Corrigendum: Unifying Speed-Accuracy Trade-Off and Cost-Benefit Trade-Off in Human Reaching Movements

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A corrigendum on

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There was a confusing notation of expectation in the Equations (2) and (4) in the original article. The original notation $\mathbb{E}(\boldsymbol{s}, \boldsymbol{u})(...)$ could be misinterpreted as expectation of variables $\boldsymbol{s}$ and $\boldsymbol{u}$ themselves multiplied by the integral part inside (...), while in fact the notation represents the expectation of integral part inside the (...), where $(\boldsymbol{s}, \boldsymbol{u})$ only indicates that the random variables are $\boldsymbol{s}$ and $\boldsymbol{u}$. The clearer notation would be $\mathbb{E}_{\boldsymbol{s},\boldsymbol{u}}(...)$. The corrected versions of equations/text are below.

$$J(\boldsymbol{u}) = \mathbb{E}_{\boldsymbol{s},\boldsymbol{u}}\left(\int_0^\infty \left[e^{-t/\gamma} \rho R(\boldsymbol{s}_t) - \upsilon L(\boldsymbol{u}_t) \right] dt \right), \qquad (2)$$

where $\mathbb{E}_{\boldsymbol{s},\boldsymbol{u}}(...)$ denotes the expectation over the random variables $\boldsymbol{s}$ and $\boldsymbol{u}$, which is the probability-weighted average of its argument over infinitely many repetitions.

$$J(\boldsymbol{u}) = \mathbb{E}_{\boldsymbol{s},\boldsymbol{u}}\left(\int_0^\infty \left[e^{-t/\gamma} \rho R(\boldsymbol{s}_t) - \upsilon L(\boldsymbol{u}_t) \right] dt + C(\boldsymbol{s}_f) \right), \qquad (4)$$

In the original article, we forgot to include the Acknowledgments section.

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The authors apologize for these oversights and state that they do not change the scientific conclusions in any way.

The original article has been updated.

Conflict of Interest Statement: The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.