

Corrections for “next printing” of Coalescent Theory

The line numbers below do not count header, figures, or tables, but do count (each line of) equations. “Line -N” counts up N lines from the bottom of the page.

1. Page XI, line 14 Now reads: who one masters Should read: who masters
2. Page XII, line -2 Now reads: Massachussets Should read: Massachusetts
3. Page 19, column K, row I of figure 1.6 Now reads: - Should read: 2
4. Page 35, term in equation 2.31 Now reads: $f_{X_1}(X_1)$ Should read: $f_{X_1}(x_1)$
5. Page 68, line 2, numerator of right-most term in equation Now reads: $N - 1 - (i - 1)$
Should read: $N - 2 - (i - 1)$
6. Page 72, second unnumbered equation Now reads:

$$G_{2,1} = E \left[\sum_{i=1}^N \frac{y_i(y_i - 1)}{N(N - 1)} \right] = \frac{E[y_1(y_1 - 1)]}{N - 1} = \frac{\text{Var}[y_1]}{N - 1} = \frac{\sigma^2}{N} + O(1/N^2).$$

Should read:

$$G_{2,1} = E \left[\sum_{i=1}^N \frac{Y_i(Y_i - 1)}{N(N - 1)} \right] = \frac{E[Y_1(Y_1 - 1)]}{N - 1} = \frac{\text{Var}[Y_1]}{N - 1} = \frac{\sigma^2}{N} + O(1/N^2).$$

7. Page 72, the two lines following this second unnumbered equation Now reads:
.... $E[y_i(y_i - 1)]$ is the same for every i , and that $E[y_i] = 1$, so that $E[y_i(y_i - 1)] = \text{Var}[y_i]$
Should read:
.... $E[Y_i(Y_i - 1)]$ is the same for every i , and that $E[Y_i] = 1$, so that $E[Y_i(Y_i - 1)] = \text{Var}[Y_i]$
8. Page 79, end of line 12 Now reads: $\log(n)-$ Should read: $\log(n)+$
9. Page 80, horizontal axis label of figure 3.5 Now reads: t Should read: t
10. Page 86, end of line 3 Now reads: $\sum_{i=k}^n T_i$ Should read: $\sum_{i=k+1}^n T_i$
11. Page 86, equation 3.42, second case ($k \geq 2$), first term in denominator Now reads: $i!$
Should read: $k!$

12. Page 87, left axis figure 3.8: Now reads: 30 20 10 Should read: 3.0 2.0 1.0
13. Page 94, Section 4.1.1 title Now reads: The Number Segregating Sites Should read: The Number of Segregating Sites
14. Page 95, line -5 Now reads: $p = \theta/(\theta + 1)$ Should read: $p = 1/(\theta + 1)$
15. Page 107, exponent of $(1 - \frac{1}{N})$ in equation 4.23 Now reads: i Should read: $i - 1$
16. Page 111, line 19 (or -12) Now reads: $\sum_{k=0}^n P\{k\} = 1$ Should read: $\sum_{k=1}^n P\{k\} = 1$
17. Page 118, lower right panel of figure 4.7 Now reads: 2 4 6 8 Should read (see lower left panel; should be same): 2 4 6 8 10
18. Page 119, line -14 Now reads: to deviation from Should read: to deviate from
19. Page 123, line 1 Now reads: longer Should read: long
20. Page 123, line 3 Now reads: in ancestral Should read: in the ancestral
21. Page 221, first line after equation 7.9 Now reads: $P\{\text{Data and } I = A_1, C = A_1|B_2\}$
Should read: $P\{\text{Data and } I = A_1, C = A_1|2\text{-branch}\}$
22. Page 237, term in equation on line 8 Now reads: f_{aa} Should read: f_{ab}
23. Page 242, beginning of line 5 Now reads: between 0 and 1. At one extreme, if Should read: between -1 and 1 . If
24. Page 242, line 6 Now reads: At one extreme, if Should read: If
25. Page 242, end of line 7 Now reads: . Should read: . If $Y = -X$, then $\text{Corr}[X, Y] = -1$.
26. Page 251, number in denominator of equation 8.5 Now reads: 0.000392 Should read: 0.0000392
27. Page 284, equation in text, second line below equation 8.32 Now reads: $P\{G_i|D; \theta\} = P\{D|G; \theta\}P\{G\}/P\{D; \theta\}$ Should read: $P\{G_i|D; \theta\} = P\{D|G_i; \theta\}P\{G_i\}/P\{D; \theta\}$
28. Page 303, line 5 Now reads: 1988. “Coalescent Should read: 1988. “The Coalescent