells" Options

(1)

Determines order in list; cannot move to row/column

A\_AGE

1 of 1 responses

#### Columns (1)

2 columns (maximum 400)

FAMLIS\_RC1

2 of 2 responses

#### Rows (1)

3 rows (maximum 2000)

A\_AGE\_RC1

3 of 3 responses

#### Not on table (2)

(may restrict the sample universe)

### Table Preview

Drag and drop variables between sections on the left; see results on table layout below.

Values in table cells:

Count

Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

	Poverty - ratio family income/low-income level recode (FAMLIS_RC1)	
Demographics, Age recode	Below Poverty	Above Poverty
Age 0-17	???	???
Age 18-64	???	???
Age 65-85	???	???

Dataset: CPS Annual Social and Economic (March) Supplement (201903)

[CHANGE](#)

[VIEW TABLE](#)

If you click on Customize Table (from the MORE TABLE OPTIONS button), you will return to the TABLE LAYOUT tab.

 Download table view (.CSV) Extract raw data (.CSV) Extract raw data (.JSON)

Include:

 \* Weight, March supplement - Family \* Weight, March supplement - Person Weight, March supplement - Household Weight, Earnings/not in labor force Weight, Final - for basic CPS SPM unit's integer weight

\* weight associated with at least one variable in download

DOWNLOAD

Bookmark for your current selections; save to return later or send to someone to share.

[https://data.census.gov/mdat/#/search?ds=CPSASEC2019&vv=A\\_AGE&cv=FAMLIS\\_RC1&rv=A\\_AGE\\_RC1&nv=FAMLIS,POV\\_UNIV\(1\)&wt=MARSUPWT&F](https://data.census.gov/mdat/#/search?ds=CPSASEC2019&vv=A_AGE&cv=FAMLIS_RC1&rv=A_AGE_RC1&nv=FAMLIS,POV_UNIV(1)&wt=MARSUPWT&F)

COPY BOOKMARK

Dataset: CPS Annual Social and Economic (March) Supplement (201903) CHANGE

VIEW TABLE

If you click on Download (from the MORE TABLE OPTIONS button), you'll go to the DOWNLOAD tab. Here you can download the table as a CSV file, extract the raw data, copy the bookmark for the table, or copy API queries.



SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (5)   TABLE LAYOUT   **DOWNLOAD**

Download table view (.CSV)

**Extract raw data (.JSON)**  
Include:

- \* Weight, March supplement - Person
- \* Weight, March supplement - Family
- Weight, March supplement - Household
- Weight, Earnings/not in labor force
- Weight, Final - for basic CPS

\* weight associated with at least one variable in download

**DOWNLOAD**

```
[["MARSUPWT", "FSUP_WGT", "A_AGE", "FAMLIS_RC1", "A_AGE_RC1", "FAMLIS", "POV_UNIV"],  
["1591.04", "1591.04", "29", "2", "3", "4", "1"],  
["1391.94", "1391.94", "55", "2", "3", "2", "1"],  
["1456.42", "1358.01", "15", "2", "2", "4", "1"],  
["1571.59", "1358.01", "20", "2", "3", "4", "1"],  
["1358.01", "1358.01", "41", "2", "3", "4", "1"],  
["1358.01", "1358.01", "45", "2", "3", "4", "1"],  
["1745.17", "1517.98", "16", "2", "2", "4", "1"],  
["1517.98", "1517.98", "38", "2", "3", "4", "1"]]
```

Bookmark for your current selections; save to return later or send to someone to share.  
[https://data.census.gov/mdat/#/search?ds=CPSASEC2018&vv=A\\_AGE&c=FAMLIS\\_RC1&rv=A\\_AGE\\_RC1&nv=FAMLIS,POV\\_UNIV\(1\)&wt=MARSUPWT&FAMLIS\\_RC1=](https://data.census.gov/mdat/#/search?ds=CPSASEC2018&vv=A_AGE&c=FAMLIS_RC1&rv=A_AGE_RC1&nv=FAMLIS,POV_UNIV(1)&wt=MARSUPWT&FAMLIS_RC1=) **COPY BOOKMARK**

Query to extract PUMS records for your current selections from the Census Data API  
[https://api.census.gov/data/2018/cps/asec/mar?get=MARSUPWT&FAMLIS\\_RC1=](https://api.census.gov/data/2018/cps/asec/mar?get=MARSUPWT&FAMLIS_RC1=)

Query to extract tabular (aggregated) for your current selections from the Census Data API  
[https://api.census.gov/data/2018/cps/asec/mar?tabulate=1&get=MARSUPWT&FAMLIS\\_RC1=](https://api.census.gov/data/2018/cps/asec/mar?tabulate=1&get=MARSUPWT&FAMLIS_RC1=)

Dataset: CPS Annual Social and Economic Supplement (ASEC) for March 2018

**VIEW TABLE**

**CPSASEC (1).json** 

Open  
Always open files of this type  
Show in folder  
Cancel

**To extract raw data in a JSON file, check the box next to Extract raw data (.JSON). Be sure that the weight files you would like are also selected. Then hit the DOWNLOAD button. It may take a few moments for the JSON file to be produced. Once it has finished downloading, open it. (Some users may need to click on "show in folder" and then open it in a browser.)**

SELECT VARIABLES   SELECT GEOGRAPHIES   DATA CART (5)   TABLE LAYOUT   **DOWNLOAD**

- Download table view (.CSV)
- Extract raw data (.CSV)
- Extract raw data (.JSON)
  - Include:
  - \* Weight, March supplement - Family
  - \* Weight, March supplement - Person
  - Weight, March supplement - Household
  - Weight, Earnings/not in labor force
  - Weight, Final - for basic CPS
  - SPM unit's integer weight
  - \* weight associated with at least one variable in download

**DOWNLOAD**

Bookmark for your current selections; save to return later or send to someone to share.  
[https://data.census.gov/mdat/#/search?ds=CPSASEC2019&vv=A\\_AGE&cv=FAMLIS\\_RC1&rv=A\\_AGE\\_RC1&nv=POV\\_UNIV,FAMLIS&wt=MARSUPWT&FAMLIS\\_RC1=%7B%22S%22%3A%22Poverty%20-%20ratio%20family%20income%2Flow-income%20level%2](https://data.census.gov/mdat/#/search?ds=CPSASEC2019&vv=A_AGE&cv=FAMLIS_RC1&rv=A_AGE_RC1&nv=POV_UNIV,FAMLIS&wt=MARSUPWT&FAMLIS_RC1=%7B%22S%22%3A%22Poverty%20-%20ratio%20family%20income%2Flow-income%20level%2) **COPY BOOKMARK**

Query to extract PUMS records for your current selections from the Census Data API.  
[https://api.census.gov/data/2019/cps/asec/mar?get=MARSUPWT,FSUP\\_WGT,A\\_AGE,FAMLIS\\_RC1,A\\_AGE\\_RC1,POV\\_UNIV,FAMLIS&rcode+FAMLIS\\_RC1=%7B%22b%22%22FAMLIS%22,%22d%22%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%5](https://api.census.gov/data/2019/cps/asec/mar?get=MARSUPWT,FSUP_WGT,A_AGE,FAMLIS_RC1,A_AGE_RC1,POV_UNIV,FAMLIS&rcode+FAMLIS_RC1=%7B%22b%22%22FAMLIS%22,%22d%22%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%5) **COPY API GET QUERY**

Query to extract tabular (aggregated) for your current selections from the Census Data API.  
[https://api.census.gov/data/2019/cps/asec/mar?tabulate=weight\(MARSUPWT\)&col+FAMLIS\\_RC1&row+A\\_AGE\\_RC1&rcode+FAMLIS\\_RC1=%7B%22b%22%22FAMLIS%22,%22d%22%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%5D%5D%7D&re](https://api.census.gov/data/2019/cps/asec/mar?tabulate=weight(MARSUPWT)&col+FAMLIS_RC1&row+A_AGE_RC1&rcode+FAMLIS_RC1=%7B%22b%22%22FAMLIS%22,%22d%22%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%5D%5D%7D&re) **COPY API TABULATE QUERY**

Dataset: CPS Annual S

**VIEW TABLE**

United States BETA  
 Census

Explore Data: Microdata: Custom Table

**Custom Table** MORE TABLE OPTIONS DETAILS

Dataset: CPS Annual Social and Economic (March) Supplement CHANGE DATASET   Geography: 0 geographies selected CHANGE GEOGRAPHY

Vintage: MAR 2019   Weighting: Weight, March supplement - Person

On Columns: **FAMLIS\_RC1**   On Rows: **A\_AGE\_RC1**

Not on Table: **FAMLIS** **POV\_UNIV**   'Values in table cells' Options: **A\_AGE**

Values in table cells: Universe: Poverty universe indicator (POV\_UNIV): Person in poverty universe

Count

Demographics, Age recode	Poverty - ratio family income/low-income level recode (FAMLIS_RC1)	
	Below Poverty	Above Poverty
Age 0-17	11,886,172	81,414,934
Age 18-64	21,130,175	176,645,052
Age 65-85	5,146,191	47,641,652

Send Feedback [feedback@census.gov](mailto:feedback@census.gov)

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- Download table view (.CSV)
  - Extract raw data (.CSV)
  - Extract raw data (.JSON)  
Include:
    - \* Weight, March supplement - Family
    - \* Weight, March supplement - Person
    - Weight, March supplement - Household
    - Weight, Earnings/not in labor force
    - Weight, Final - for basic CPS
    - SPM unit's integer weight
- \* weight associated with at least one variable in download

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[https://data.census.gov/mdat/#/search?ds=CPSASEC2019&vv=A\\_AGE&cv=FAMLIS\\_RC1&rv=A\\_AGE\\_RC1&nv=POV\\_UNIV,FAMLIS&wt=MARSUPWT&FAMLIS\\_RC1=%7B%22S%22%3A%22Poverty%20-%20ratio%20family%20income%2Flow-income%20level%2](https://data.census.gov/mdat/#/search?ds=CPSASEC2019&vv=A_AGE&cv=FAMLIS_RC1&rv=A_AGE_RC1&nv=POV_UNIV,FAMLIS&wt=MARSUPWT&FAMLIS_RC1=%7B%22S%22%3A%22Poverty%20-%20ratio%20family%20income%2Flow-income%20level%2)

**COPY BOOKMARK**

Query to extract PUMS records for your current selections from the Census Data API.

[https://api.census.gov/data/2019/cps/asec/mar?get=MARSUPWT,FSUP\\_WGT,A\\_AGE,FAMLIS\\_RC1,A\\_AGE\\_RC1,POV\\_UNIV,FAMLIS&recode+FAMLIS\\_RC1=%7B%22b%22:%22FAMLIS%22,%22d%22:%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%22](https://api.census.gov/data/2019/cps/asec/mar?get=MARSUPWT,FSUP_WGT,A_AGE,FAMLIS_RC1,A_AGE_RC1,POV_UNIV,FAMLIS&recode+FAMLIS_RC1=%7B%22b%22:%22FAMLIS%22,%22d%22:%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%22)

**COPY API GET QUERY**

Query to extract tabular (aggregated) for your current selections from the Census Data API.

[https://api.census.gov/data/2019/cps/asec/mar?tabulate=weight\(MARSUPWT\)&col+FAMLIS\\_RC1&row+A\\_AGE\\_RC1&recode+FAMLIS\\_RC1=%7B%22b%22:%22FAMLIS%22,%22d%22:%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%5D%5D%7D&](https://api.census.gov/data/2019/cps/asec/mar?tabulate=weight(MARSUPWT)&col+FAMLIS_RC1&row+A_AGE_RC1&recode+FAMLIS_RC1=%7B%22b%22:%22FAMLIS%22,%22d%22:%5B%5B%21%22%5D,%5B%22%22,%223%22,%224%22%5D%5D%7D&)



**COPY API TABULATE QUERY**

Dataset: CPS Annual Social and Economic (March) Supplement (201903) [CHANGE](#)

**VIEW TABLE**

To copy the API queries, select either the COPY API GET QUERY or the COPY API TABULATE QUERY buttons. Open a new window in your browser and paste the URL into the URL bar. Hit enter. This will make the API call. The data can then be pulled into an Excel document.

# Questions?

[cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov)