

Simon Task

Title	Simon Task
Domain	Self-Regulation
Type	Behavioral
Duration (min)	8
Description	Subjects must make a leftward response to one shape (e.g., a circle) and a rightward response to a second shape (e.g., square). The shapes are variably presented on either the right or left side of the display, resulting in a congruent trial when the shape is presented on the same side of the screen as its corresponding response, and an incongruent trial when the shape is presented on the opposite side of the screen from its corresponding response.
OSF Link	https://osf.io/br2c9/
Adult/Child	adult
Computerized	
Identified	1
Identified Description	The Simon task is a measure of interference/conflict resolution. In the Simon task, subjects make a rightward response to one stimulus (e.g., a circle) and a leftward response to another (e.g., a square). The stimuli are sometimes presented on the right side of the display and sometimes on the left. The location/side of the display is irrelevant to the task. The main dependent measure of interest contrasts reaction time and accuracy when the stimulus and side of the display match (congruent trials, e.g., a circle on the right side of the screen) with when the stimulus and side of the display do not match (incongruent trials, e.g., a circle on the left side of the screen). This Simon Effect is taken as a measure of interference or conflict between a goal-relevant dimension (e.g., the identity of the shape) and a non goal-relevant dimension (the location of the shape).
Identified Supporting Documentation	
Identified PMCID, PUBMED ID, or CITATION	Text Citation: Simon, J. R. (1969). Reactions toward the source of stimulation. Journal of Experimental Psychology, 81(1), 174-176.

Measured	
Measured Description	
Measured Supporting Documentation	
Measured PMCID, PUBMED ID, or CITATION	
Influenced	
Influenced Description	
Influenced Supporting Documentation	
Influenced PMCID, PUBMED ID, or CITATION	
Outcome (Validated vs Invalidated)	
Outcome	
Outcome Description	
Outcome Supporting Documentation	
Outcome PMCID, PUBMED ID, or CITATION	
Owner	Teon Brooks Send email to Teon