

Resource Summary Report

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Colorado Assessment Tests: n-Back

RRID:SCR_003517

Type: Tool

Proper Citation

Colorado Assessment Tests: n-Back (RRID:SCR_003517)

Resource Information

URL: <http://www.catstests.com/Product07.htm>

Proper Citation: Colorado Assessment Tests: n-Back (RRID:SCR_003517)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 17, 2013. The modifiable n-Back test is free software presumed to measure executive control of the updating of information in working memory. The task requires the participant to monitor some dimension (e.g. content, position, numerosity) of a temporally present sequence of items, responding when the currently presented item matches on the relevant dimension an item that was just recently presented. The match can be with an item present either 1 back, 2 back, 3 back or n back. Considerable flexibility is provided to the experimenter in specifying various parameters of the experiment (e.g. presentation rate, n back, content, position, color). The n-Back test is presumed to measure executive control of the updating of information in working memory. (Shimamura, 2000) Watter, Geffen and Geffen (2001) based on their work with the P300 event-related-potential have suggested that the n-Back is a dual task in that latencies of the P300 did not change with increasing task difficulty, that is memory load while amplitude did reflecting in their view a reallocation of attention and processing capacity away from the matching subtask. The n-Back task is one in which the participant is presented a series of stimuli at a constant rate. The task of the participant is to determine if the currently presented stimulus is similar (along some dimension) to one they have recently (usually one, two or three positions back) seen in the stream. Match criteria can be dimensions like material, position on the screen, color or some combination. CATs n-Back allows for substantial control over the position in which the material is presented (nine different positions), the nature of the material (any character or dingbat string, and any color. The experimenter can set the speed at which the sequence is presented including both the stimulus on time and the inter-stimulus interval. Participant responses can be made either using the keyboard or the mouse. At this time no normative data is available for this test.

Abbreviations: CAT n-Back

Synonyms: n-Back

Resource Type: assessment test provider, material resource

Keywords: dual task, executive control, assessment, human, response to stimulus, working memory

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Colorado Assessment Tests: n-Back

Resource ID: SCR_003517

Alternate IDs: nif-0000-00212

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260725T191227+0000

Ratings and Alerts

No rating or validation information has been found for Colorado Assessment Tests: n-Back.

No alerts have been found for Colorado Assessment Tests: n-Back.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.