This is an example of an R document that contains R code. We start with a simple simulation. We generate two variables. We elect not to show the results of these two computations within the document, just the code.

x <- rnorm(100)

The next step is to create y:

y = 3 + 15\*x + rnorm(length(x))

Now let’s compute the correlation

cor(x, y)

Note that here we did display the output. And how about a plot:

plot(x, y)

And that’s about it.

The first two R code paragraphs use the Rcode (no output) style and this suppresses the display of the output. The third R code segment (cor(x, y)) uses the Rcode style and so the result is displayed. The plot command uses the Rplot style.