

ERRATA

In Etienne & Alonso (2005) there is an error in eqn 25. Equation 25 should read:

$$P_{\text{multinom}}^{\text{DL}}[\vec{D}_1 | m, \vec{D}_2, J] = \frac{J!}{m_1! \dots m_S!} \frac{\prod_{i=1}^S (I x_i)_{n_i}}{(I)_J} \quad (25)$$

As stated in Etienne & Alonso (2005) this equation is the generalization of the dispersal-limited binomial distribution, given in eqn 24. Because the multinomial distribution is the generalization of the binomial distribution, consistency in terminology therefore requires that eqn 25 should be called the dispersal-limited multinomial distribution. Consistency in the mathematical generalization of eqn 24 then requires that I_i in the original eqn 25 must be replaced by I .

The corrected eqn 25 is known as the compound multinomial Dirichlet distribution (Mosimann 1962) and has found a similar application in population genetics (Rannala 1996).

In addition, a typographic error occurred in eqn 13. This equation should have $n_i!$ in the denominator instead of n_i . In the online appendix A to Etienne & Alonso (2005), where eqn 13 is derived, the correct form is given.

REFERENCES

- Etienne, R.S. & Alonso, D. (2005). A dispersal-limited sampling theory for species and alleles. *Ecol. Lett.*, 8, 1147–1156.
- Mosimann, J.E. (1962). On the compound multinomial distribution, the multivariate β -distribution, and correlations among proportions. *Biometrika*, 49, 65–82.
- Rannala, B. (1996). The sampling theory of neutral alleles in an island population of fluctuating size. *Theor. Popul. Biol.*, 50, 91–104.

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In the paper by Harley *et al.* (2006), the following reference was omitted in error. Our apologies for any confusion caused.

Southward, A.J., Hawkins, S.J. & Burrows, M.T. (1995). Seventy years' observations of changes in distribution and abundance of zooplankton and intertidal organisms in the western English Channel in relation to rising sea temperature. *J. Therm. Biol.*, 20, 127–155.

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- Harley, C.D.G., Hughes, A.R., Hultgren, K.M., Miner, B.G., Sorte, C.J.B., Thornber, C.S., Rodriguez, L.F., Tomanek, L. & Williams, S.L. (2006) The impacts of climate change in coastal marine systems. *Ecol. Lett.*, 9, 228–241.

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