

## Psych 6136: Assignment 2

### Readings

- VCDR, Ch 2 (read again)
- VCDR, 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

1. VCDR: Ex 2.3
2. VCDR, Ex 3.1
3. VCDR, 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,  $\text{Bin}(n=10, p=1/2)$ .
4. VCDR: Ex 3.4