# Exploring Dwell Times for Dynamic Fractals

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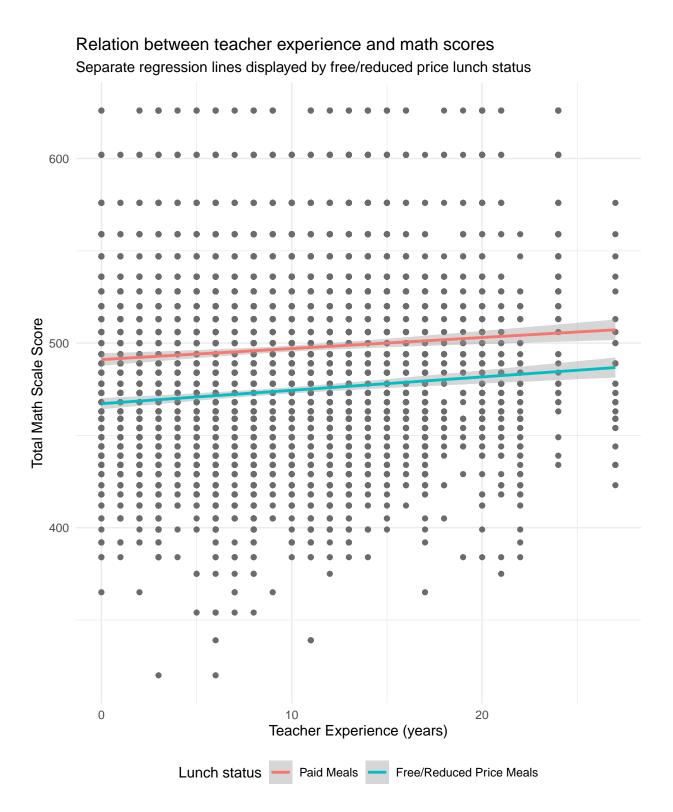
## Author Note

#### 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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On average students who paid for their meals had a higher overall total math score. It does

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not seem that teacher experience has a strong effect on total math score. Perhaps the difference between paid or free meals relates to the students SES which has an effect on total math score.

#### 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 3.6.1; R Core Team, 2020) and the R-packages dplyr (Version 1.0.2; Wickham et al., 2020), forcats (Version 0.5.0; Wickham, 2020a), ggplot2 (Version 3.3.2; Wickham, 2016), here (Version 0.1; Müller, 2017), janitor (Version 2.0.1; Firke, 2020), papaja (Version 0.1.0.9997; Aust & Barth, 2020), purrr (Version 0.3.4; Henry & Wickham, 2020), readr (Version 1.4.0; Wickham & Hester, 2020), rio (Version 0.5.16; Chan, Chan, Leeper, & Becker, 2018), stringr (Version 1.4.0; Wickham, 2019), tibble (Version 3.0.4; Müller & Wickham, 2020), tidyr (Version 1.1.2; Wickham, 2020b), and tidyverse (Version 1.3.0; Wickham, Averick, et al., 2019) for all our analyses.

### Results

## Discussion

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