

**CORRECTION**      **OPEN**

# Correction: Withdrawal from escalated cocaine self-administration impairs reversal learning by disrupting the effects of negative feedback on reward exploitation: a behavioral and computational analysis

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Shortly after publication, the Authors noticed that two of the equations in the Methods section contained errors. The original Article contained a typographic error in Model-free Q-learning models 1 and 3. The correct equations are as follows:

*Model-free Q-learning: model 1*

$$P(c_t = L | Q_t(L), Q_t(R)) = \frac{\exp(Q_t(L)/\beta)}{\exp(Q_t(L)/\beta) + \exp(Q_t(R)/\beta)}$$

*Model-free Q-learning: model 3*

$$P(c_t = L | Q_t(L), Q_t(R), L_{t-1}, R_{t-1}) = \frac{\exp(Q_t(L)/\beta + \kappa * L_{t-1})}{\exp(Q_t(L)/\beta + \kappa * L_{t-1}) + \exp(Q_t(R)/\beta + \kappa * R_{t-1})}$$

The correct equations were used for the data analyses performed in the original Article. The analyses, results and conclusions of the paper were not affected by the typographic error. This has now been corrected in both the PDF and HTML versions of the Article.



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