

Han Lee's Final Project

This repository contains files and folders related to the final project for the *Data Programming class (Spring 21)*. This includes raw data, experimental code, analyses, and storage for items such as images.

About the Study

2 (Focus level: global vs. local) x 3 (Run type: all congruent vs. congruent at position 2 vs. congruent at position 6) within subject design

Objective

This study tested whether multiple consecutive repetitions of compound stimuli would reduce the RT advantage and asymmetrical interference effects for the holistic form or global level when searching the lower details, or local level.

Procedure

The study was organized into blocks, or runs, of seven trials. Before each run, participants were assigned to a target (A, E, G, K, U) and focus level. Within each run, participants saw incongruent compound stimuli and had to locate the target at the focused level. The target was present at the focused level in each trial. We manipulated whether position two or six showed a congruent compound stimulus or an incongruent stimulus. Within each trial, participants had to either press the “present” key or “absent” key to indicate target presence. Participants had 2000 msec. to respond before the study moved participants to the next trial. Response times to press these keys were recorded along with errors or timed out trials.

Study Breakdown

Total number of runs: 190 - Broken down into Practice and Experimental runs.

- 10 Practice Runs: Feedbacks for correct, incorrect or timed out responses were given.
- 180 Experimental runs: Feedback for timed out responses were given and further broken down into Critical and Control runs
- 60 Control runs: Used as filler runs to add noise. Contained runs with a randomized number of missing, incongruent and congruent trials.
- 120 Critical runs: 20 runs per condition