CORRECTION

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

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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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