

Top 5 statistical analysis software



Statistical analysis software allows users to easily perform their statistical analysis like an expert. In performing statistical analysis calculations, in addition to problems such as high costs and time consuming, the possibility of errors in statistical analysis calculations is another problem. Due to these problems, a statistical analysis software can be used to analyze your data and calculations.

Data analysis is performed at simple to advanced levels, which, despite the use of [statistical analysis tools](#), make data analysis at these levels very easy for the user.

But keep in mind that each of them has its own characteristics as a statistical analysis software. For example, working with some of them is very simple and with others it is very complicated. For people who are looking to use statistical analysis software, excellence in these features can definitely be a criterion for choosing them.

In the meantime, an online statistical analysis software such as [Bigpro1 online statistical analysis tool](#) can perform statistical analysis calculations in an instant by taking your data online.

1- Bigpro statistical analysis platform

Bigpro1 makes **online statistical analysis** easily.

In Bigpro1, statistical analysis can be performed in the simplest way by accessing the statistical analysis dashboard and then entering the data and selecting the desired **statistical analysis algorithms**.

One of the salient benefit of the Bigpro1 **statistical analysis tool** is its low cost. Since online statistical analysis, even with statistical analysis software such as SPSS, requires knowledge and statistical experience and knowledge of working with the software itself; Well, in this case, the user must either spend time and strengthen his work with software and statistics, or spend his money, project analysis and data to statistical institutes.

In Bigpro1, a very simple dashboard is provided for users without the need for specialized knowledge of working with **statistical analysis tools**. So you no longer need to spend a lot of time and money. You will also have easy access to other tools in the field of artificial intelligence and modeling.

The screenshot displays the BigPro1 web interface. At the top, the user 'maedeh bastami (Regular)' is logged in, with an 'Upgrade Account' button and the 'BIGPRO' logo. The page title is 'Statistical Home'. On the left sidebar, there are navigation links for 'Determining Dashboard', 'Questionnaire and Data Gathering', 'My Processes', 'My Datasets', 'Medical Informatics Dashboard', 'User Panel', and 'Need Consultation'. The main content area features a 'Statistical Process Type' section with buttons for 'Show File Info', 'Variable Description', 'NonParametric Tests', 'Parametric Tests', 'Accuracy Test', 'Correlation Check', 'Correlation Coefficients Analysis', and 'Covariance Analysis'. A 'File Info' section shows details for a file named 'heart': File Name: heart, Number Of Columns: 14, Number Of Rows: 303, NonNumerical Columns No: 0, Numerical Columns No: 14. Below this are sections for 'Qualitative Columns' (sex, fbs, restecg, exang, slope, target) and 'Quantitative Columns' (age, cp, estbps, thalach, oldpeak). A large 'BigPro1' logo with a brain and bar chart icon is overlaid on the bottom right.

2- SPSS statistical analysis software

SPSS stands for Sciences Statistical Package for the Social and is one of the **statistical calculation tools**. This software was introduced by IBM for data analysis and is in fact a scientific statistical package for social sciences or social sciences.

SPSS statistical software does not require learning the programming language, but it does take time to learn and master the software itself.

SPSS software is one of the software in the field of statistical analysis, which in addition to **statistical analysis**, data management and data mining is also a feature of this software.



To perform calculations with SPSS, we must first enter the collected data into the program, and after defining the properties, go to the processing and troubleshooting errors that occur when collecting data and transferring it to the software.

In addition to these advantages, **SPSS statistical analysis software** also has disadvantages; For example, it is costly, its syntax is limited, in some cases, it is almost slow to learn new technologies, and it is also unable to manage a large amount of data.

3- Eviews statistical analysis software

Eviews **statistical analysis software** is a statistical package for Windows that is mainly used for time series econometric analysis and is provided by IHC.

Eviews, like the Bigpro1, provides access to powerful statistical tools, time series, forecasting and modeling through an easy-to-use, creative, object-oriented interface.

In addition to statistical analysis, this software performs modeling with an intuitive interface and a set of tools. Eviews software is also a **statistical analysis software** that is not very difficult to learn. Graphs are of high quality in this software. Eviews supports large 64-bit Windows memory and includes linking, object embedding (OLE) and smart editing windows.



EViews

4- SAS statistical analysis software

Statistical Analysis System (SAS) is a software for statistical data analysis and is mostly used in industry.

SAS has a suite for advanced analytics, business intelligence, data management and predictive analytics. This **statistical analysis tool** was first used to analyze large amounts of agricultural data.

SAS is, in fact, a programming language that processes large amounts of high quality production code for a variety of purposes.

Most statistical analytics in SAS do not require a thorough knowledge of the tool, but it will be necessary to know some of the program structures in it and how it works to write efficient programs.

* You should know that **SAS software** is costly.

* You also have to write the code for the options that are not included in the user interface.

5- Statistical analysis software R

R statistical analysis software was released after **S PLUS** statistical language in the field of statistical analysis. R software is free and comes in different packages for different purposes. This diversity in the existence of packages for analysis has caused this statistical analysis tool to be considered by researchers. This software is much more powerful than other **statistical analysis software** such as **SPSS** due to its special capabilities and features.

The main difference between this language and **S PLUS** is that although it was written based on **S PLUS**, the **S PLUS** version was very expensive and therefore R was written at a lower cost for educational purposes.



Conclusion:

There are many softwares for **statistical analysis** that we could only introduce some of the best **statistical analysis softwares** in this article. All these softwares have advantages and disadvantages; Among the common disadvantages of many of these

softwares is the high cost and time consuming analysis with them, due to the need to learn to use statistical analysis software. Finally, we offer you the best software.

Bigpro1 [statistical analysis software](#) and tools that are available both online and under the desktop version; In addition to easy access to **online statistical analysis tools**, support for all algorithms used in other tools, ease of use of the software and no need for professional statistical knowledge; It is also very low cost.

To use this statistical analysis software, log in to the [Bigpro1 dashboard](#).