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### PUBLICATIONS<sup>1</sup>

#### Books

- (2004) Armando Machado and Francisco J. Silva, *The psychology of learning: A student workbook*, Prentice Hall.  
(2003) P. Killeen, A. Machado (eds.), *Theories in progress*, Behavioural Processes. 2003 Apr 28;62(1-3):VII-VIII.

#### Articles and Book Chapters

- (2009) Machado, A., Malheiro, M. T., Erlhagen, W. *Learning to time: A perspective*. Journal of the Experimental Analysis of Behavior, Vol. 92, 423-458.
- (2009) Machado, A., Oliveira, L. *Dupla bissecção temporal: Testes críticos de dois modelos de timing* [Double temporal bisection: Critical tests of two timing models]. Acta Comportamentalia, Vol. 17, 25-60.
- (2009) Monteiro, T., Machado, A. *Oscillations following periodic reinforcement*. Behavioural Processes, Vol. 81, 170-188.
- (2009) Maia, S., Machado, A. *Representations of time intervals in a double bisection task: Relative or absolute?* Behavioural Processes, Vol. 81, 280-285.
- (2009) Oliveira, L., Machado, A. *Context effect in a temporal bisection task with the choice keys available during the sample*. Behavioural Processes, Vol. 81, 286-292.
- (2009) Machado, A., Costa, A., Maia, S. *Directional selection of response numerosity: An exploratory study*. Revista Brasileira de Análise do Comportamento, Vol. 3, 259-278.
- (2008) Arantes, J., Machado, A. *Context effects in a temporal discrimination task: Further tests of the Scalar Expectancy Theory and Learning-to-Time models*. Journal of the Experimental Analysis of Behavior, Vol. 90, 33-51.
- (2008) Oliveira, L., Machado, A. *The effect of sample duration and cue on a double temporal discrimination*. Learning and Motivation, Vol. 39, 71-94.
- (2008) Machado, A., Keen, R., Macaux, E. *Making analogies work: A selectionist model of choice*. In Nancy K. Innis (Ed.), *Reflections on adaptive behavior: Essays in honor of J. E. R. Staddon*. The MIT Press.
- (2007) Guilhardi, P., MacInnis, M., Church, R., Machado, A. *Shifts in the psychophysical function in rats*. Behavioural Processes, Vol. 75, 167-175.
- (2007) Almeida, A., Arantes, J., Machado, A. *Numerosity discrimination in preschool children*. Journal of the Experimental Analysis of Behavior, Vol. 88, 339-354.
- (2007) Machado, A., Rodrigues, P. *The differentiation of response numerosities in the pigeon*. Journal of the Experimental Analysis of Behaviour, Vol. 88, 153-178.
- (2007) Machado, A., & Silva, F. *Toward a richer view of the scientific method: the role of conceptual analysis*. American Psychologist, Vol. 62, 671-681.
- (2007) Machado, A., Silva, F. *On the clarification of concepts: A reply to Gallistel and Lau*. American Psychologist, Vol. 62, 689-691.
- (2006) Machado A., Arantes J., *Further tests of the Scalar Expectancy Theory (SET) and the Learning-to-Time (LeT) model in a temporal bisection task*, Behavioural Processes, Jun 1;72(3):195-206.
- (2006) Machado A., Vasconcelos M., *Acquisition versus steady state in the time-left experiment*, Behavioural Processes, Feb 28;71(2-3):172-87.
- (2005) Machado A, Pata P., *Testing the scalar expectancy theory (SET) and the learning-to-time model (LeT) in a double bisection task*, Learning and Behavior, Feb;33(1):111-22.
- (2005) Armando Machado, *Experimental methods and conceptual confusion*, International Journal of Comparative Psychology, vol. 18, n.1, pp.28-33.
- (2004) Machado, A. *On behavior and philosophy*. The ABA International Newsletter, Vol. 27, N. 3, 9-10.
- (2004) Machado, A., Lourenço, O., Pinheiro, A., Silva, C *As duas faces de Janus da Psicologia em Portugal*. Análise Psicológica, Vol. 2, Nº2, 319-333.
- (2003) Machado, A. *Lessons from the "Problem of Points"*. The ABA Newsletter, Vol. 26, Nº.2, 36-37.

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<sup>1</sup> Not to be considered as full list. Updated: January 30, 2010

- (2003) Machado A, Keen R., *Temporal discrimination in a long operant chamber*, Behavioural Processes, Apr 28;62 (1-3):157-182.
- (2003) Killeen P, Machado A., *Theories in progress*, Behavioural Processes, Apr 28;62(1-3):
- (2003) Armando Machado and Francisco J. Silva, *You can lead an ape to a tool, but . . . : a review of povinelli's folk. Physics for apes: the chimpanzee's theory of how the World works*, Journal of the Experimental Analysis of Behavior, 79, 267–286 number 2 (march).
- (2002) Machado A, Killeen P., *SQAB 2001: An abundance of riches*, Behavioural Processes, Apr 28;57(2-3):65-69.
- (2002) Machado A, Keen R., *Relative numerosity discrimination in the pigeon: Further tests of the linear-exponential-ratio model*, Behavioural Processes, Apr 28;57(2-3):131-148.
- (2002) Machado, A. *Mathematics, concepts, and data*. The ABA Newsletter, Vol. 25, N°3, 27.
- (2002) Machado, A., Silva, F.J. *Animal Learning*. Encyclopedia of Cognitive Science. London, UK: Macmillan.
- (2001) Staddon, J.E.R., Machado, A., & Lourenco, O., *Plus ça change....Jost, Piaget and the Dynamics of Embodiment*, Behavioral and Brain Sciences, vol. 24, pp. 63-65.
- (2000) Armando Machado, Orlando Lourenço, Francisco J. Silva, *Facts, concepts, and theories: The shape of psychology's epistemic triangle*, Behavior and Philosophy, 28, 1- 40.
- (2000) Armando Machado and Paulo Guilhardi, *Shifts in the psychometric function and their implications for models of timing*, Journal of the Experimental Analysis of Behavior, 74, 25–54, 1 (July).
- (1999) Armando Machado and Richard Keen, *The learning of response patterns in choice situations*, Animal Learning & Behavior, 27 (3), 251-271.
- (1999) Armando Machado, *Of minds, brains, and behavior – A review of Uttal's (1998) "Toward a new behaviorism: The case against perceptual reductionism"*, Behavior and Philosophy, 27, 51-74.
- (1999) Machado, A., Keen, R. *Learning to time (LeT) or scalar expectancy theory (SET)? A critical test of two models of timing*. Psychological Science, Vol. 10, N°3, 285-290.
- (1999) Keen, R., Machado, A. *How pigeons discriminate the relative frequency of events*. Journal of the Experimental Analysis of Behaviour, Vol. 72, 151-175.
- (1999) Lourenço, O., Machado, A. *Toward the DeSokalization of Psychology: a commentary on Grobecker's (1998) "Redefining Mathematics 'disabilities'"*. The Genetic Epistemologist, Vol. 27, No. 3.
- (1999) Lourenço, O., Machado, A. *Rich conversation but vague theory*. Developmental Science, Vol. 2, Issue 1, 21-23.
- (1998) Armando Machado and Francisco J. Silva, *Greatness and misery in the teaching of the psychology of learning*, Journal of the Experimental Analysis of Behavior, 70, 215–234 number 2 (September) .
- (1998) Machado, A., Cevik, M. *Acquisition and extinction under periodic reinforcement*. Behavioural Processes, Vol. 44, 237-262.
- (1997) Machado, A., *Learning the temporal dynamics of behavior*. Psychological Review, Vol. 104, N°2, 241-265.
- (1997) Armando Machado, *Increasing the variability of response sequences in pigeons by adjusting the frequency of switching between two keys*, Journal of the Experimental Analysis of Behavior, 68, 1–25 number 1 (July).
- (1997) Armando Machado and Munire Cevik, *The discrimination of relative frequency by pigeons*, Journal of the Experimental Analysis of Behavior, 67, 11–41 number 1 (January).
- (1996) Orlando Lourenço, Armando Machado, *In defense of Piaget's Theory: A reply to 10 common criticisms*, Psychological Review, Vol. 103, No. 1, 143-164.
- (1994) Armando Machado, *Polymorphic response patterns under frequency-dependent selection*, Animal Learning & Behavior, 22 (1), 53-71.
- (1993) Davis, D. G. S., Staddon, J. E. R., Machado, A., & Palmer, R. G, *The process of recurrent choice*, Psychological Review, vol. 100, pp. 320-341.
- (1993) Machado, A. *Learning variable and stereotypical sequences of responses: Some data and a new model*. Behavioural Processes, Vol. 30, 103-130.
- (1993) Armando Machado, *Internal states: Necessary but not sufficient*, Journal of the Experimental Analysis of Behavior, Sep; 60(2):469-472.
- (1992) Machado, A. *Behavioral variability and frequency-dependent selection*. Journal of the Experimental Analysis of Behaviour, Vol. 58, 241-263.
- (1989) Machado, A. *Operant conditioning of behavioral variability using a percentile reinforcement schedule*. Journal of the Experimental Analysis of Behaviour, Vol. 52, 155-166.