Psych 6136: Assignment 2

Readings
- DDAR, Ch 2 (read again)
- DDAR, Ch 3

Supplements
Discrete distributions are described in more detail in J. K. Lindsey (1995), *Modelling Frequency and Count Data*, Oxford, ISBN 0-19-852331-9, Ch. 1 & Ch. 6.

Wikipedia pages on the Binomial distribution, the Poisson distribution and other discrete distributions contain fairly comprehensive summaries with graphs and properties.

Exercises
For these problems in R, try to follow the instructions on Assignment 1 for working with an R script as an "R Notebook" that you can compile (File -> Compile report). An alternative method is to use "R Markdown" http://rmarkdown.rstudio.com/. This is more like writing (using simple markdown formatting), and including R code in "code chunks".

1. DDAR: Ex 2.3
2. DDAR, Ex 3.1
3. DDAR, Ex 3.3; part (c) should be: make a reasonable plot showing departure from the binomial distribution. Add part (d): Suggest some reasons why the number of women in queues of length 10 might depart from a binomial distribution, Bin(n=10, p=1/2).
4. DDAR: Ex 3.4