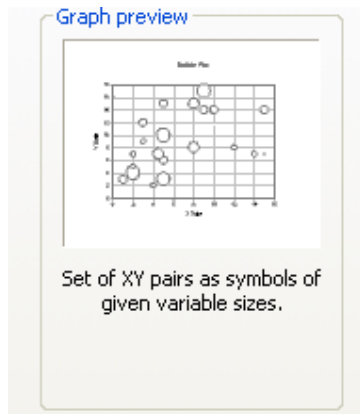


Bubble plot - adjusting the bubble sizes

Bubble plots are XY scatter plots that use symbols to represent not only XY locations, but also a third dimension represented by the size of the symbol.

There is a "Bubble Plot" button in the Create Graph toolbar, and an option in the Create Graph wizard. Besides, every type of scatter plot can become a bubble plot by taking the symbol size from a worksheet column. 1) Enter the symbol sizes into a column, then 2) select this column in the Graph Properties dialog > Plot > Symbols > Size.

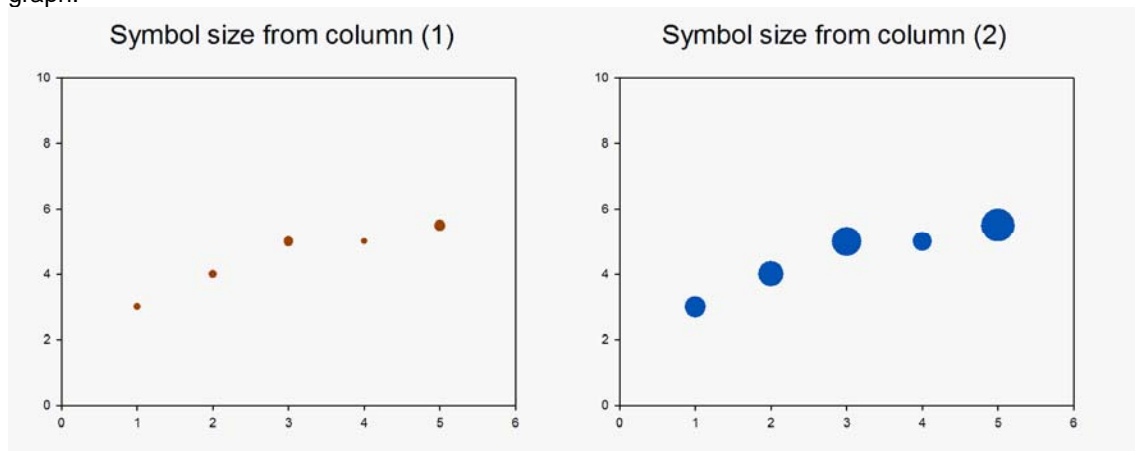


The bubble size values which you have measured may be too big or too small for an appropriate display of the symbols. In this case, use a user-defined transform, or quick transform, to adjust the size.

1. choose a size factor

Divide the whole column by a size factor (or multiply), and use the corrected values.
To further adjust the bubble size, rerun the transform with an adjusted size factor.

Example: The left graph (red) takes its symbol size values from col(3),
To increase the symbol size for the right (blue)
graph:



Run this transform

From the data worksheet, select Analysis > User-Defined..., enter this row into the Edit window:

```
col(4) = col(3) * 4
```

and click on Run. (You can also copy from this page, and paste with Ctrl-V.)

Then select col(4) in the Graph Properties dialog > Plot > Symbols > Size.

2. calculate a size factor from the data range

Divide the whole column by a size factor (or multiply), and use the corrected values.

Calculate a size factor from the data range.

Run this transform

From the data worksheet, select Analysis > User-Defined..., enter this row into the Edit window:

```
MaxSymbSize=5
```

```
Const=Max(col(3))/MaxSymbSize
```

```
col(4)=col(3)/Const
```

and click on Run. (You can also copy from this page, and paste with Ctrl-V.)

	1	2	3-size 1	4-size 2
1	1,0000	3,0000	1,0000	3,1250
2	2,0000	4,0000	1,2000	3,7500
3	3,0000	5,0000	1,4000	4,3750
4	4,0000	5,0000	0,9000	2,8125
5	5,0000	5,5000	1,6000	5,0000
6				

To modify the bubble size results, change the "MaxSymbSize" value, and rerun the transform.