**Changes to IX\_dataset\_1d, \_2d etc. in the Jan 2022 refactor**

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**Obsolete**

**Error message written with guidance in updated help**

get\_x Was used in mgenie only. Replacement function now in that library (get\_x\_IX\_dataset\_2d)

get\_xsigerr Was used in mgenie only. Replacement function now in that library (get\_xsigerr\_IX\_dataset\_2d)

**Changes to functionality**

deriv, deriv\_x etc. If an axis has only one point, then the numerical derivative is returned as NaN. Previously it was set to zero.

scale, scale\_x, scale\_y etc. The axes of all objects in an array are rescaled by the same amount. Previously you could give an array of rescale vectors. To reproduce the same functionality, write a for-loop to rescale one object at a time.

shift, shift\_x, shift\_y etc. All objects in an array are shifted by the same amount. Previously you could give an array of shift vectors. To reproduce the same functionality, write a for-loop to shift one object at a time.