

15.6 Line plots for samples

There is a new facility in PRIMER 8 to create **Line plots** in two different ways:

- with one line for every *variable* (across all samples); or
- with one line for every *sample* (across all variables).

This is a considerable improvement on the line plot dialog in PRIMER 7, which only could be implemented to draw lines for variables (Fig. 15.6).

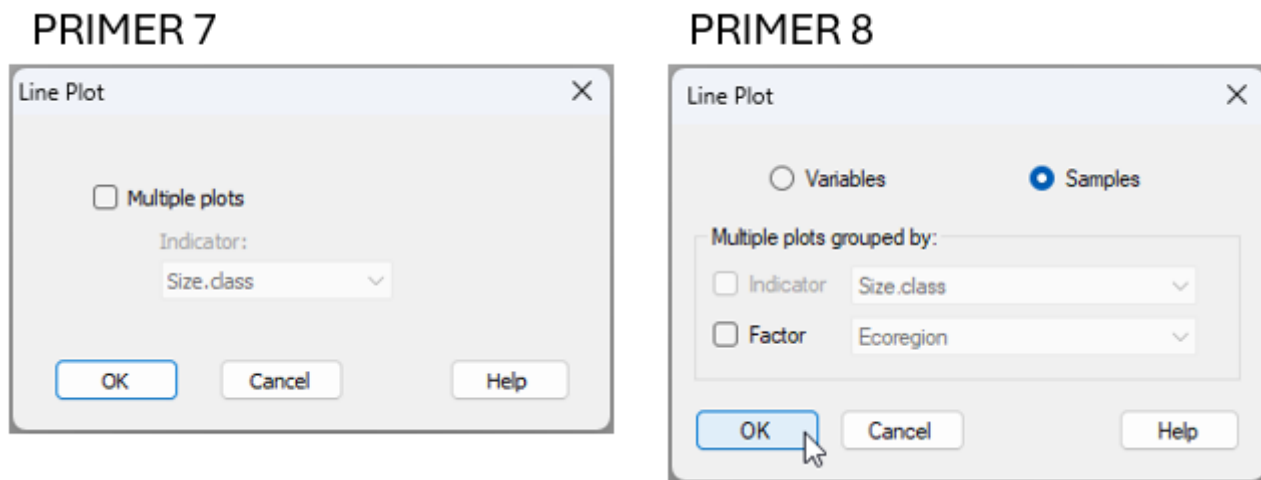
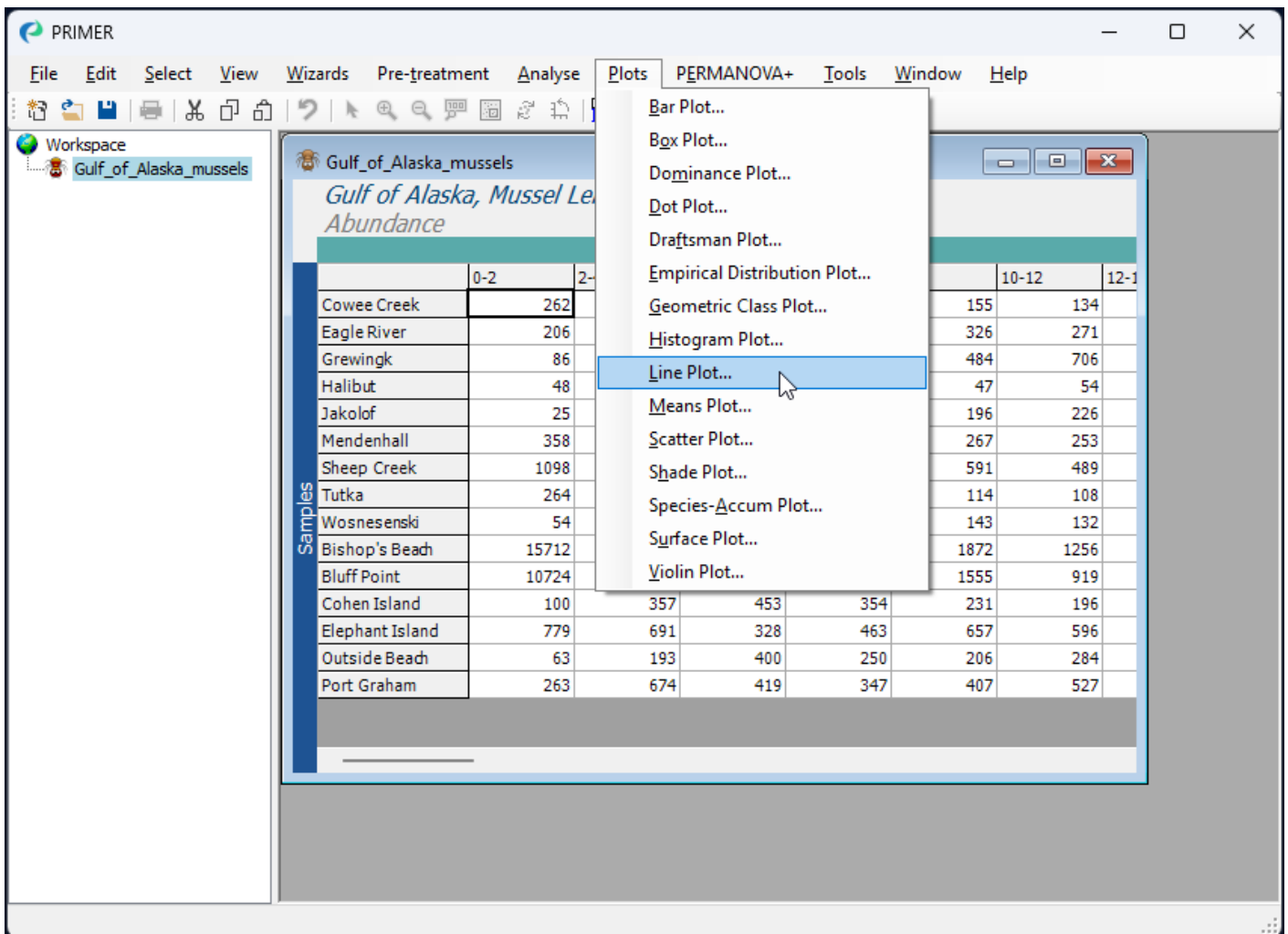


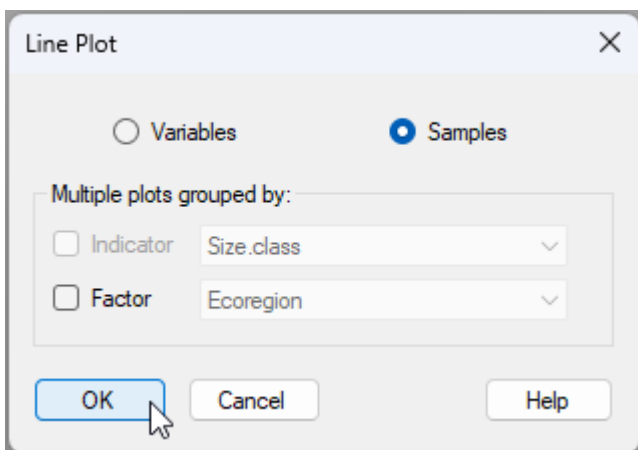
Fig. 15.6 Comparison of the Plots > Line Plot... dialog window in PRIMER 7 (at left) vs PRIMER 8 (at right).

We saw this tool earlier in [section 13.3](#), in the analysis of mussel size-classes at different sites in the Gulf of Alaska (the data file is called 'Gulf_of_Alaska_mussels.pri', located in the folder 'Examples_P8' > 'Gulf_of_Alaska_mussels').

From the mussel data sheet, after standardising the original raw count data to [cumulative percentages](#) (the variables are the sizes classes here), resulting in a sheet called 'Data1', we can choose to create a line plot with a line for each sample (the sites here) by clicking **Plots > Line Plot...**, like so:

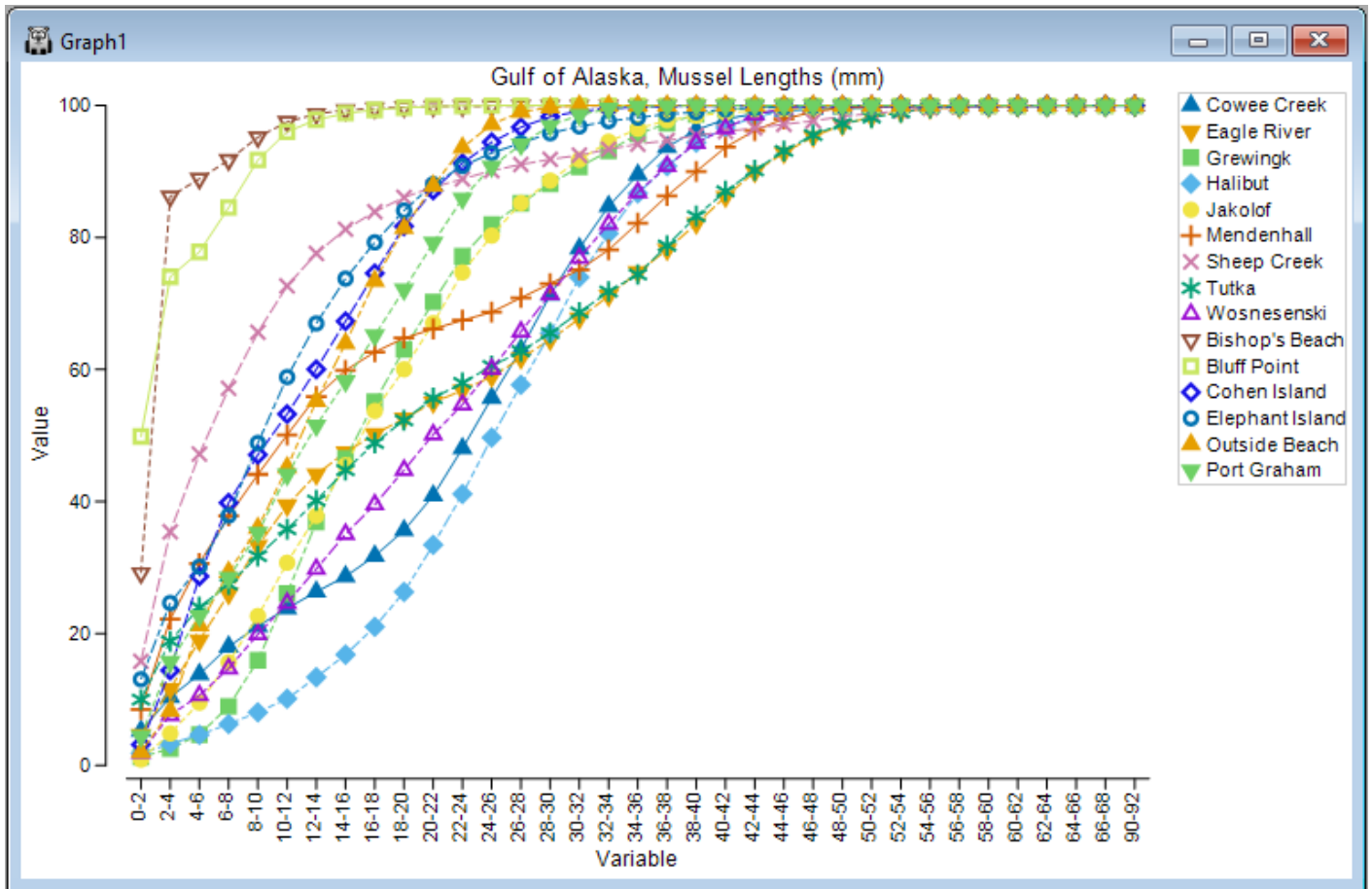


In the 'Line Plot' dialog window, we simply choose to view lines for the (• Samples), and then click 'OK'.



Note: change the above dialog if the wording changes Note in the above dialog that we also have the option to output *multiple line plots* corresponding to groups of samples identified via a factor (or groups of variables identified by an indicator, if we are drawing lines for variables).

The resulting line plot for this example is shown below:



Revision #10

Created 19 July 2025 04:44:47 by Marti

Updated 1 February 2026 20:25:51 by Marti