

CANOCO 4.5

NEW CANODRAW

Version 4.5 of CANOCO is bundled with a full Windows version of CanoDraw, simplifying the production of publication-quality graphics for Canoco data sets of any size. CanoDraw now also includes modern regression tools (GLM and GAM) for modelling species response to the environment or to ordination axes. 🍌

NEW ANALYSES

New is the program PrCoord which allows you to perform Principal Coordinates

some spreadsheet programs. This nicely complements the data input from spreadsheets and other programs via the Windows Clipboard using WCanolmp, familiar from Canoco 4. CanoMerge has two extra facilities: it allows you to delete rare species from a data set and it can transform a Canoco formatted file to a TAB-delimited file that can be imported in spreadsheet programs. 🍌

SYSTEM REQUIREMENTS

Canoco 4.5 requires Microsoft Windows 98 or NT 4.0 or

any size Canoco 4.5 can analyze. 🍌

ON THE MACINTOSH

Canoco for Windows also runs under the emulated Windows environments provided by Soft Windows™ and Virtual PC under both Mac OS 9 and OS X. Performance is acceptable in these environments, including transfer of data to and from the Windows Clipboard. For example, you can copy data from an Excel spreadsheet on the Mac and convert the clipboard to a CANOCO data file with WCanolmp after switching to the emulated PC. 🍌

Unimodal models remains unchanged from Canoco 4 and is not included with upgrades. 🍌

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(**Boldface items new in Canoco 4.5 Manual**)

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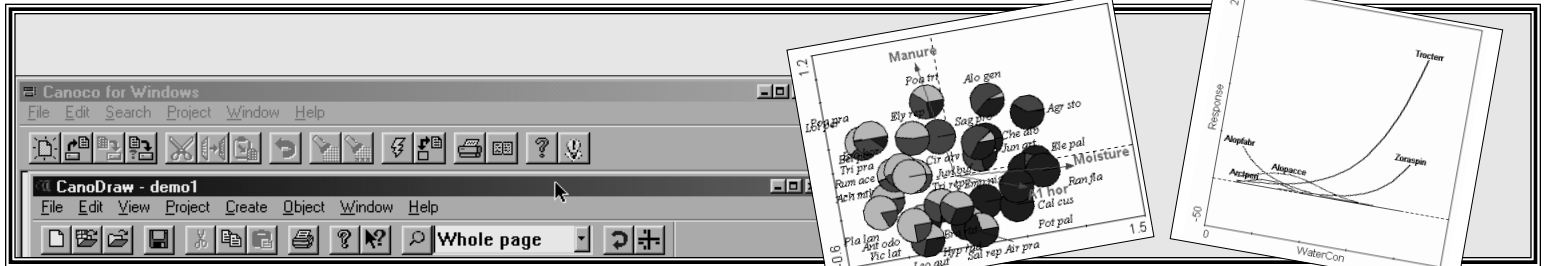
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Analysis and distance-based Redundancy Analysis. As in Canoco 4, permutation tests include tests for split-plot designs and related multi-level designs. New numerics result in faster execution and higher precision, important for large data sets and more accurate significance testing. 🍌

NEW TOOLS

The Canoco 4.5 package includes the new program CanoMerge to easily merge data sets compiled from multiple spreadsheets, working around the common 255-column limit of

later versions, including ME, 2000, XP, Vista and Windows 7. You must also have at least 32 MB of internal RAM memory and 64MB of free disk space for virtual memory. The maximum data size that can be analyzed is:

25 000	samples (n)
5000	species (m)
2000	covariables (p)
1000	environmental variables (q)

Maximum number of nonzero values in species data is 750 000, maximum value for p*n is 1 000 000, maximum value for (q - 8)*n is 500 000. CanoDraw can visualize results from data sets of

NEW MANUAL

Cajo ter Braak and Petr Smilauer have rewritten portions of the manual for this release to describe the Windows version of CanoDraw and new capabilities of the package. The booklet, *Unimodal models to relate species to environment*, is included with the package. These collected articles from peer-reviewed journals represent a wide array of CANOCO applications. By special arrangement with the original authors, the underlying data sets are included for examination and study.

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ORDERING INFORMATION

Please see the order form at right.
 If you own a version of Canoco prior to Canoco 4 for Windows, put your old serial number on the order form to earn a 15% discount on purchase of a new license.
 E-Mail, FAX and Phone Orders accepted.

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 (Offer expires 19 May 2012)

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