

ANALYST: About SAS Analyst

The Analyst application is a data analysis tool designed to provide easy access to basic statistical analyses. The application is intended for students and novice SAS users as well as for researchers and analysts who are already familiar with the SAS System.

The interface includes a wide range of analytical and graphical tasks. You can compute descriptive statistics, perform simple hypothesis tests, and fit models with analysis of variance and regression analysis. There are also tasks for survival analysis, mixed models, repeated measurements analysis, and some multivariate techniques. The application also provides some tasks not covered by SAS procedures, such as some hypothesis tests and basic sample size and power computations. Graphics are included in most analytical tasks, and you can request many types of graphs directly.

There are many ways to input the data you want to analyze. You can input existing SAS data sets, open data from non-SAS sources, or type in the values yourself. The data are displayed in a *data table* in which columns correspond to variables and rows correspond to observations or cases. You can edit individual elements in the data table, and you can create new variables. You can access the tasks from pull-down menus, a customizable toolbar, or an index of commonly-used terms.

The analysis results and plots are presented in separate windows, and all of this output is managed in a *project tree*, which can contain the results for several different data sets. Results are presented as *nodes* in this tree, and you can perform operations such as collapsing and expanding nodes, deleting nodes, or printing node results.

The tasks are performed with combinations of SAS procedures and DATA step programming. The actual code submitted is available as a node in the project tree. The code may be useful for those users wanting an audit trail or interested in learning SAS programming or for use in their own programs.

ANALYST: Getting Started with Analyst

Starting Analyst

Start the Analyst application by selecting **Analysis** from the **Solutions** menu and then selecting **Analyst** [**Solutions** ÷ **Analysis** ÷ **Analyst**]. You can also start Analyst from within SAS by typing "analyst" at the command prompt. You can display only the Analyst application when you invoke SAS by using the -initcmd analyst option.

The Analyst Environment

This is the MENU BAR

This is the TOOL BAR

