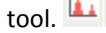


Creating Histogram Overlays with IDEAS

Overlays of populations within a single file

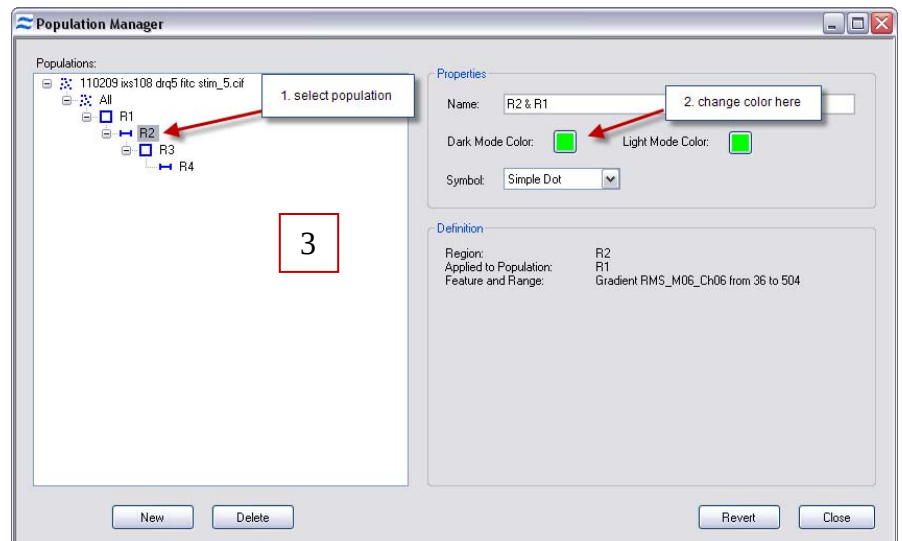
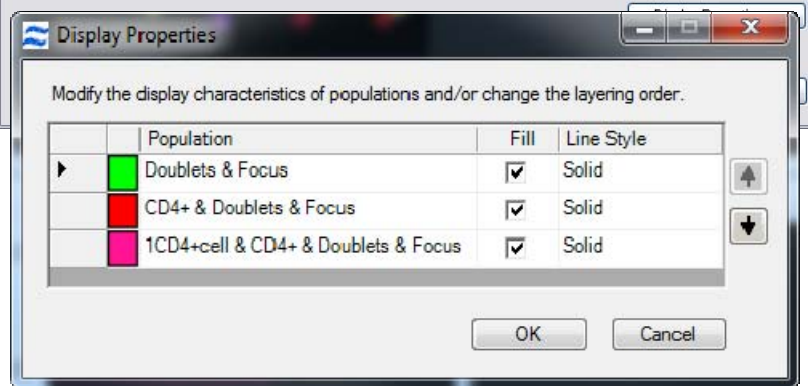
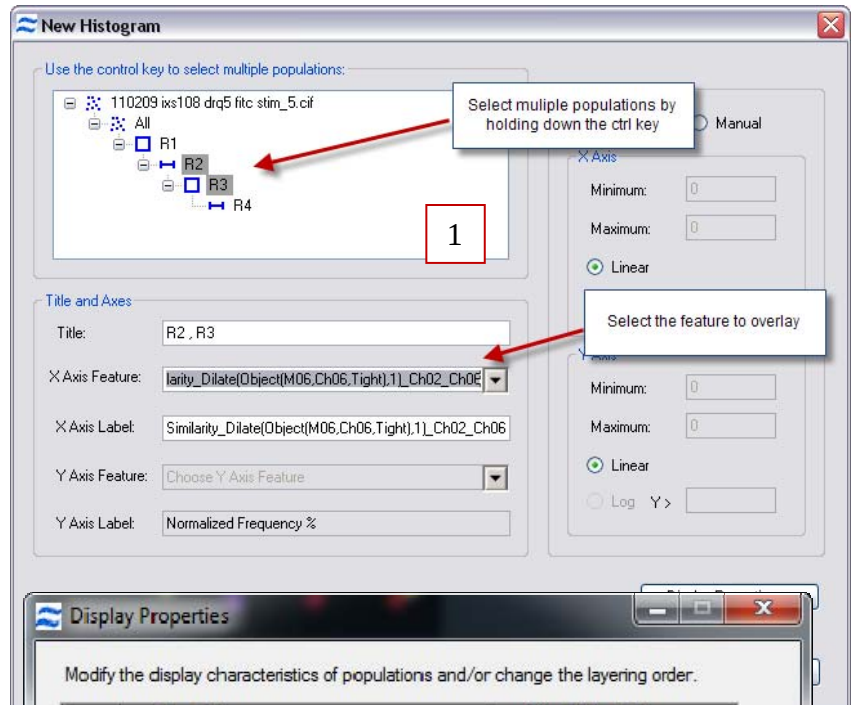
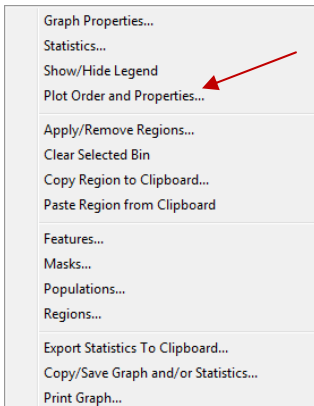
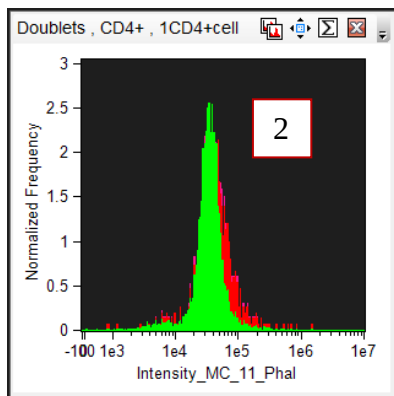
1. Open a new histogram with the histogram



tool. Select the populations you want to overlay while holding down the **ctrl** key. Select the feature to overlay and click OK.

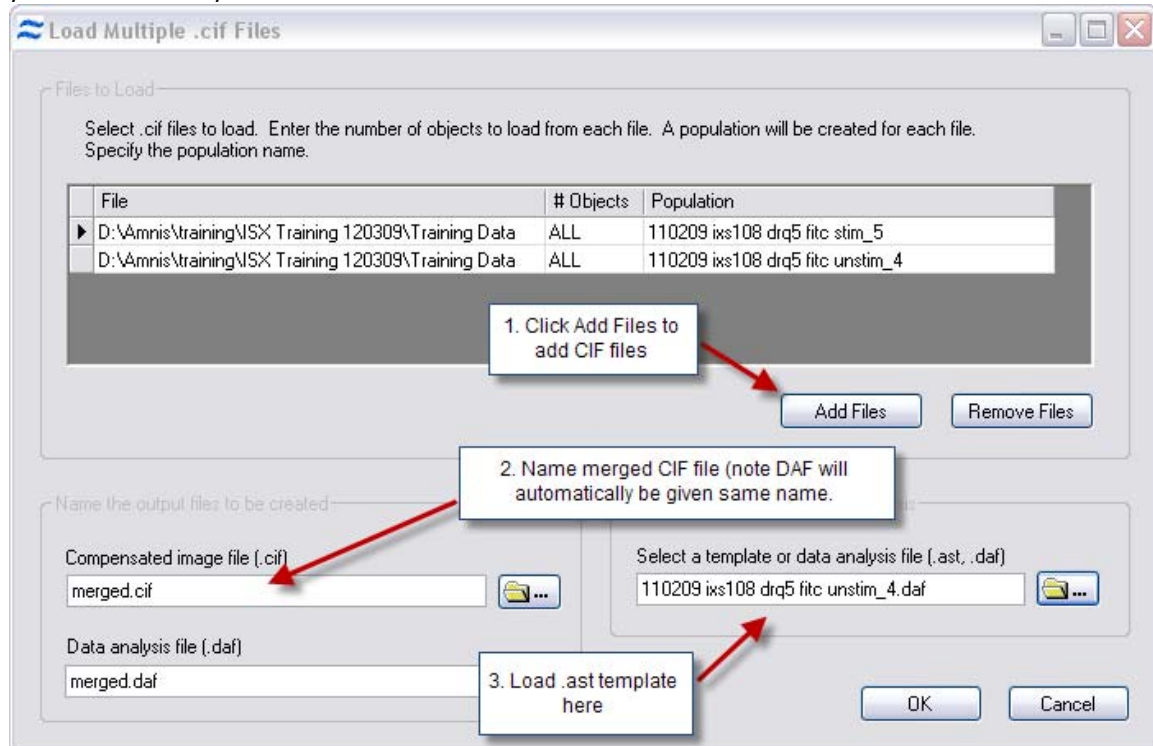
2. Right-Click on the graph and choose the option 'Plot order and properties'. This opens a window with a list of the populations and options to change whether the histograms are filled or open. Open histograms are recommended since they are easier to see when overlaid.

3. If necessary open the **Population manager** and individually change the color of each population.



Overlays of populations from different IDEAS files

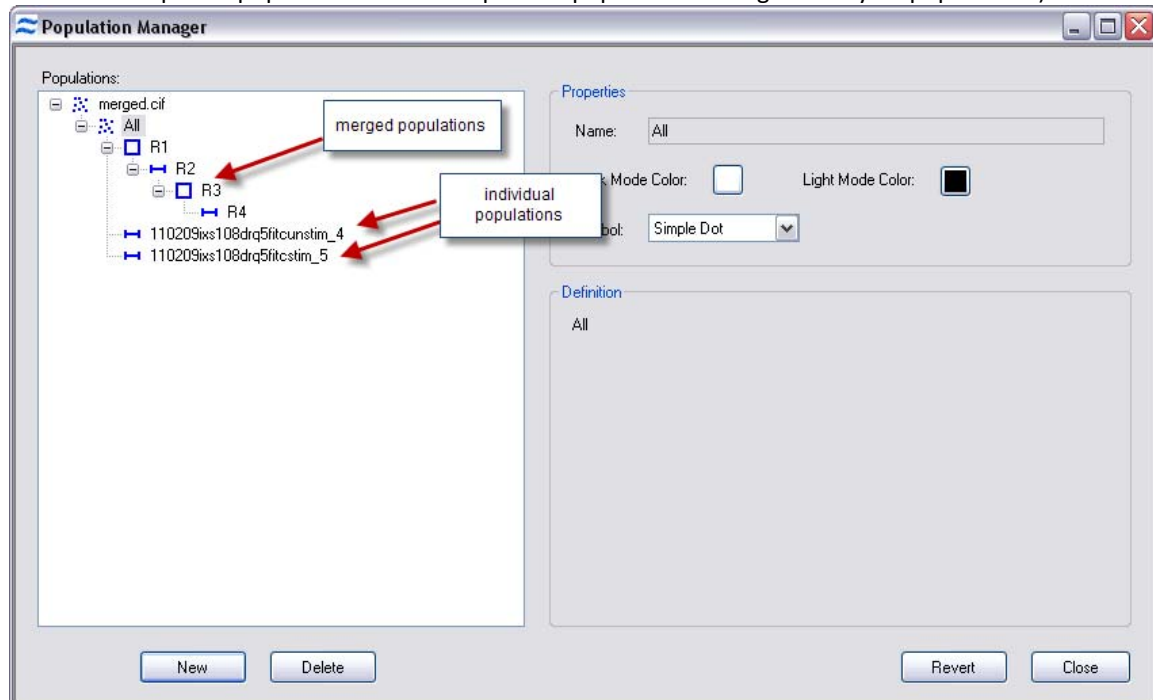
1) Select **Merge CIF files** from the Tools menu. Click **Add Files** and select the files with the populations you want to overlay.



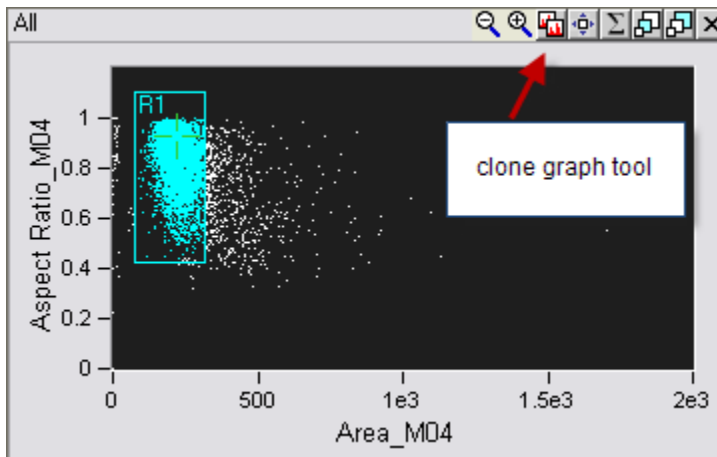
2) Name the merged CIF file (the DAF will automatically be given the same name).

3) Select either an analysis template or DAF containing the analysis template you want to use.

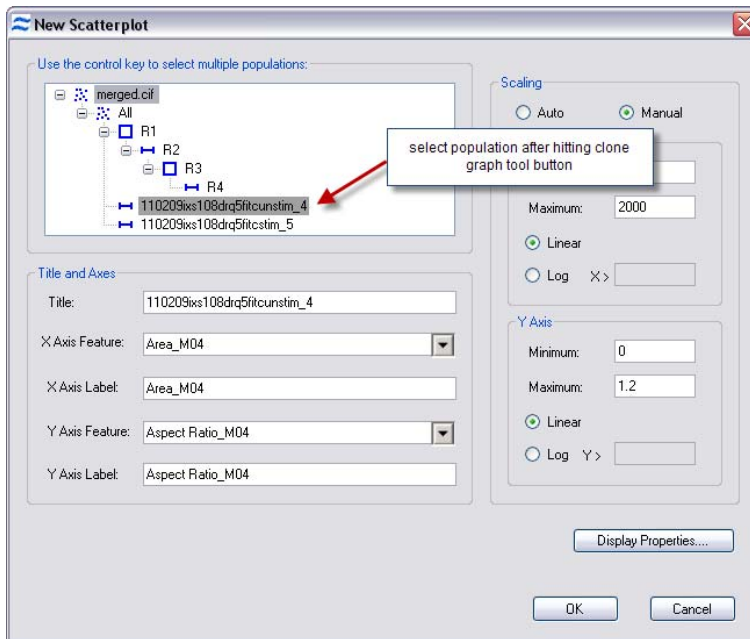
4) A merged CIF and DAF will be created. The DAF will contain populations for both the merged data and each of the separate populations. To view open the population manager: analysis>populations).



5) Since by default the data from the template will represent the merged populations you need to replicate each graph using the clone graph tool.

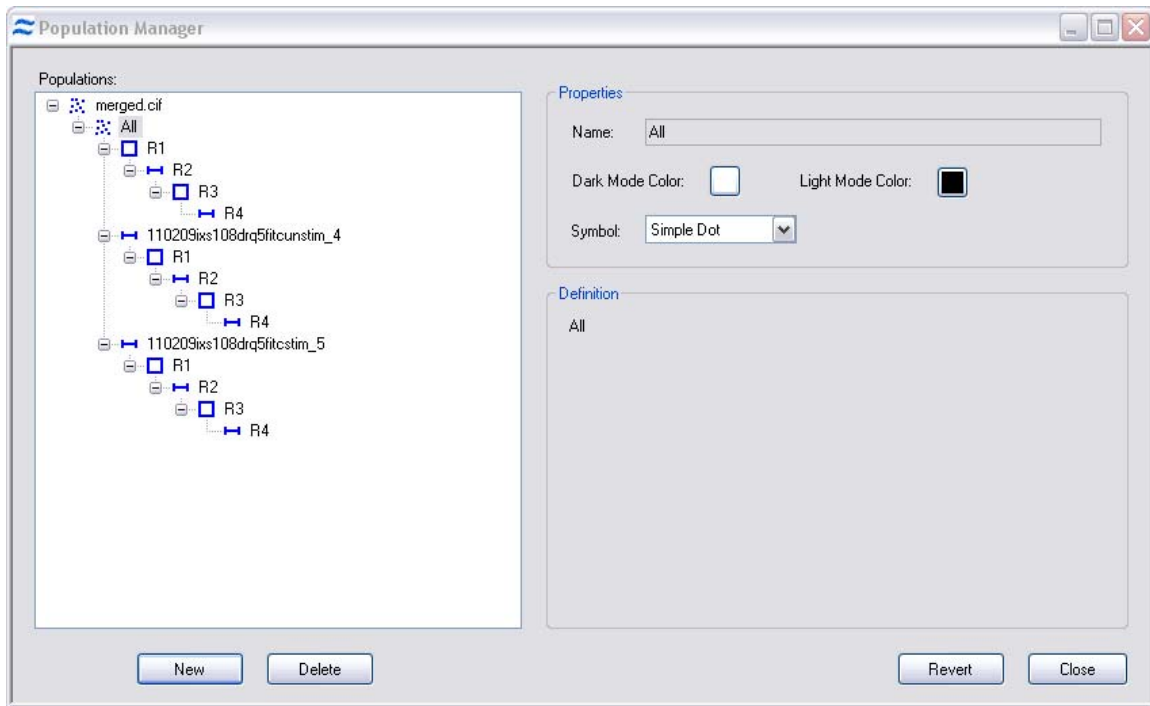


6) Clone the first graph in your template (using the clone graph tool) and select the first file (population) as your starting population. Select **OK**.

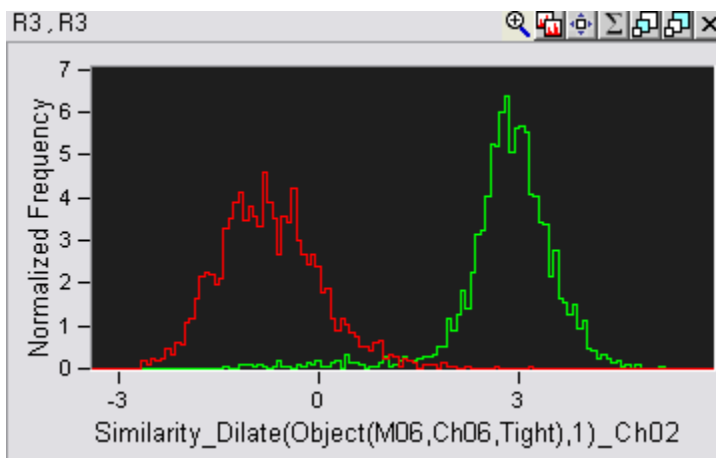


7) Clone all subsequent dependent graphs using each successive population in the hierarchy until you get to the graph you want to overlay.

8) Repeat steps 6&7 for the second overlay population. The goal is to replicate the population tree for each of the overlay populations as shown in the example below.

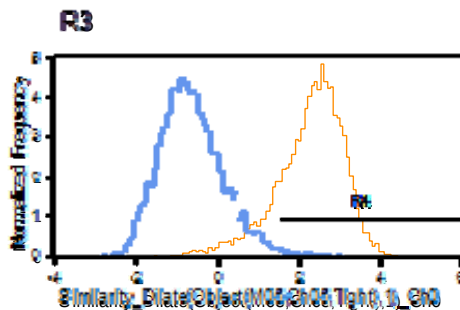


9) Use steps 1-3 in the single file overlay method to complete the overlay.



To Overlay Histograms in PowerPoint or Word

- 1.) In **IDEAS** format the two histograms to a identical X,Y scales.
- 2.) Select **contrasting colors** for the two histograms.
 - A.) Go to analysis drop down menu.
 - B.) Select populations.
 - C.) Change the white mode colors.
- 3.) Select **white mode** in IDEAS using the  button in the workspace tool bar.
- 4.) Copy the graph without statistics to the clipboard.
- 5.) Paste the graph into Word or PowerPoint.
- 6.) Follow steps 2 through 5 for the second histogram.
- 7.) In Word **set the transparent color** to white.
 - A.) Select the top histogram.
 - B.) Open the "picture tools" tab.
 - C.) Select the Colors or Recolor option  Color ▾
 - D.) Chose "set transparent color".
 - E.) Using the selection tool, click on the white area of the top histogram (anything white should now be transparent).
 - F.) If you have difficulty doing this, cut and paste the histogram back into the document using paste special and choosing picture.
- 8.) **Align** the two histograms on top of each other.
 - A.) Control select both histograms.
 - B.) Go to the picture tools tab.
 - C.) Select the alignment tool  ▾
 - D.) Chose align center.
 - E.) Then align middle
 - F.) Use Group to keep the image together (the two histograms should be precisely aligned and both visible).



To Overlay Histograms in Paint

Follow the steps above except in step 5 paste into Paint and then copy/paste second graph and choose the transparent mode.