**Exploring Dwell Times for Dynamic Fractal Growth and Decay Sequences**

Description of Data: Participants viewed images of fractals. Each fractal was presented as a series of iterations of the same fractal, varying in complexity. Participants viewed fractal images as they grow in complexity, and then as they decay. In a separate session, participants viewed all iterations of all fractals in a random order. Participants viewed fractals on a computer and were instructed to use the keyboard to advance to the next image when they were ready. The dwell time – the time a participant spent viewing a single image before advancing to the next – was recorded for each fractal image.

Description of Preparatory Work: Data is currently in wide format. For ease of analysis, data will be converted to long format in R. Data will be inspected and cleaned additionally if needed. At this point, data can be visualized and summarized easily.

Final Project Preview: 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)?