

## Frequencies / Cross-tabulation Program

First, select the year(s) in which you are interested. Next, choose the variables you would like to analyze. To generate frequencies or cross tabulations, you can either type the variable names in the boxes pictured below, or use the variable dictionary on the left of the screen.

**SDA Frequencies/Crosstabulation Program**  
Help: [General](#) / [Recoding Variables](#)

REQUIRED Variable names to specify  
**Row:**

OPTIONAL Variable names to specify  
**Column:**

**Control:**

**Selection Filter(s):**  Example: age(18-50)

**Weight:**

TABLE OPTIONS	CHART OPTIONS
<b>Percentaging:</b> <input type="checkbox"/> Column <input checked="" type="checkbox"/> Row <input type="checkbox"/> Total with <input type="text" value="1"/> decimal(s) <input type="checkbox"/> Statistics with <input type="text" value="2"/> decimal(s) <input type="checkbox"/> Question text <input type="checkbox"/> Suppress table <input checked="" type="checkbox"/> Color coding <input type="checkbox"/> Show Z-statistic	<b>Type of chart:</b> Stacked Bar Chart <b>Bar chart options:</b> Orientation: <input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal Visual Effects: <input checked="" type="radio"/> 2-D <input type="radio"/> 3-D <b>Show Percents:</b> <input type="checkbox"/> Yes <b>Palette:</b> <input checked="" type="radio"/> Color <input type="radio"/> Grayscale <b>Size -</b> width: <input type="text" value="600"/> height: <input type="text" value="400"/>

The variable dictionary is generated based on the sample(s) you have selected. The variables available in each sample are organized into thematic groups by record type (household, person). To select a variable to analyze, click on the variable within the dictionary.

**Variable Selection: [Help](#)**

**Selected:**

**Copy to:**

**Mode:**  Append  Replace

- 1930 IPUMS Sample
  - Household variables
    - Technical
    - Geographic
    - Group Quarter
    - Economic Characteristic
    - Appliances, Mechanical, Other
    - Historical PUMS Technical
    - Constructed Household
  - Person variables
    - Technical
    - Family Interrelationship
    - Core Demographic
      - relate - Relationship to household head [general version]
      - age - Age
      - sex - Sex
      - race - Race [general version]
      - marst - Marital status
      - agemarr - Age at first marriage
    - Ethnicity/Nativity
    - Education
    - Work
    - Veteran Status
    - Other

Having done so, the “selected” box above will be populated with the variable you have chosen. You will now use the “Copy to” buttons below your variable name to enter your variable into the field of your choice.

The two most important fields in the frequencies/cross-tabulation program are “Row” and “Column”. With variables entered into these fields, the system will produce a basic cross tabulation. The input is pictured below. There are also table and chart options available for customizing your output.

**SDA Frequencies/Crosstabulation Program**  
 Help: [General](#) / [Recoding Variables](#)

REQUIRED Variable names to specify  
**Row:**

OPTIONAL Variable names to specify  
**Column:**   
**Control:**   
**Selection Filter(s):**  Example: age(18-50)  
**Weight:**

TABLE OPTIONS	CHART OPTIONS
<b>Percentaging:</b> <input checked="" type="checkbox"/> Column <input type="checkbox"/> Row <input type="checkbox"/> Total with <input type="text" value="1"/> decimal(s) <input type="checkbox"/> <b>Statistics</b> with <input type="text" value="2"/> decimal(s) <input type="checkbox"/> <b>Question text</b> <input type="checkbox"/> <b>Suppress table</b> <input checked="" type="checkbox"/> <b>Color coding</b> <input type="checkbox"/> <b>Show Z-statistic</b>	<b>Type of chart:</b> <input type="text" value="Stacked Bar Chart"/> <input type="button" value="v"/> <b>Bar chart options:</b> Orientation: <input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal Visual Effects: <input checked="" type="radio"/> 2-D <input type="radio"/> 3-D <b>Show Percents:</b> <input type="checkbox"/> Yes <b>Palette:</b> <input checked="" type="radio"/> Color <input type="radio"/> Grayscale <b>Size</b> - width: <input type="text" value="600"/> height: <input type="text" value="400"/>

The output is made up of a frequency distribution and a chart.

### Labor Force Status by Race

Frequency Distribution											
Cells contain: -Column percent -N of cases		race									ROW TOTAL
		1 White	2 Black/Negro	3 American Indian or Alaska Native	4 Chinese	5 Japanese	6 Other Asian or Pacific Islander	7 Other race, nec	8 Two major races	9 Three or more major races	
labforce	0: N/A	20.5 44,211,258	27.5 9,641,390	25.8 605,935	18.6 531,519	10.9 91,356	22.0 2,017,296	30.3 5,254,636	45.2 2,341,408	45.6 175,711	22.5 64,870,509
	1: No, not in the labor force	27.3 58,672,625	24.8 8,683,536	27.3 639,227	28.9 827,391	39.5 331,481	26.5 2,436,497	21.1 3,661,550	17.9 928,280	17.9 69,045	26.4 76,249,632
	2: Yes, in the labor force	52.2 112,376,969	47.7 16,700,945	46.9 1,098,894	52.5 1,501,079	49.6 415,891	51.5 4,726,097	48.5 8,407,444	36.9 1,910,473	36.5 140,886	51.1 147,278,678
	COL TOTAL	100.0 215,260,852	100.0 35,025,871	100.0 2,344,056	100.0 2,859,989	100.0 838,728	100.0 9,179,890	100.0 17,323,630	100.0 5,180,161	100.0 385,642	100.0 288,398,819

Users may also make use of the “Control” field and the “Selection Filter(s)” field to focus their analysis on the sub-population(s) of interest to them.

**SDA Frequencies/Crosstabulation Program**  
 Help: [General](#) / [Recoding Variables](#)

REQUIRED Variable names to specify  
**Row:**   
 OPTIONAL Variable names to specify  
**Column:**   
**Control:**   
**Selection Filter(s):**  Example: age(18-50)  
**Weight:**

**TABLE OPTIONS**  
**Percentaging:**  
 Column  Row  Total  
 with  decimal(s)  
 Statistics with  decimal(s)   
 Question text  Suppress table  
 Color coding  Show Z-statistic

**CHART OPTIONS**  
**Type of chart:** Stacked Bar Chart  
**Bar chart options:**  
 Orientation:  Vertical  Horizontal  
 Visual Effects:  2-D  3-D  
**Show Percents:**  Yes  
**Palette:**  Color  Grayscale  
**Size - width:**  **height:**

**Control:**   
**Selection Filter(s):**

By entering a variable name in the “Control” field, separate tables will be produced for each category of the control variable.

You may enter any of the variables in the “Selection Filter” field to limit your output to particular categories of the filter variable, which you must type in parentheses immediately following the variable name.

### Labor Force Status by Race for Males and Females aged 24-60

		Frequency Distribution									
		race									
		1	2	3	4	5	6	7	8	9	ROW TOTAL
		White	Black/Negro	American Indian or Alaska Native	Chinese	Japanese	Other Asian or Pacific Islander	Other race, nec	Two major races	Three or more major races	
labforce	0: N/A	20.5 44,211,258	27.5 9,641,390	25.8 605,935	18.6 531,519	10.9 91,356	22.0 2,017,296	30.3 5,254,636	45.2 2,341,408	45.6 175,711	22.5 64,870,509
	1: No, not in the labor force	27.3 58,672,625	24.8 8,683,536	27.3 639,227	28.9 827,391	39.5 331,481	26.5 2,436,497	21.1 3,661,550	17.9 928,280	17.9 69,045	26.4 76,249,632
	2: Yes, in the labor force	52.2 112,376,959	47.7 16,700,945	46.9 1,098,894	52.5 1,501,979	48.6 415,691	51.5 4,726,997	48.5 8,407,444	38.9 1,910,473	36.5 140,886	51.1 147,276,678
	COL TOTAL	100.0 215,260,652	100.0 35,025,871	100.0 2,344,056	100.0 2,859,989	100.0 838,728	100.0 9,179,890	100.0 17,323,630	100.0 5,180,161	100.0 385,642	100.0 288,398,819

Statistics for sex = 1(Male)				
		race		
		1	2	ROW TOTAL
		White	Black/Negro	
labforce	1: No, not in the labor force	11.7 6,462,524	19.0 1,463,293	12.6 7,925,817
	2: Yes, in the labor force	88.3 48,905,931	81.0 6,241,189	87.4 55,147,120
	COL TOTAL	100.0 55,368,455	100.0 7,704,482	100.0 63,072,937

Statistics for sex = 2(Female)				
		race		
		1	2	ROW TOTAL
		White	Black/Negro	
labforce	1: No, not in the labor force	26.7 14,907,693	24.3 2,313,465	26.3 17,221,158
	2: Yes, in the labor force	73.3 41,001,450	75.7 7,187,956	73.7 48,189,406
	COL TOTAL	100.0 55,909,143	100.0 9,501,421	100.0 65,410,564

For more information, click on the “Getting Started” button at the top of most Online Data Analysis web pages.