

Bayesian Data Analysis for Animal Scientists.

ERRATA

Page 14

Y-axis text should be in the X-axis

Page 44

Line 5. It should be: if we have five positive values and take the square of them
Instead of: if we have five values and we calculate the square of them

Page 63

Appendix 2.2- It should be Sect. 3.2.2 instead of Sect. 3.3.2

Page 71

Line 9- It should be We have seen in Sect. 3.2.2 instead of We have seen in Sect. 3.3.2

Page 92

In section 5, it should be $x=2$ instead of $x=4$

Page 154

The first formula should be $f(\mathbf{b}, \mathbf{u}, \mathbf{p} / \sigma_u^2, \sigma_p^2, \sigma_e^2, \mathbf{y})$ instead of $f(\mathbf{b}, \mathbf{u}, \mathbf{p} / \sigma_u^2, \sigma_p^2, \sigma_e^2, \mathbf{y})$

Page 172

The fourth formula has not the right colours. It should be

$$f(\mathbf{y} / \mathbf{p}, \mathbf{p}_\varepsilon) \quad \text{instead of} \quad f(\mathbf{y} / \mathbf{p}, \mathbf{p}_\varepsilon)$$

Page 178

The second formula should be

$$\sigma_i^2 = \left(\exp \frac{\mu^* + F_j^* + a_i^*}{2} \right)^2 = e^{\mu^*} \cdot e^{F_j^*} \cdot e^{a_i^*} \quad \text{instead of} \quad \sigma_i^2 = \left(\exp \frac{\mu^* + F_j^* + a_i^*}{2} \right)^2 = e^{\frac{\mu^*}{2}} \cdot e^{\frac{F_j^*}{2}} \cdot e^{\frac{a_i^*}{2}}$$

Page 183

Line 15. It should be chromatid instead of chromosome

Page 186

Figure 8.4. Legend: It should be SNP variances instead of SNPs effects
Y-axis legend: It should be variance size instead of effect size

The first formula should be

$$\sigma_i^2 \sim \text{IG}(\alpha, \beta) \propto \frac{1}{(\sigma_i^2)^{\alpha+1}} \exp \left[-\frac{\beta}{\sigma_i^2} \right] \quad \text{instead of} \quad \sigma_i^2 \sim \text{IG}(\alpha_i, \beta_i) \propto \frac{1}{(\sigma_i^2)^{\alpha_i+1}} \exp \left[-\frac{\beta_i}{\sigma_i^2} \right]$$

In the first text line it should be α and β instead of α_i and β_i

Page 219

Line 11, it should be Fig. 10.4 instead of Fig. 10.3

Page 220

Line 2, it should be significance should not be used instead of significance should be a criterion

Page 231

Line 21, two lines after the formula $I = -\log(P_A)$,
 it should be logarithms of P are lower than 0, thus $I > 0$
 instead of logarithms are always greater than zero

Page 233

The first formula should be

$$I(f_B) - I(f_N) = -\log f_B - (-\log f_N) = \log \frac{f_N}{f_B} \quad \text{instead of} \quad I(f_B) - I(f_N) = -\log f_B - (-\log f_N) = \frac{\log f_N}{\log f_B}$$

Page 233

The second formula should be

$$K(f_B|f_N) = E_N[I(f_B) - I(f_N)] = E_N\left(\log \frac{f_N(y)}{f_B(y)}\right) = \int_{-\infty}^{\infty} \log \frac{f_N(y)}{f_B(y)} \cdot f_N(y) dy$$

instead of

$$K(f_B|f_N) = E_N[I(f_B) - I(f_N)] = E_N\left(\frac{\log f_N(y)}{\log f_B(y)}\right) = \int_{-\infty}^{\infty} \frac{\log f_N(y)}{\log f_B(y)} \cdot f_N(y) dy$$

Page 233

The third formula should be

$$K(f_N|f_B) = E_B[I(f_N) - I(f_B)] = \int_{-\infty}^{\infty} \log \frac{f_B(y)}{f_N(y)} \cdot f_B(y) dy$$

instead of

$$K(f_N|f_B) = E_B[I(f_N) - I(f_B)] = \int_{-\infty}^{\infty} \frac{\log f_B(y)}{\log f_N(y)} \cdot f_B(y) dy$$

Page 237 Line 12, and **Page 241**, line 1

Kass and Adrian (1995) should be Kass and Raftery (1995)

Page 240

In the fourth line of the text it should be the difference of BICs instead of the ratio of BICs

Page 268

The reference Kass RE, Adrian ER (1995) should be Kass RE, Raftery AE (1995)