CORRECTION

Check for updates

Correction to: Psychophysical detection and learning in freely behaving rats: a probabilistic dynamical model for operant conditioning

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Correction to: Journal of Computational Neuroscience https://doi.org/10.1007/s10827-020-00751-8

The original version of this article unfortunately has some typographical errors in equations (5), (6), (7), (8), and (12). Apparently, the corrections during the proofing stage were not accurately implemented; some equations were further corrupted after editing.

Thus, this erratum is presented to fix these errors, providing the correct equations.

• Equation (5):

$$W_z \sim N\left(\overline{w_z}, c\overline{w_z}\right), \quad B_z \sim N\left(\overline{b_z}, c\overline{b_z}\right)$$

• Equation (6):

$$c = \begin{cases} 0.5, & \text{for } 6\text{-parameter model} \\ \text{constant to be fitted}, & \text{for } 7\text{-parameter model} \\ bb(t/10)^{bp}, & \text{for } 8\text{-parameter model} \end{cases}$$

• Equation (7):

$$M_{l} = \begin{cases} 0, \ E_{l} < E_{r} \\ 1, \ E_{l} > E_{r} \end{cases}, \quad M_{r} = \begin{cases} 1, \ E_{l} < E_{r} \\ 0, \ E_{l} > E_{r} \end{cases}$$

• Equation (8):

$$\rho = \begin{cases} 0, & \text{miss} \ (S = 1 \text{ and } M_l = 1) \text{ or false alarm} \ (S = 0 \text{ and } M_r = 1) \\ 1, & \text{hit} \ (S = 1 \text{ and } M_r = 1) \text{ or correct rejection} \ (S = 0 \text{ and } M_l = 1) \end{cases}$$

• Equation (12):

$$X_{S} = \begin{cases} 0, \ S = 0\\ 1, \ S = 1 \end{cases}, \quad X_{NS} = \begin{cases} 1, \ S = 0\\ 0, \ S = 1 \end{cases}$$

The original article has been corrected.

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