

Accepted Manuscript

Title: Relational concept learning in domestic dogs:
Performance on a two-choice size discrimination task
generalises to novel stimuli

Authors: Sarah-Elizabeth Byosiere, Lynna C. Feng, Philippe
A. Chouinard, Tiffani J. Howell, Pauleen C. Bennett



PII: S0376-6357(17)30090-6
DOI: <https://doi.org/10.1016/j.beproc.2017.10.009>
Reference: BEPROC 3530

To appear in: *Behavioural Processes*

Received date: 25-2-2017
Revised date: 16-10-2017
Accepted date: 18-10-2017

Please cite this article as: Byosiere, Sarah-Elizabeth, Feng, Lynna C., Chouinard, Philippe A., Howell, Tiffani J., Bennett, Pauleen C., Relational concept learning in domestic dogs: Performance on a two-choice size discrimination task generalises to novel stimuli. *Behavioural Processes* <https://doi.org/10.1016/j.beproc.2017.10.009>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Relational concept learning in domestic dogs: Performance on a two-choice size
discrimination task generalises to novel stimuli

Sarah-Elizabeth Byosiere*

Lynna C. Feng

Philippe A. Chouinard

Tiffani J. Howell

Pauleen C. Bennett

School of Psychology and Public Health, La Trobe University, Victoria, Australia.

(*Corresponding author, s.byosiere@latrobe.edu.au; +61 3 5444 7317

Mailing address: P.O. Box 199, Bendigo, Victoria, 3552, Australia)

Highlights

- A two-choice discrimination task assessed relational class concept learning in dogs.
- Dogs exhibited conceptual behaviour in the form of relational concept learning.
- There were differences in dog's generalization capabilities across certain shapes.
- Behavioral stimulus generalization does not explain performance.

Abstract

One central issue in the study of animal cognition concerns conceptual behaviour, where an organism categorises objects, events, and relationships so as to transfer previously learned rules to novel contexts. In this study, we investigated whether or not dogs demonstrate conceptual behaviour in the form of simple relational class concept learning. A

Download English Version:

<https://daneshyari.com/en/article/8497040>

Download Persian Version:

<https://daneshyari.com/article/8497040>

[Daneshyari.com](https://daneshyari.com)