

CORRECTION

Correction: A Unifying Probabilistic View of Associative Learning

The *PLOS Computational Biology* Staff

There is an error in equation 15, the “discounted time derivative” h_t is defined incorrectly. It should read as follows:

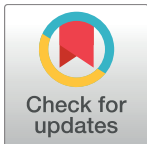
“Operationally, the only change from the Kalman filter model described above is to replace the stimulus features x_t with their discounted time derivative, $h_t = x_t - \gamma x_{t+1}$. To see why this makes sense, note that the immediate reward can be expressed in terms of the difference between two values:

$$\begin{aligned} r_t &= V(x_t) - \gamma V(x_{t+1}) \\ &= w_t x_t - \gamma w_t x_{t+1} \\ &= w_t (x_t - \gamma x_{t+1}). \end{aligned} \tag{1}$$

This error does not affect the simulations, which were implemented with the correct definition.

Reference

1. Gershman SJ (2015) A Unifying Probabilistic View of Associative Learning. *PLoS Comput Biol* 11(11): e1004567. <https://doi.org/10.1371/journal.pcbi.1004567> PMID: 26535896



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