## An Example of "Linking" Graphical Objects in **grid**

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April 22, 2022

Suppose that I am drawing two graphs on a page, which are the results from two subjects in an experiment. I want the graphs to have the same axes to aid in comparison of the subjects.

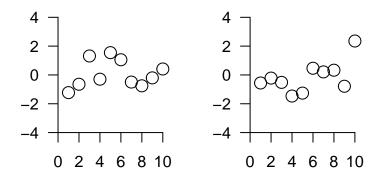
First of all, I will split the page up into two bits for the two graphs.

```
> pushViewport(viewport(layout = grid.layout(1, 2, respect = TRUE)))
```

Now I generate some data and draw the first plot.

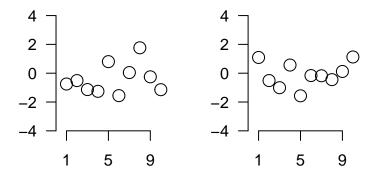
Notice that I have named the graphical objects for the axes. When I draw the second plot I will use the same names for the axis objects.

The output looks like the figure below.



Because I have used the same name for the axis objects in both plots, I can edit the axes for both plots simultaneously rather than having to edit each one in turn. For example ...

The output now looks like the figure below.



This might seem a very small gain in this example, but it is potentially of great use in, for example, the implementation of a scatterplot matrix.