Corrigendum: Data weighting in statistical fisheries stock assessment models

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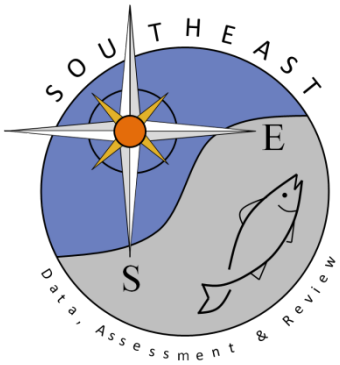

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CORRIGENDUM / RECTIFICATIF

Corrigendum: Data weighting in statistical fisheries stock assessment models

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In Appendix A of the published article, there were some errors associated with the equation, and associated derivation, of method TA1.10. The equation for this method (last line of Table A1) should be

$$\mathrm{Var}_y\left[(\overline{O}_{jy} - \overline{E}_{jy})/(S_2 + \overline{E}_{jy}^2 S_3 - 2\overline{E}_{jy}S_4)^{0.5}\right] = 1$$

and the associated footnote should be "[b]See text for definitions of S_2, S_3, and S_4."

Also, the third sentence of the last paragraph of the section headed **Methods allowing for correlations** should be as follows: "Thus we treat $\overline{O}_{jy}$ as being equal to $\sum_b x_b O_{jby}/\sum_b O_{jby}$ and calculate its variance using the standard approximation for the variance of a ratio of two random variables (eq. 10.17 of Stuart and Ord 1987), which produces $\mathrm{Var}(\overline{O}_{jy}) = S_2 + \overline{E}_{jy}^2 S_3 - 2\overline{E}_{jy}S_4$, where $S_2 = \sum_b (x_b c_{jby} E_{jby})^2$, $S_3 = \sum_b (c_{jby} E_{jby})^2$, and $S_4 = \sum_b x_b (c_{jby} E_{jby})^2$."

Reference

Stuart, A., and Ord, J.K. 1987. Kendall's advanced theory of statistics. Vol. 1. Distribution theory. Charles Griffin and Company Limited, London, UK.

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