

# **Comparison of Procedures for Teaching Abstract Nouns in a Foreign Language**

#### Introduction

- Many computerized self-instruction programs for are commercially available for learning foreign languages (e.g., Duolingo<sup>®</sup>, Rosetta Stone<sup>®</sup>, Babbel<sup>®</sup>).
- Research on the effects of response contingencies in computer-assisted instruction (e.g., Kritch & Bostow, 1998) suggests that the more active responding is required from students, the better their learning outcomes.
- However, Smith et al. (in preparation) found that when teaching concrete foreign-language nouns, dense active response requirements did not improve performance over lean active response requirements.
- Goal: Replicate Smith et al. (in preparation) with abstract instead of concrete nouns. Abstract nouns are not easily represented by pictures and therefore, instruction relies more on text stimuli.
- Compared a pair-test (PT) condition with low density of active response requirements to a highdensity response contingency (HDRC) condition.

#### Participants

- Ten undergraduate students were recruited from a psychology department's subjects pool. No previous knowledge of Icelandic.
- Suitable computer and a quiet place to run the experiment
- SuperLab 6 software ran through Zoom "remote control" feature

ΡΤ	HDRC	HDRC	ΡΤ
Grimmd	Snilld	Grimmd	Snilld
Vitund	Svengd	Vitund	Svengd
Geta	Vissa	Geta	Vissa
Тар	Efi	Тар	Efi
Frelsi	Fyndi	Frelsi	Fyndi

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### Procedure

**Pre-and post-test:** 30 trials in random order. Three trials for each target:

1. Foreign-Native (FN) Intraverbal: "What is [foreign word] in English?"

2. Native-Foreign (NF) Intraverbal: "What is [English word] in Icelandic?

#### Acquisition phase

Grimmd Cruelty

Continue

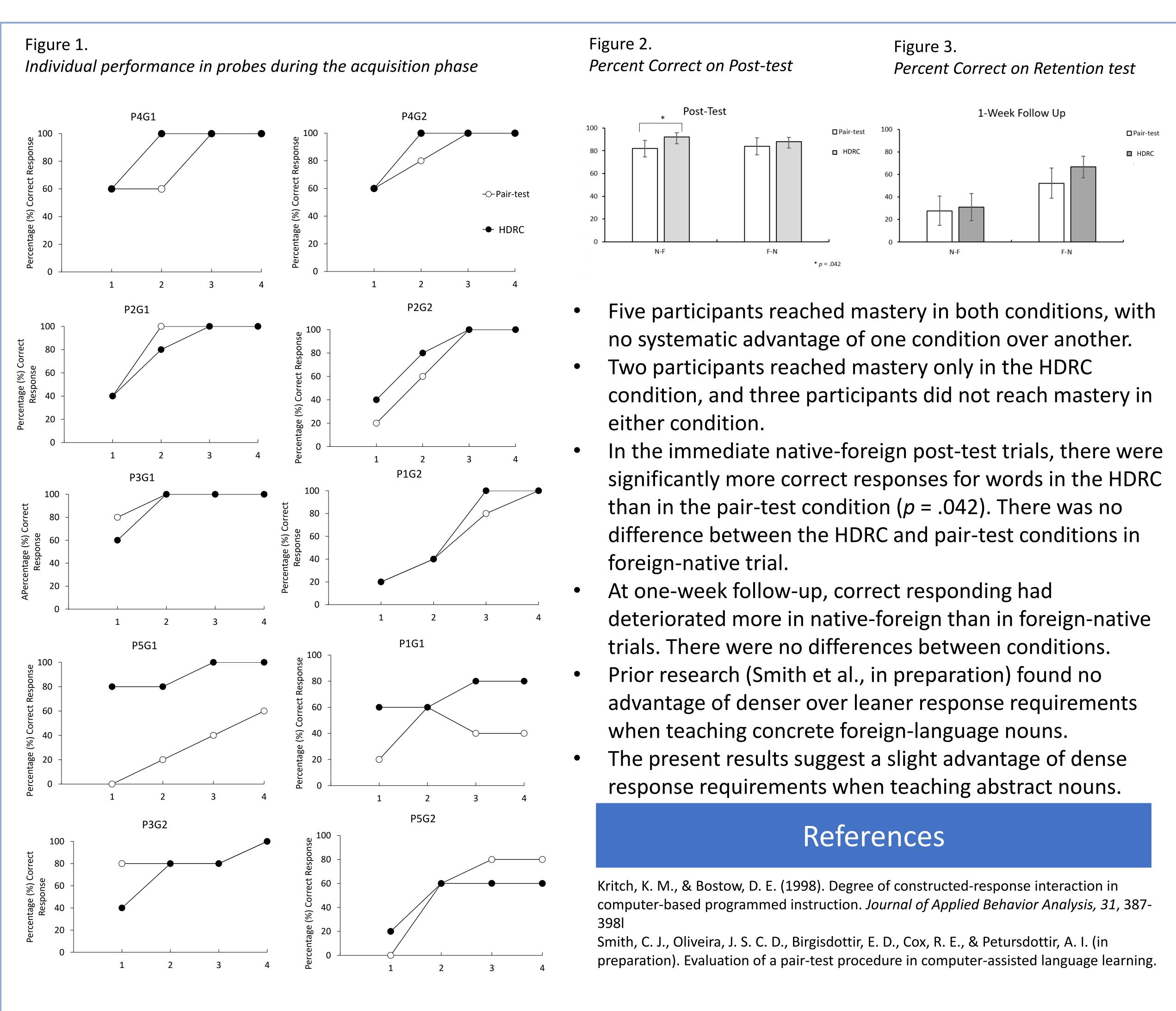
Grimmd Cruelty Type the word in Icelandic

Four 40-trial training subphases (20 pair-test and 20 HDRC trials), each followed by a 10-trial tact probe with feedback (correct/incorrect)

**Condition preference:** Assessed on a 7-point scale in a post-experimental questionnaire

**Retention Test:** Presented via Qualtrics a week after the initial experiment. Same questions as the comprehensive pre-and post-test but 60 trials presented in the order of (a) FN intraverbal, and (b) NF Intraverbal









#### Results and discussion