

MedCalc features

Data management

- [Integrated spreadsheet](#) with 1048576 rows and 16384 columns.
- Correct handling of missing data.
- [Outliers can easily be excluded](#).
- Built-in WYSIWYG text editor.
- Imports Excel, Excel 2007, SPSS, DBase and Lotus files, and files in SYLK, DIF or plain text format.
- Easy selection of subgroups for statistical analysis.

MedCalc Documentation

- Comprehensive context-sensitive help.
- Complete HTML [manual](#) on MedCalc web site.
- Context help in dialog boxes.
- [Paperback manual](#).

Statistical features

See [list of statistical procedures](#).

ROC curve analysis

MedCalc is the reference software for [ROC curve analysis](#). Our ROC curve analysis module includes:

- Area Under the Curve (AUC) with standard error, 95% confidence interval, P-value. Offers choice between methodology of DeLong et al. (1988) and Hanley & McNeil (1982, 1983).
- List of sensitivity, specificity, likelihood ratios, and positive and negative predictive values for all possible threshold values.
- ROC curve graph with 95% Confidence Bounds.
- Threshold values can be selected in an [interactive dot diagram](#) with automatic calculation of corresponding sensitivity and specificity.
- [Plot of sensitivity and specificity, or cost, versus criterion values](#).
- [Plot of predictive values versus prevalence](#).
- [Interval likelihood ratios](#).
- [Comparison of up to 6 ROC curves](#): difference between the areas under the ROC curves, with standard error, 95% confidence interval and P-value.
- Sample size calculation for [area under ROC curve](#) and [comparison of ROC curves](#).

Go to the [ROC curve analysis](#) section of the MedCalc manual for more information on ROC curve analysis in MedCalc.

Graphs

- Lots of graphs, see [Graph gallery](#).
- [Data point identification in graphs](#).
- [Draw text boxes, lines, arrows and connectors](#).
- [Name, save and recall graphs and statistics](#).
- [Statistical info in graph windows](#).
- Save graphs as SVG, PNG, JPG, GIF, BMP, PCX, or high resolution TIF files, or as PowerPoint slides (*.pptx).

Accessibility

- See [Software accessibility](#)

System requirements

- PC with Windows Vista, Windows 7, 8, 8.1, 10 or 11; or Windows Server 2008 or more recent (all 32-bit and 64-bit)

versions supported).

- On Windows versions prior to Windows 8, support for Excel *.xlsx files additionally requires [Microsoft .NET Framework 4.0](#)  (a free download from Microsoft).
- 2048 Mb of memory.
- 60 Mb free space on the hard disk.
- To run MedCalc on a Mac, a Windows emulator is necessary such as [Parallels](#) or use [Bootcamp](#).

<https://www.medcalc.org/features/>

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