

StatCalc Overview

StatCalc starts by displaying the Statistical Tools module. There are also tabs for the Decision Tools module and the Output Viewer. Use the Statistical Tools module to select and run statistical analyses. The output from all procedures, including the Decision Tools module, is automatically appended to the Output Viewer log. Data entry differs depending on the statistical procedure selected. Some procedures display a spreadsheet while others provide data entry boxes. Procedures that display a spreadsheet also allow copying, pasting, and saving data.

Deselect to exclude a row from analysis.

Click to load example data.

Click to run procedure.

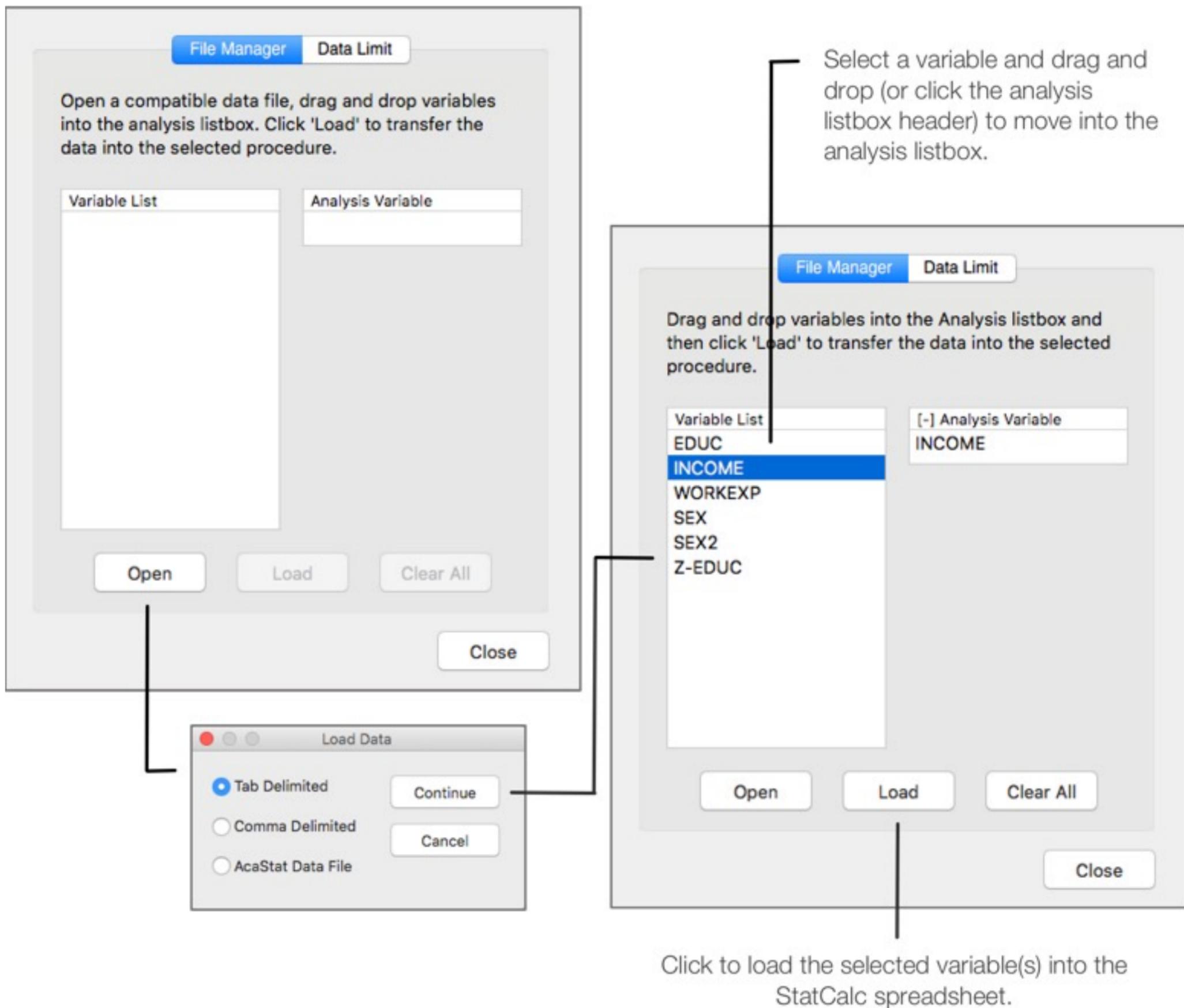
The screenshot shows the StatCalc application window. At the top, there is a menu bar with icons for New, Open, Save, Print, Copy, Paste, Glossary, Help, Example Data, and Calculate. Below the menu bar are three tabs: Statistical Tools (selected), Decision Tools, and Output Viewer. The main area is titled "Descriptive Statistics" and contains a "Procedures" list on the left and a data table in the center. The "Procedures" list includes: Frequencies, Descriptives (highlighted), Weighted Mean, Z-Score, CI-Means, CI-Proportions, Diagnostic Accuracy, Goodness of Fit, Chi-Square, Z-Test (One Sample), Z-Test (Two Sample), T-Test (One Sample), and T-Test (Two Sample). The data table has columns for Y/N, Obs, and Income. The Y/N column contains checkmarks for all rows. The Obs column contains numbers 1 through 16. The Income column contains values: 39000, 59000, 49000, 52000, 59000, 61000, 63000, and then blank cells for rows 8 through 16. To the right of the data table is a "Descriptive Results" section with the following statistics: Count (7), Sum (382000.0000), Mean (54571.4286), Median (52000.0000), Minimum (0.0000), Maximum (61000.0000), Range (61000.0000), Population Variance (61673469.3878), Sample Variance (71952380.9524), Population Std Dev (7853.2458), Sample Std Dev (8482.4749), and Standard Error (3206.0742). At the bottom of the window, there is a status bar that says "Ready- Results are available in the Output Viewer." and a Data Manager icon.

Enter or edit data.

Click to open Data Manager module.

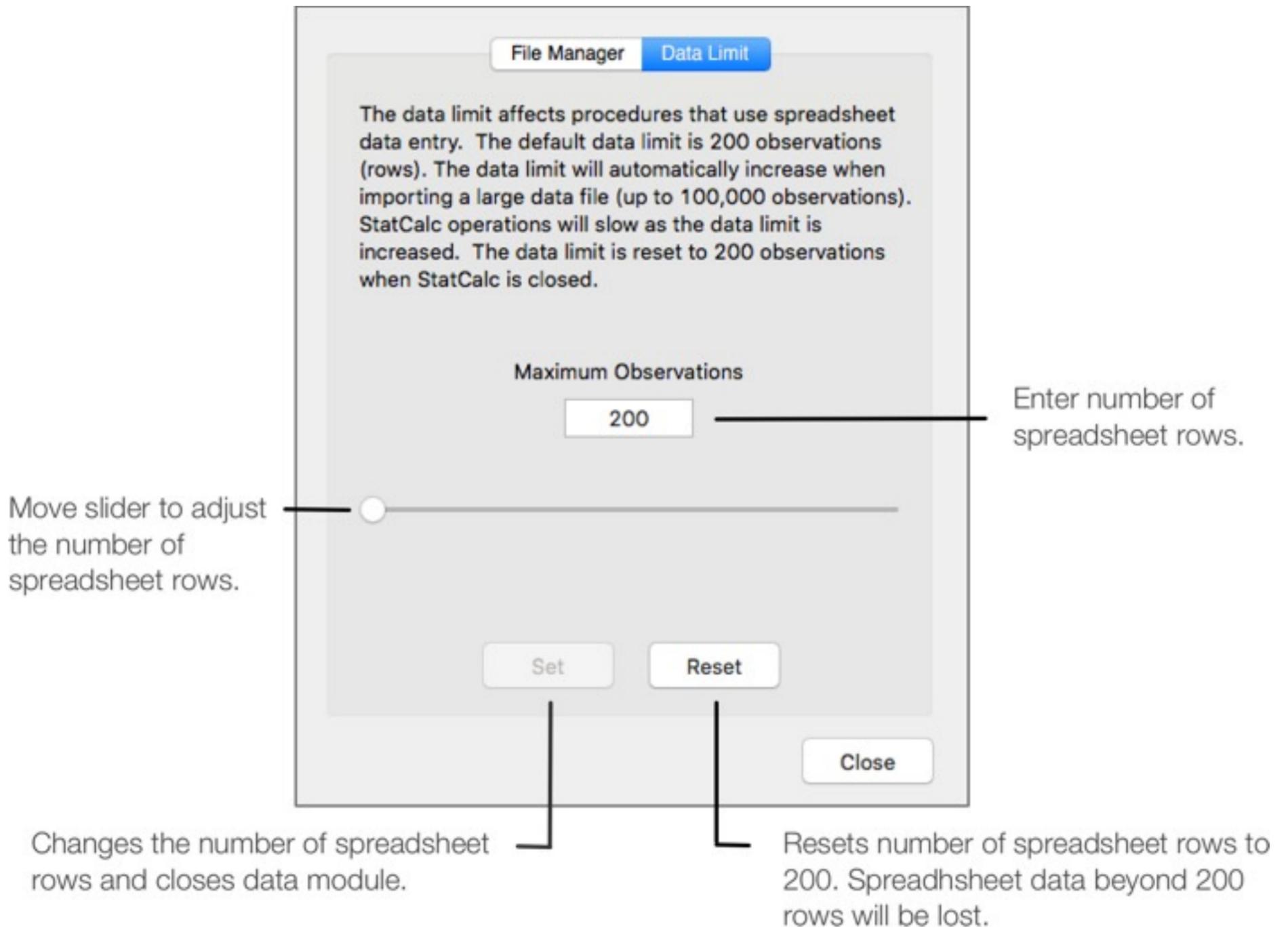
Data Manager Module

The Data Module is displayed by clicking the cube at the bottom right of the application or when a file is dragged into the spreadsheet. The Data Manager module contains two tabs: File Manager and Data Limit. File Manager allows the selection and opening of compatible data files (tab and comma delimited text files and AcaStat system files). Variable names from the first row of file will be displayed. Drag and drop these variables into the available analysis listboxes. The listbox format will change depending on the statistical procedure selected. Click “Load” to populate the spreadsheet. Data Manager will automatically close to display the statistical procedure. The imported data will be available for all compatible statistical procedures until the file is cleared from memory.



The Data Limit tab affects procedures that allow spreadsheet-like data entry. When importing data files larger than the default 200 observations, StatCalc will enlarge the spreadsheet to match the data. StatCalc operations will slow as the data limit is increased. When StatCalc is closed, it will

reset to the default . For data entry larger than 200 observations, use the Data Limit module to change the spreadsheet size.



Output Viewer

The Output Viewer displays the results of the analysis in a text window for editing and printing. Each time a statistical procedure is run, the results are automatically sent to the output log. Notes can be added to the output before printing or saving. The Output Viewer can open output saved by StatCalc, Clarity or AcaStat.

The Output Viewer uses a fixed font that ensures proper alignment of the tables (right click the output to view fixed font options) . When copying output to a word processor, the default font may not be fixed. This will result in tables that are out of alignment. To correct this, highlight the output in the word processor and change to a fixed font supported by your operating system. Common fixed fonts are Courier, Consolas, Menlo, and Monaco. The font size may also need to be reduced to ensure the output fits widthwise on one page.

Select a log entry to view output.

Saved output can be opened in StatCalc or a word processor.

StatCalc

New Open Save Print Copy Paste Glossary Help Example Data Calculate

Statistical Tools Decision Tools **Output Viewer**

Output Log

- Frequencies**
- Descriptives
- Mean CI
- Chi-Square
- Correlation

Frequencies
Variable: JobCat

Value	Count	Percent	Cumulative
Clerk	8	22.86	22.86
Manager	4	11.43	34.29
Mechanic	3	8.57	42.86
Technician	20	57.14	100.00

Total	35		
Value Count	4		

Goodness-of-Fit

	Value	DF	p <
One-Sample Chi-square	20.886	3	0.0001

Note: Frequency Expected = 8.75

Pareto Sort

	Count		Cumulative
Technician	20		57.14
Clerk	8		80.00
Manager	4		91.43
Mechanic	3		100.00

Right click to change font and view other menu options.

Help Module

The Help Module displays links to an overview of application operations, help topics, a statistics glossary, and annotated statistical output.

