Errata for: Lewandowsky, S., & Farrell, S. (2011). *Computational modeling in cognition: Principles and practice*. Thousand Oaks, CA: Sage Publishers Inc.

This document was downloaded from http://www.cogsciwa.com and is part of the supplementary material for the book. Notwithstanding multiple passes through the book and careful proof-reading, the occurrence of glitches in 400 pages of text is nearly unavoidable. Those will be corrected during future print runs (or editions), and until then this document will be continually updated as typographical errors are being uncovered.

Alerts are welcome and should be addressed to stephan.lewandowsky@uwa.edu.au.

Errata

p. 141, Equation 4.21 and following paragraph: The factorial symbol ("!") should not be subscripted but should be in line with the text.

p. 121, caption to Figure 4.5: the Gaussian PDF is shown in the middle panel (and not on the left as noted in the caption) and the exponential PDF is shown on the left panel (and not in the middle).

p. 145, paragraph 3: Delete "that" from: "…. small arbitrary value ~~that~~ approaches zero."

p. 162, Listing 5.3: This script makes reference to two functions, `normrnd` and `exprnd`, that are part of the Matlab statistics toolbox. If you do not have the statistics toolbox, those two functions are easily created as follows:

```
function x = normrnd(mu, sigma, dim)
x = randn(dim)*sigma+mu;

function x = exprnd(mu, dim)
x = -log(1-rand(dim)).*mu;
```

p. 167, Listing 5.4: Two of the arguments in the call to SIMPLEfreeBino are reversed. Instead of

```
function [dev, p] = SIMPLEfreeBino(theta, data, recTime, presTime, N)
```

it should read

```
function [dev, p] = SIMPLEfreeBino(theta, data, presTime, recTime, N).
```

(This error does not affect the functionality of the scripts because Matlab handles the negative logarithms that arise in Line 10 of that script gracefully.)

p. 186, below Eq. 5.16: Instead of "….is the BIC difference between the best model and model M", it should read "….the BIC difference between model M and the best model."

p. 261, lines at the top: Instead of "using the integral of the normal CDF", it should read "using the normal CDF."

p. 268, Equation 7.10 should read:

$$\varphi(x) = \frac{1}{2}\left(1 + \operatorname{erf}\left(\frac{x}{\sqrt{2}}\right)\right)$$

p. 269, Listing 7.7:

(a) In between lines 14 and 15, the following statement should be inserted:

```
return;
```

(This omission does not affect the functionality of the script in most circumstances because this condition is only triggered when the input is wrong.)

(b) Line 28 should read:

```
p = 0.5 * (1 + erf(x./sqrt(2)));
```

(This typo does not affect the functionality of the script because Lines 19-20 compensate for the lack of the “1 +” in the original code.)