

Local-Global Task

Title	Local-Global Task
Domain	Self-Regulation
Type	Behavioral
Duration (min)	8
Description	In the local–global task, a geometric figure often called a Navon figure (Navon, 1977), in which the lines of the “global” figure (e.g., a triangle) were composed of much smaller, “local” figures (e.g., squares), was presented on the computer screen. Depending on the color of the figure (either blue or black), participants were instructed to indicate by button press the number of lines (i.e., 1 for a circle, 2 for an X, 3 for a triangle, and 4 for a square) in the global, overall figure (blue) or the local, smaller figures (black).
OSF Link	https://osf.io/br2c9/
Adult/Child	adult
Computerized	
Identified	1
Identified Description	The local-global task measures the ability to focus attention a specific feature while resisting distraction from other features, which are important putative aspects of self-regulation. In the local-global task, subjects see large letters (e.g., H or X) made up of smaller letters (e.g., H or X). Subjects are instructed to respond to either the global feature, the large letter, or the local feature, the smaller letters that make up the larger letter, while ignoring the non-instructed feature. Subjects tend to be faster and more accurate when the local and global features match (e.g., an H made up of H's) than when they differ (e.g., an H made up of X's). This primary dependence measure, the local-global interference effect, is particularly large when subjects are asked to focus on the local level.
Identified Supporting Documentation	
Identified PMCID, PUBMED ID, or CITATION	Text Citation: Navon, D. (1977). Forest before trees: The precedence of global features in visual perception. <i>Cognitive Psychology</i> , 9, 353-383.

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