

- 1. p. 7. Table 1.1. description of \forall should read: "Used to summarily refer to all elements in a set."
- 2. p. 7. Table 1.1. F(x) should read F(X).
- 3. p. 13, Eq. 2.6. Middle expression should be F(X)
- 4. p. 17, Eq. 2.10. Integration limit should be S, not $x \in S$.
- 5. p. 18., last equation. dx should be removed after the integral has been taken (right before the $\begin{vmatrix} 5 \\ 0 \end{vmatrix}$ evaluation bar).
- 6. p. 18, footnote 2. The footnote should refer to the variance and not the mean.
- 7. p. 22, Eq. 2.16. middle expression should be F(X,Y).
- 8. p. 24. Bottom equations should either contain (1/28) in the denominator, just outside the integral, or the (1/28) in the numerators should be removed.
- 9. p. 33, Eq. 2.29. d/2 should be replaced with k/2.
- 10. p. 40, Eq. 2.36. $\frac{\sum x}{p^2}$ should be preceded by a "-" sign, as in brackets in the next equation.
- 11. p. 42. The partial derivative of the log-likelihood is taken with respect to σ , but should have been taken wrt σ^2
- 12. p. 45, Exercise 3. Should read "Suppose a sample of 10 students at a major university were given an IQ test which resulted in a mean of 120..."
- 13. p. 51, end of next to last paragraph. Should say " $f(data|\theta)$ " rather than " $p(data|\theta)$."
- 14. p. 53, first para. in section 3.3. Should say "f(data|parameter)" rather than "p(data|parameter)."
- 15. p. 55, left side of equation should be: $f(K|\alpha=1, \beta=1)$.
- 16. p. 63, next to last equation. Leading constant should be: $\frac{1}{\sqrt{\tau^2(\sigma^2)^n}}$ (σ^2 should be raised to the n^{th} power).
- 17. p. 64, very bottom. The updated variance parameter is 2.94, not 20. As a result, the s.d. is 1.71, not 4.47.
- 18. p. 66, first equation. b should replace β in the exponential.
- 19. p. 90, first equation. There should be a dy at the end of the integral.
- 20. p. 94., first line after the equation. The expression should read: (1/28)/(6q+8) rather than (1/28)(6q+8).

- 21. p. 115. The sentences following the third footnote should be modified as follows: "Thus, if b = 0, m must be equal to .08 in order for the area under the (sampling) density to equal 1. Similarly, if b = 5, m must be -1.92. More generally, $b = (2 (s^2 r^2)m)/2(s r)$, (find this) and so, once m is known, b is automatically determined."
- 22. p. 115. The data set used by the program has 1377 cases, but the vector, z in the second row, ends at element 1337. This should be changed to z[827:1377]=5.
- 23. p. 126., Figure 5.6. The figure caption should read: "Trace plot of ρ from bivariate normal model..." (figure consists of only one plot).
- 24. p. 129 Exercise 1. The item should ask to show that $A^TBA = tr(AA^TB)$.
- 25. p. 138, Fig. 6.3. Caption should end with: "(every 10th iteration shown in plot)."
- 26. p. 151, fifth line in new paragraph. The mean of θ from each chain should be θ_i , not θ_i , given the subsequent notation.
- 27. p. 156, second line. Should say: "If we generated 10,000..." rather than 1,000.
- 28. p. 192, second sentence. Should say: "A requirement for using that model is that the outcome variable *conditional on x* must be continuous and normally distributed."
- 29. p. 195, Equation 8.1. The left side of the equation should be: L(P|Y) and not L(P|y).
- 30. p. 221, Step 4. Should read: "Sample regression coefficients from their conditional distribution: $\beta \sim N\left((X'X)^{-1}(X'Y^*), (X'X)^{-1}\right)$."
- 31. p. 224, Fig. 8.10. axis should say "Iteration (in 100s)."
- 32. p. 237, third line in program should read: k=matrix(y/n,100000,4,byrow=T). (m should be replaced with 100000). This is correct in the zip file on my webpage.
- 33. p. 242, equations at top of page and next to last equation. The parameters for τ^2 and σ^2 are a and b vs. c and d (respectively) at the top of the page, but are reversed at the bottom.
- 34. p. 246, last line of the program at the top of page. The filename should be as follows (as in the zip file on my webpage):

"c:\\internet_examp.out"

35. p. 308, program. The lines defining s, cs, tz, and ctz refer to a parameter d that is not defined here. This parameter should be set to 2 in defining s and cs and can be omitted altogether in defining tz and ctz (as in the zip file on my webpage).

36. p. 327 Equation A.3. should be:

$$\frac{d\int f(x)dx}{dx} = f(x)$$

37. p. 337. Equation B.1. should be:

$$\bar{x}|\mu_x, \ \sigma_x, \ n \stackrel{asy}{\sim} N\left(\mu_x, \frac{\sigma_x}{\sqrt{n}}\right)$$

 $(f(\bar{x}))$ is the density function, not the distribution).