

New Tools & Utilities in P8

- **New default colour palette** - The new colour palette for PRIMER graphics ensures distinctive colours by default that carefully accommodate several different forms of colour-blindness.
- **New selection options** - Select subsets of variables and/or samples by names (using special filters) or numbers, or according to your own rules regarding zero or missing values, frequencies of occurrence, percent contributions to abundances overall or in any one sample, and more.
- **Re-name levels of a factor (or indicator)** - Rapidly duplicate factors (or indicators) and re-name the levels (groups) for that factor (or indicator).
- **Add customised values/labels to graphical axes** - Customise your graphics with more tools for modifying X and Y axes. You can show bespoke additional values/labels on your axes and/or change the label orientation.
- **Split data sheet by factor/indicator** - Split a single data sheet into multiple sheets based on a factor or indicator of your choice.
- **New facility in line plots** - Draw line plots either: (i) of individual samples (across variables); or (ii) of individual variables (across samples).
- **Output group-level stats from dispersion (or variability) weighting** - Output the individual group-level statistics calculated for the pre-treatment options of dispersion (or variability) weighting.
- **Output diagnostic plots from CAP** - Models produced using canonical analysis of principal coordinates (CAP) require investigation of leave-one-out diagnostics for different chosen values of m (= the number of PCO axes used for the model). In P8, all of these diagnostics are now produced in plots for direct visual inspection.
- **New diagnostics for PCA/PCO plots** - In P8, you can now assess how well a PCA or PCO plot represents the original inter-sample distances or dissimilarities through a Shepard digram and an associated calculation of stress.