Exploring Dwell Times for Dynamic Fractals

Scott Wallner[1, 2], Tess Sameshima[1, 2], & Benjamin Chaloupka[1, 2]

[1] University of Oregon

[2] Institute of Oregon

Author Note

Perception and Action Lab, Cognitivie Dynamics Lab, & Brain and Memory Lab

Abstract

Our primary research question is whether dwell times systematically differ between growth and decay sequences. We will examine this question both within and across subjects. Additionally, we are possibly interested in several exploratory analyses. For example, do specific fractal images elicit longer dwell times? Do specific levels of complexity elicit longer dwell times? Is there a dwell time pattern when fractal iterations are presented randomly? Does dwell time systematically decrease over time (if so, we may need to normalize dwell times to account for this)?

Keywords: fractals, dwell times, growth and decay sequences

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Methods

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

Participants

Material

Procedure

Data analysis

We used R (Version 3.6.3; R Core Team, 2020) and the R-package *papaja* (Version 0.1.0.9942; Aust & Barth, 2020) for all our analyses.

Results

Discussion

References

Aust, F., & Barth, M. (2020). *papaja: Create APA manuscripts with R Markdown*. Retrieved from https://github.com/crsh/papaja

R Core Team. (2020). *R: A language and environment for statistical computing*. Vienna, Austria: R Foundation for Statistical Computing. Retrieved from https://www.R-project.org/