



SIMFIT is a free OpenSource package for simulation, curve fitting, statistics, and plotting, using built-in models or user-defined equations.

SIMFIT can be used in such disciplines as :

biology (*nonlinear growth curves*);
ecology (*Bray-Curtis dendrograms*);
psychology (*factor analysis*);
physiology (*membrane transport*);
pharmacology (*dose response curves*);
pharmacy (*pharmacokinetics*);
immunology (*ligand binding*);
biochemistry (*calibration*);
biophysics (*enzyme kinetics*);
epidemiology (*survival analysis*);
medical statistics (*meta analysis*);
chemistry (*chemical kinetics*);
physics (*dynamical systems*); or
mathematics (*numerical analysis*).

Clipboard data and spreadsheet export files can be analyzed, and macros to interface with Microsoft Office are provided.

To facilitate the use of SIMFIT for educational purposes, every procedure that is selected can be initialized with default data sets so that inexperienced users can see the analysis of appropriate data before submitting their own data for analysis.



SIMFIT was developed at Manchester University, and can be downloaded from the website at <http://www.simfit.org.uk>.



SIMFIT is compiled using the Silverfrost FTN95 compiler, and development of the Windows version was assisted by their programmers.



SIMDEM is a package demonstrating how to use the SIMFIT GUI to write Windows programs based on the Silverfrost Clearwin+ system.



The free version of SIMFIT was developed from a NAG-only version, but the the NAG library can be used instead of the SIMFIT library for extra functionality.