

Instructions for writing weekly LAB report.

Using R function “process”:

Obtain a wordpad (or notepad) named, say **XXXXXweek2**, where XXXXX is your login name. You will put the commands and comments for each question in this file. An example is shown below in blue:

Jean Yang Week 2

Q1

```
<<◇>>=
```

```
x = rnorm(100)
```

```
@
```

```
<<fig=TRUE>>=
```

```
hist(x)
```

```
@
```

The command `rnorm(100)` above generates 100 normal random variables with mean zero. The function `hist` plots the histogram of vector `x`.

Q2

```
<<◇>>=
```

```
sample(1:6)
```

```
@
```

more comments

Next, put your commands and comments in your wordpad named **XXXXXweek2** and save it as a text only document.

Read carefully the webpage <http://rome/u/michaels/process.html>, in particular the paragraph headed “Genearl Sweave”. Start R and load the function `process` by typing

```
load(url("http://www.maths.usyd.edu.au/u/michaels/process.RData"))
```

at the R prompt. Process this file using `process("XXXXXweek2")` and a corresponding **pdf** file containing all your commands, comments and graphical output will be generated. Print or email (jeany@maths.usyd.edu.au) to hand in this pdf file.