Basics of R

I. What is R? (From www.r-project.org)

>-a language and environment for statistical computing and graphics
>-provider of a wide variety of statistical and graphical techniques
>-FREE software (thanks to the R Development Core Team (2008). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. ISBN 3-900051-07-0, URL http://www.R-project.org.)
>-an environment designed around a true computer language

II Basic R Commands with Brief Explanations of their Uses

Command	Use
`set.seed( )`	To ensure results are always the same
`help( )`	To get details about an R command or a data set in R
`data( )`	To load a data set already contained in R
`plot( )`	To generate a scatterplot
`title ( )`	To give a scatterplot a main title
`lm( )`	To create a linear model for a data set
`lines ( )`	To add the graph of a linear model to a data set
`cor ( )`	To find the value of the correlation coefficient of a data set
`name<-`	To assign a particular name to something, so we can easily recall it later in our code
`read.table ( )`	To load a set of data not already contained in R
`anova ( )`	To create an analysis of variance
`step ( )`	To use forward, backward, or stepwise selection