

Stimulus Selective Stop Signal Task

Title	Stimulus Selective Stop Signal Task
Domain	Self-Regulation
Type	Behavioral
Duration (min)	22
Description	Similar to the traditional Stop Signal task except subjects stop to one "stop signal" (e.g., the imperative go stimulus turning blue) but not to another, similar "ignore signal" (e.g., the imperative go stimulus turning orange)
OSF Link	https://osf.io/br2c9/
Adult/Child	adult
Computerized	
Identified	1
Identified Description	The stimulus selective stop-signal task melds two fundamental process: response inhibition and response selection, which are both important for goal-directed behavior and self-regulation. The stimulus selective stop-signal task is a variant of the simple stop-signal task in which subjects must stop to one stimulus (e.g., an orange stimulus), the stop signal, but not to a second stimulus (e.g., a blue stimulus), the ignore signal. This task also aims to be more like stopping in “the real world”, in which stopping must occur in response to certain stimuli (e.g., a red light) but not to other similar stimuli (e.g., a green light). The common finding is that stop-signal reaction time (SSRT), the main dependent measure for response inhibition in stopping tasks, is prolonged in the stimulus selective stopping task when compared to the more canonical simple stopping task. This prolongation of SSRT is taken as evidence of resource/capacity sharing Bissett & Logan, 2014; Verbruggen & Logan, 2015) or the adoption of different strategies to resolve the concurrent demands of selection and inhibition (Bissett & Logan, 2014).
Identified Supporting Documentation	
Identified PMCID, PUBMED ID, or CITATION	Text Citation: Bissett, P. G., & Logan, G. D. (2014). Selective Stopping? Maybe not. Journal of Experimental Psychology: General, 143, 455-472.

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