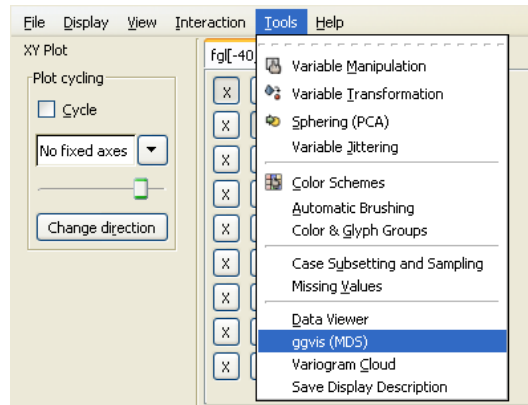


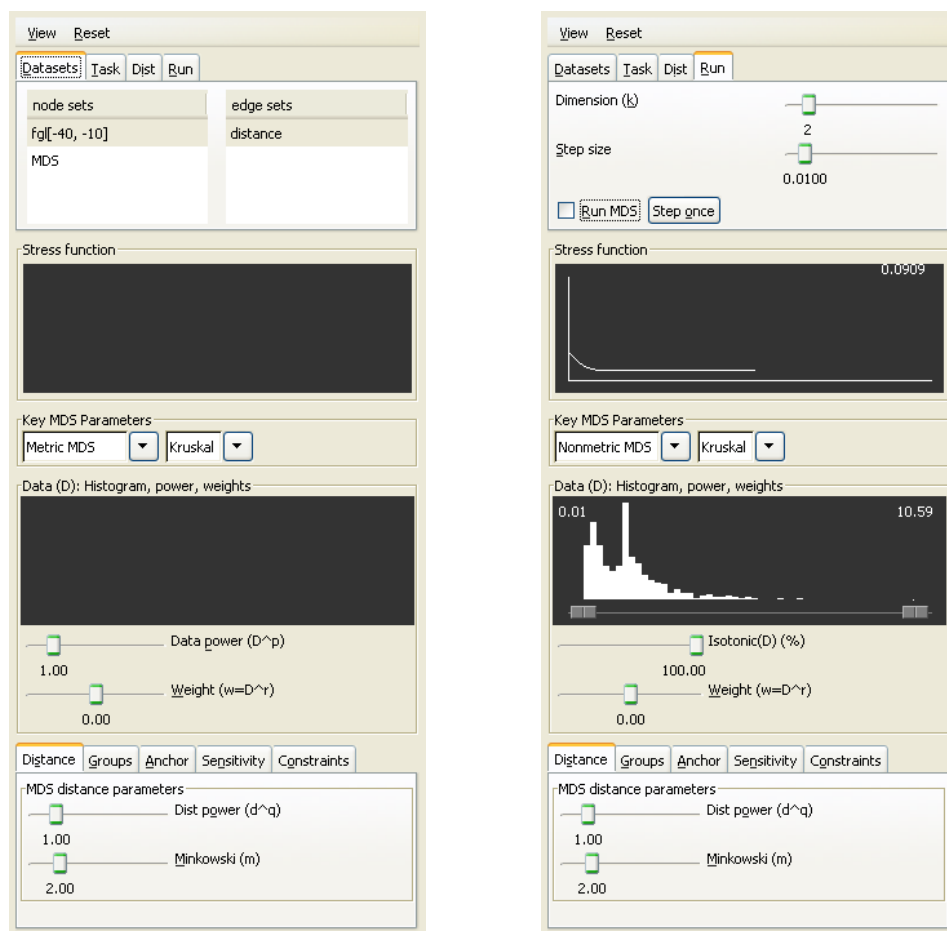
Using the GGvis Plugin to GGobi

GGvis is a plugin to GGobi which is installed in the standard version we have set up for you. To use it you need an XML file containing the locations of the nodes and the distances between each pair of points.

Start up GGobi and load a suitable dataset from the **Open** item on the **File** menu. Suitable datasets are `morsecodes.xml` and `snetwork.xml` in the `c:\Program Files\GGobi\data` directory (you will probably have to navigate up two levels to find this). Then select the `ggvis (MDS)` plugin from the **Tools** menu.



This brings up a separate control panel with four tabs



Move to the fourth tab. Select the number of dimensions: note that the default is 3 but the default view is an XY plot and not a Rotate plot. Then select metric or non-metric scaling and Run MDS. The latter is a toggle: you may need to manipulate the stepsize during the optimization run. From the **Reset** menu you can reinitialize or scramble the MDS configuration, and from the **View** menu you can view the Shepard plot of observed vs fitted distances.