

## SIMPLE SIMON MEMORY TEST

The purpose of this experiment is to test working memory capacity with a simple Simon memory protocol. The experiment will measure the impact of changing the interstimulus interval (ISI) between tactile stimuli on the subject's ability to respond with the correct pattern sequence delivered by the Brain Gauge. Some subjects will test with a default ISI while others test with a lengthened ISI. Most people take about 10 minutes to complete the test and struggle to consistently remember pattern beyond six elements; how well will you perform on this test?

### Materials

Computer, Brain Gauge, flat surface

### Duration:

One of two tests which should take around 15 or so minutes

### Contact Info:

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### Important Note:

- ❖ Initial runs with the test have it stalling after receiving a response from the subject during the 1<sup>st</sup> training tutorial. If this occurs, try and restart the test and email Matthew about any issues.

### Procedure:

1. Retrieve the computer and Brain Gauge for use in the test battery
2. Plug in the Brain Gauge and start the Brain Gauge app
3. Log out of any accounts you may already be logged into
4. Log into this account
  - a. Email: [fall2020-group21@cmetrics.co](mailto:fall2020-group21@cmetrics.co)
  - b. Password: fall2020
5. Enter the subject ID number corresponding to your Brain Gauge (2020-####)
  - a. If ODD subject ID (end in 1, 3, 5, 7, 9) select Simon Short test battery
  - b. If EVEN subject ID (end in 0, 2, 4, 6, 8) select Simon Long test battery
6. DISABLE SwiftClick option by unchecking the box next to it
7. Click the Start Testing button to begin the test
8. Run the battery to completion and try your best to remember the patterns

Thank you for your participation and bearing with any potential issues.