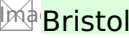











# Understanding the Explorer tree

Understanding the Explorer tree, however, is the key to managing your work pattern in PRIMER. In the above workspace, click on the successive entries. After the workspace name () two data matrices have clearly been opened into the workspace,  (a repeat of the salinity information for each site but in the form of a separate environmental matrix, rather than a factor of the zooplankton array – this will be useful later when displaying bubble plots of salinity on an MDS plot), and the community data . A fourth-root transform has been taken, indicated in the  results window, giving . The similarity calculation follows:  shows that this was Bray-Curtis, calculated for all samples using all species, to give the triangular resemblance sheet – by default this would be *Resem1* but has been renamed (e.g. by clicking twice on the name) to . Renaming important windows in this way is always a useful aid to navigating around a large workspace (and more of this should probably have been carried out in the current example!). The agglomerative (Group Average) cluster analysis generates the  results window and the dendrogram plot, , the number indicating that two other graphs were produced before this (in an analysis from Section 6, under  lower down the Explorer tree, on a branch stemming back to the transformed *Data1* sheet rather than from the Bray-Curtis similarity matrix). Note that all these steps, which create a derived sheet or plot file, possess an intervening results window. This is what distinguishes operations on the **Pre-treatment**, **Analyse**, **Plots** and **Tools** menus (and **PERMANOVA+**, if installed) from those under **File**, **Edit** or **Select**. The latter do not produce new, derived sheets or intervening results windows, but make changes (temporary or permanent) to the currently active sheet.

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Revision #3

Created 20 June 2024 23:22:07 by Arden

Updated 22 January 2025 00:47:02 by Abby Miller