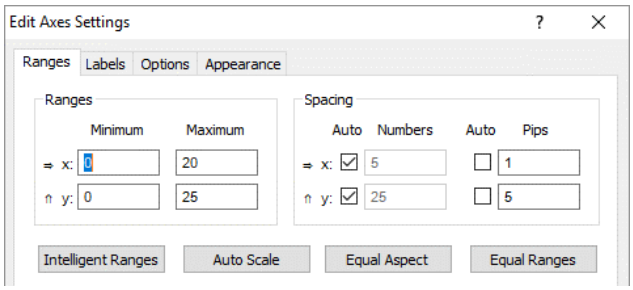
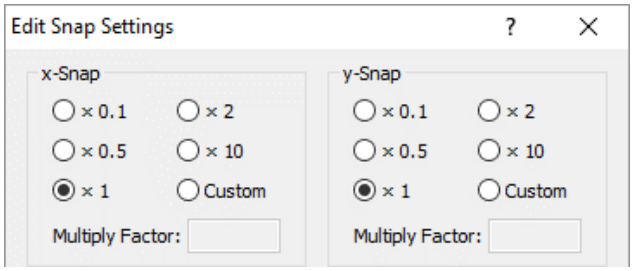
Dynamic Data for teaching mono-variate statistics

On a 1D Statistics page using POINT mode

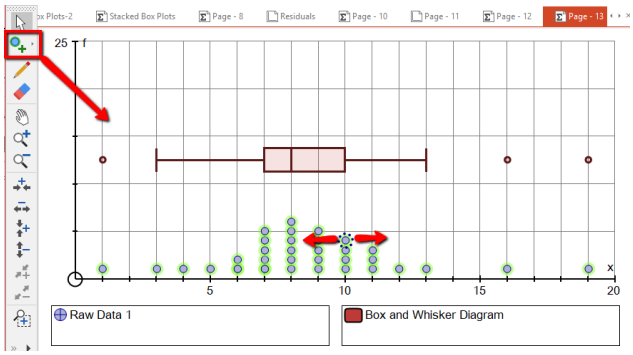
To prepare for this
a. in “Axes” -> “Edit Axes”, set scales accordingly
eg x: 0, 20 pips=1 and y: 0 to 25 pips = 5



b. in “Axes” -> “Snap Settings” set to
x-snap = 1 (default is 0.1). y-snap no change
x-snaps are relative to the grid pip setting



In POINT mode, click away and points build up on the x-axis to form a DYNAMIC DOT PLOT.

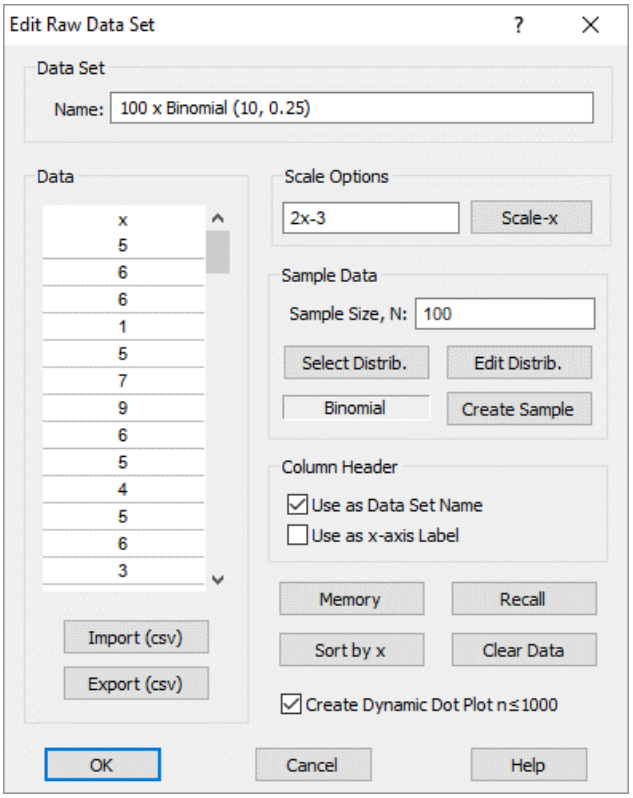


To add dependent objects, eg a Box Plot,
use CTRL-A to select all the points
(or do a ‘marquee’ select with the mouse)
then right-click “Convert to Data Set”

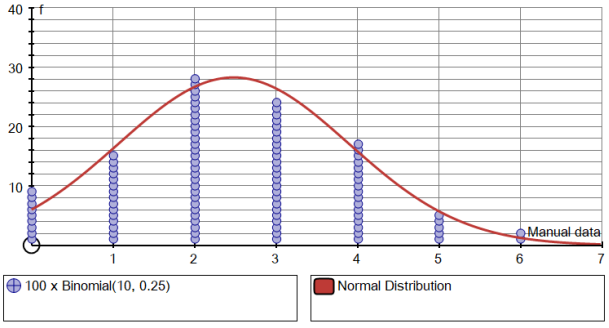
Any subsequent dragging of points around will affect the box plot accordingly.

On a 1D Statistics page with entered Raw Data

In “Enter Raw Data”:
Either type/pastr in your own data
Or create a SAMPLE – eg
Select Distribution: Binomial
Edit Distribution: n = 10, p = 0.25
Create sample: N = 100



Enter Data Set name, eg “100 x Binomial (10, 0.25)”
Untick “Use as x-axis”
Tick “Create Dynamic Dot Plot



Enter Probability Distribution: Normal – Fit to Data
“Axes” -> “Snap Settings”: Set x- and y-snaps to 1
Drag points around and the normal will readjust