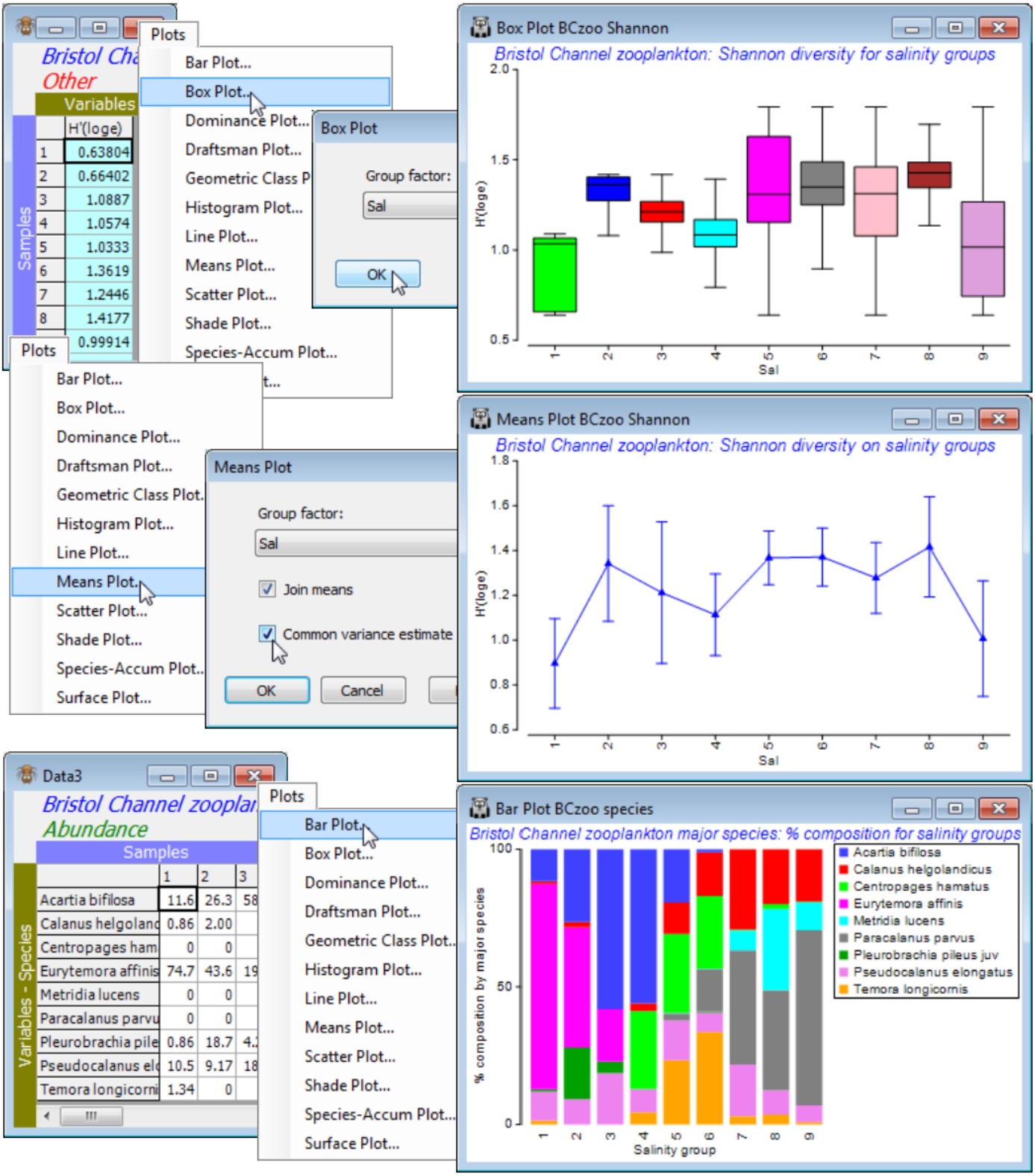
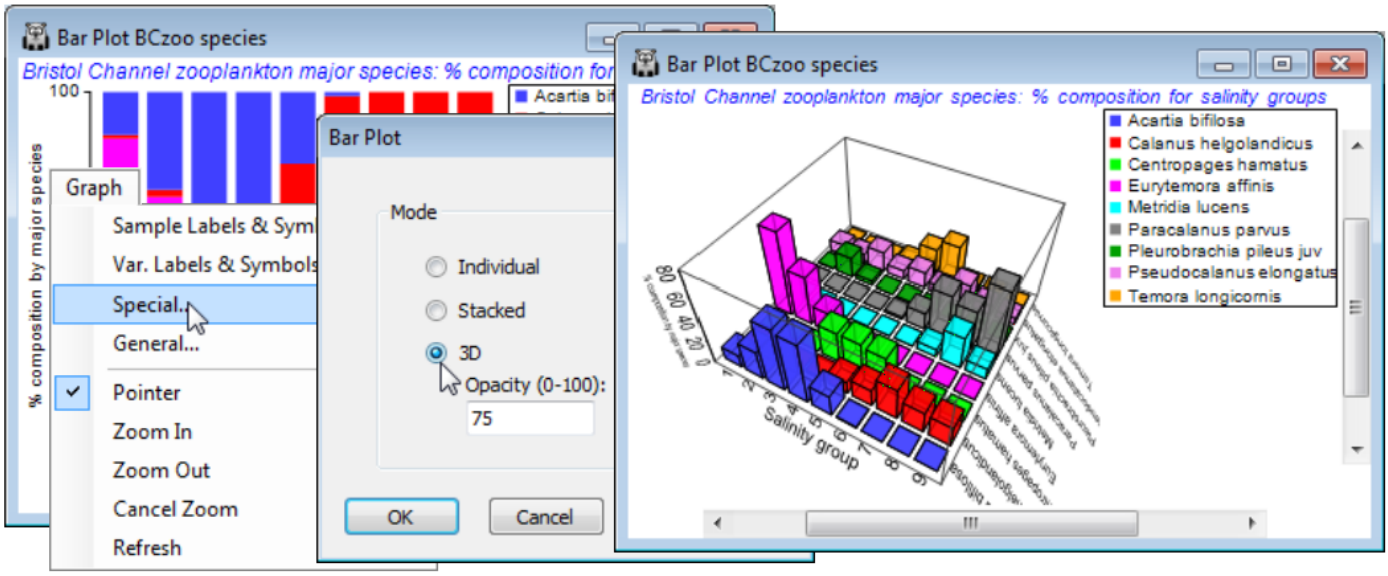
Plots menu

PRIMER 7 has a new **Plots** main menu, available when the active window is a data matrix. This brings together a number of standard plot formats, and more specialised ones, relevant to a range of multivariate analyses. Some are similar or identical to those in PRIMER 6, e.g. **Plots>Dominance Plot**, **Geometric Class Plot** and **Species-Accum Plot** (Section 16), and **Draftsman Plot** (already seen in Section 4 and again in Section 13). Others are new to PRIMER 7: the **Histogram Plot** was seen earlier (Section 4), as were **Scatter Plot** (Section 5) and **Surface Plot** (end of Section 4 and in Section 5). A significant new feature in PRIMER 7, the specialised **Shade Plot**, was introduced in Section 4 as a means to aid pre-treatment choice and is discussed in more detail in Section 10, in the context of interpreting species patterns across samples. There is a similar context for **Line Plot**, in the form of a multi-plot created by **Wizards>Coherence plots**, seen in Section 10, and the other three plot types in this menu are also standard graphic constructions: a **Bar Plot** can show relative composition of different species in each of a set of (averaged) samples, and **Box Plot** and **Means Plot** (Section 15) provide standard univariate tools pre- and post-hypothesis testing for a one-way layout, e.g. the latter giving confidence intervals for *effect sizes* (generalised to multivariate data by the *bootstrap region plots* of Section 17, under **Analyse>Bootstrap Averages** on resemblances).

The **Plots** menu items are mainly exemplified in the analysis sections in which they are most likely to be useful, but three of the standard graphic displays are given below for the Bristol Channel data.


Bristol Cha
Other
Variables
Samples
H'(loge)
1 0.63804
2 0.66402
3 1.0887
4 1.0574
5 1.0333
6 1.3619
7 1.2446
8 1.4177
0.99914
Plots
Bar Plot...
Box Plot...
Dominance Plot...
Draftsman Plot...
Geometric Class P
Histogram Plot...
Line Plot...
Means Plot...
Scatter Plot...
Shade Plot...
Species-Accum Plot...
Box Plot
Group factor:
Sal
OK
Box Plot BCzoo Shannon
Bristol Channel zooplankton: Shannon diversity for salinity groups
H'(loge)
Sal
Plots
Bar Plot...
Box Plot...
Dominance Plot...
Draftsman Plot...
Geometric Class Plot.
Histogram Plot...
Line Plot...
Means Plot...
Scatter Plot...
Shade Plot...
Species-Accum Plot...
Surface Plot...
Means Plot
Group factor:
Sal
Join means
Common variance estimate
OK
Cancel
Means Plot BCzoo Shannon
Bristol Channel zooplankton: Shannon diversity on salinity groups
H'(loge)
Sal
Data3
Bristol Channel zooplar
Abundance
Samples
Variables - Species
1 2 3
Acartia bifilosa 11.6 26.3 58
Calanus helgolanc 0.86 2.00
Centropages ham 0 0
Eurytemora affinis 74.7 43.6 19
Metridia lucens 0 0
Paracalanus parvu 0 0
Pleurobrachia pile 0.86 18.7 4.
Pseudocalanus el 10.5 9.17 18
Temora longicorni 1.34 0
Plots
Bar Plot...
Box Plot...
Dominance Plot...
Draftsman Plot...
Geometric Class Plot...
Histogram Plot...
Line Plot...
Means Plot...
Scatter Plot...
Shade Plot...
Species-Accum Plot...
Surface Plot...
Bar Plot BCzoo species
Bristol Channel zooplankton major species: % composition for salinity groups
% composition by major species
Salinity group
Acartia bifilosa
Calanus helgolandicus
Centropages hamatus
Eurytemora affinis
Metridia lucens
Paracalanus parvus
Pleurobrachia pileus juv
Pseudocalanus elongatus
Temora longicornis



Save and close the Bristol Channel workspace, Bristol Channel ws.

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