



Corrigendum: Transitive Inference Remains Despite Overtraining on Premise Pair C+D-

Héctor O. Camarena*, Oscar García-Leal*, José E. Burgos, Felipe Parrado and Laurent Ávila-Chauvet

Center for Studies and Investigations in Behavior, University of Guadalajara, Guadalajara, Mexico

Keywords: transitive inference, value transfer, reinforcement, overtraining, bias reversal

A Corrigendum on

Transitive Inference Remains Despite Overtraining on Premise Pair C+D-

by Camarena, H. O., García-Leal, O., Burgos, J. E., Parrado, F., and Ávila-Chauvet, L. (2018). Front. Psychol. 9:1791. doi: 10.3389/fpsyg.2018.01791

In the original article, there was an error. The letter "C" was incorrectly provided and should instead be "B."

A correction has been made to the Introduction, paragraph seven:

"The present study is focused on the relationship between reinforcement contingencies and the formation of TI. More specifically, our aim is to explore the effect of extended training of all premise pairs and overtraining in a single premise pair. Previous studies have analyzed the effect of overtraining on TI. For example, Lazareva et al. (2004) and Lazareva and Wasserman (2006, 2012) explored the effect of overtraining the pair D+E-, as a way to increase associative strength for D, and the preference for D over B on the later test performance. In our study, we overtrained the pair C+D- (usually the most difficult discrimination to learn). Assuming value transfer, the overtraining of premise C+D- should have an indirect effect over the performance in premise B+C-. The latter premise should become more difficult to solve, because C gets more associative value through overtraining and, therefore, competes with premise B+ to receive the response. If only the direct associative strength is responsible for TI, then the effect of overtraining premise C+D- should be only a better discrimination in this pair without affecting the pigeon's performance in the B+C- pair. Subsequent performance during the test would be disrupted."

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

REFERENCES

Lazareva, O. F., Smirnova, A. A., Bagozkaja, M. S., Zorina, Z. A., Rayevsky, V. V., and Wasserman, E. A. (2004). Transitive responding in hooded crows requires linearly ordered stimuli. J. Exp. Anal. Behav. 82, 1–19. doi: 10.1901/jeab.2004.82-1 Lazareva, O. F., and Wasserman, E. A. (2006). Effect of stimulus orderability and reinforcement history on transitive

responding in pigeons. *Behav. Processes* 72, 161–172. doi: 10.1016/j.beproc.2006.01.008

Lazareva, O. F., and Wasserman, E. A. (2012). Transitive inference in pigeons: measuring the associative values of stimuli B and D. *Behav. Processes* 89, 244–255. doi: 10.1016/j.beproc.2011.12.001

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.

Copyright © 2019 Camarena, García-Leal, Burgos, Parrado and Ávila-Chauvet. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

OPEN ACCESS

Edited by:

Leonardo A. Ortega, Fundación Universitaria Konrad Lorenz, Colombia

*Correspondence:

Oscar García-Leal oscargl@cencar.udg.mx Héctor O. Camarena camarenaoctperez@outlook.com

Specialty section:

This article was submitted to Emotion Science, a section of the journal Frontiers in Psychology

Received: 10 December 2018 Accepted: 14 January 2019 Published: 30 January 2019

Citation:

Camarena HO, García-Leal O, Burgos JE, Parrado F and Ávila-Chauvet L (2019) Corrigendum: Transitive Inference Remains Despite Overtraining on Premise Pair C+D–. Front. Psychol. 10:99. doi: 10.3389/fpsyg.2019.00099

1