RESEARCH SCHOOL OF FINANCE, ACTUARIAL STUDIES AND APPLIED STATISTICS

Solutions to R Worksheet 1.

These solutions are a summary of the R commands needed to complete the first worksheet.

Worksheet 1 was mainly concerned with using RStudio and R on your computer.

On R: the first and most critical thing you {\bf MUST} do is to start R/RStudio and load the classdata workspace. In RStudio, it is easy to load a workspace: first download the classdata.RData file from Wattle (or remember where you initially downloaded it). Then in the Workspace pane (top right), select the Open button (folder with a green arrow on it), navigate to the file you downloaded in the open dialog box, and then open the workspace file.

The other commands used in this section were as follows:

(Note that you never need to type the ">" prompt, it should already be there once you have successfully managed to start R.
Lines which start with the "#" symbol are comments from me and not R commands - R will ignore them.)

```
> x<-1:100/10
> y<-x*x
> plot(x, y)
> as.matrix(x);summary(x)

     [,1]
[1,]  0.1
[2,]  0.2
[3,]  0.3
[4,]  0.4
[5,]  0.5
[6,]  0.6
[7,]  0.7
[8,]  0.8
[9,]  0.9
.
.
.
 [99,]  9.9
[100,] 10.0

> plot((x*x,y)
Syntax error: "," used illegally at this point:
plot((x*x,
>
> # Correct the syntax error and try again:
>
> plot(x*x,y)
>
> # This should result in another plot appearing in the graphics window.
>
> # Now, to finish Worksheet 1 and our R session:
>
> q()
```