

CORRECTION

Correction: Fitting and Calibrating a Multilevel Mixed-Effects Stem Taper Model for Maritime Pine in NW Spain

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In [Table 4](#), the value for δ in the “MM3 (a_1, b_3)” column is incorrect. Please see the corrected [Table 4](#) here.

The value for “delta” in the [S1 Appendix](#) is incorrect. Please view the correct [S1 Appendix](#) below.

Table 4. Parameter estimates of the fixed-effects model (fitted by OLS, FMOLS) and the recommended mixed-effects model (expanding a_1 and b_3 with random effects, MM3), fitted using the whole data set.

Parameter	FMOLS	MM3 (a_1, b_3)
a_0	0.9891	1.050
a_1	0.9633	0.9427
a_2	0.04585	0.04734
b_1	0.3672	0.3619
b_2	-0.3350	-0.6907
b_3	0.5192	0.5847
b_4	0.8471	1.126
b_5	0.01777	0.02271
b_6	-0.02647	-0.05812
σ^2_{i,a_1}	$\sigma^2_{i,}$	$1.263 \cdot 10^{-5}$
σ^2_{i,b_3}		$8.273 \cdot 10^{-4}$
σ^2_{i,a_1,b_3}		$-1.104 \cdot 10^{-5}$
σ^2_{j,a_1}		$1.205 \cdot 10^{-4}$
σ^2_{j,b_3}		$3.095 \cdot 10^{-3}$
σ^2_{j,a_1,b_3}		$3.847 \cdot 10^{-5}$
σ^2	1.555	$6.117 \cdot 10^{-3}$
δ		1.481

$\sigma^2_{i,a_1}, \sigma^2_{i,b_3}$ and σ^2_{i,a_1,b_3} , variances and covariance of random effects in parameters a_1 and b_3 at plot level; $\sigma^2_{j,a_1}, \sigma^2_{j,b_3}$ and σ^2_{j,a_1,b_3} , variances and covariance of random effects in parameters a_1 and b_3 at tree level; σ^2 , residual variance; δ parameter of power function. Note that the σ^2 of the mixed-effects model must be multiplied by $g = d^\delta$ when applied (variance obtained from ordinary residuals is 0.6866).

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Supporting Information

S1 Appendix. R implementation of the calibration procedure for a multilevel mixed-effects model based on stem taper function of Kozak (2004).

(ZIP)

Reference

1. Arias-Rodil M, Castedo-Dorado F, Cámara-Obregón A, Diéguez-Aranda U (2015) Fitting and Calibrating a Multilevel Mixed-Effects Stem Taper Model for Maritime Pine in NW Spain. PLoS ONE 10(12): e0143521. doi: [10.1371/journal.pone.0143521](https://doi.org/10.1371/journal.pone.0143521) PMID: [26630156](https://pubmed.ncbi.nlm.nih.gov/26630156/)