Linköping Studies in Science and Technology
Thesis No. 2264

Empirical Studies in Machine Psychology

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Linköping 2023

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ISBN 978-91-7929-505-9
ISSN 0345-7524

Printed by LiU-Tryck 2023

Abstract

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Preface

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CHAPTER 3

Operant Conditioning

3.1 Operant Conditioning

Operant conditioning is a type of learning that can be observed in most species, from fruit flies [1], invertebrates [2], to rats [3] and human beings [4].

3.2 Method

3.3 Results

3.4 Discussion

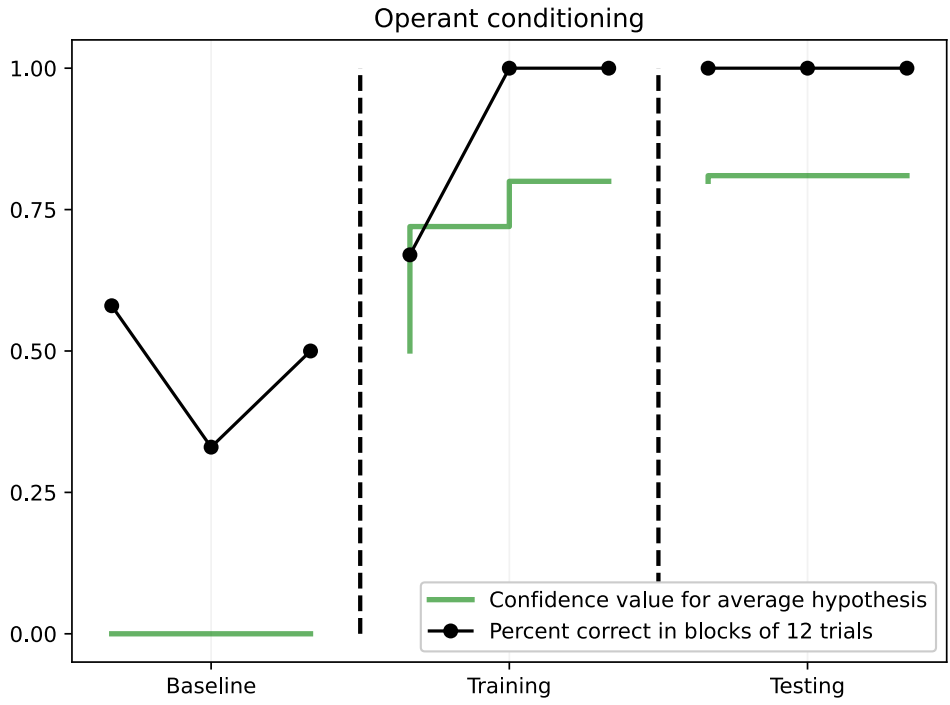

Figure 3.1. Learning in the form of operant conditioning. Dots illustrate the percent of correct in blocks of 12 trials. The solid line shows the NARS confidence value for specific hypotheses.

CHAPTER 4

Generalized Identity Matching

4.1 Introduction

4.2 Method

4.3 Results

4.4 Discussion

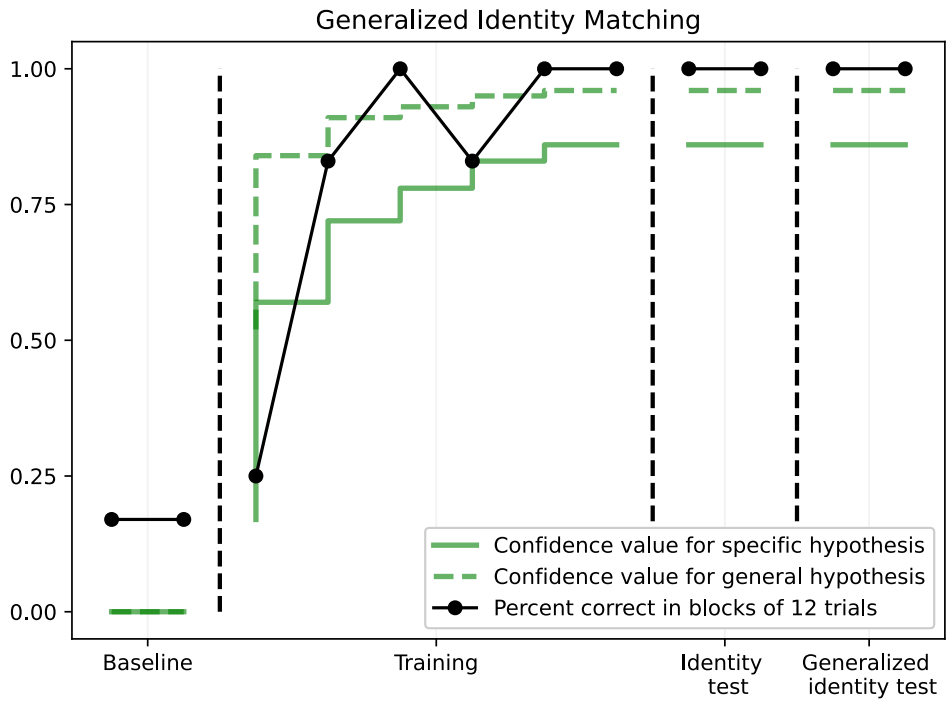

Figure 4.1. Learning generalized identity matching in the Match-to-sample task. Dots illustrate the percent of correct in blocks of 12 trials. The solid line shows the NARS confidence value for specific hypotheses (identity matching), while the dashed line illustrates the NARS confidence in general hypotheses (generalized identity matching).

CHAPTER 5

Conclusions and Future Work

5.1 Conclusions

5.2 Future Work

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