

Go-No Go Task

Title	Go-No Go Task
Domain	Self-Regulation
Type	Self-report
Duration (min)	7
Description	Subjects are required to respond to one stimulus (the "go" stimulus) and not to another (the "no-go" stimulus). The go stimulus is usually presented more frequently than the no-go stimulus, resulting in a prepotency to respond on all trials.
OSF Link	https://osf.io/br2c9/
Adult/Child	adult
Computerized	
Identified	1
Identified Description	The go/no-go task putatively measures response inhibition, a core construct in cognitive control and self-regulation. The go/no-go task requires subjects to respond to certain stimuli, the go stimuli (e.g., a circle), but not others, the no-go stimuli (e.g., a square). When the probability of the go and no-go stimuli are similar, there are very few commission errors on no-go trials, as subjects putatively treat the task as a simple choice between two alternatives, much like the choice RT task (Wessel, 2017). However, the probability of a go stimulus is often higher than the probability of a no-go stimulus, which results in putative “prepotency” to respond (i.e., a strong, perhaps automatic tendency towards responding). Therefore, when the infrequent no-go stimuli occur, subjects must overcome this prepotency to respond, which putatively involves response inhibition. The main dependent measure in go/no-go tasks are commission error rate on no-go trials; fewer errors signifies better response inhibition that is able to overcome the prepotency to respond.
Identified Supporting Documentation	
Identified PMCID, PUBMED ID, or CITATION	Text Citation: F.C. Donders, On the speed of mental processes, Acta Psychologica, Volume 30, 1969, Pages 412-431, ISSN 0001-6918, http://dx.doi.org/10.1016/0001-6918(69)90065-1 .

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