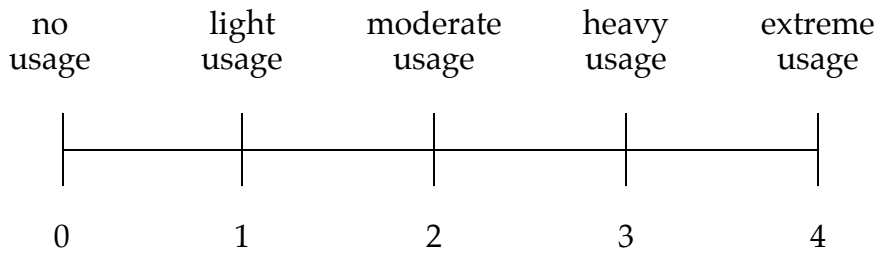


MULTIPLE RESOURCES QUESTIONNAIRE for task _____

The purpose of this questionnaire is to characterize the nature of the mental processes used in the task with which you have become familiar. Below are the names and descriptions of several mental processes. Please read each carefully so that you understand the nature of the process. Then rate the task on the extent to which it uses each process, using the following scale.



Important:

All parts of a process definition should be satisfied for it to be judged as having been used. For example, recognizing geometric figures presented visually should **not** lead you to judge that the "Tactile figural" process was used, just because figures were involved. For that process to be used, figures would need to be processed tactilely (i.e., using the sense of touch).

Please judge the task as a **whole**, averaged over the time you performed it. If a certain process was used at one point in the task and not at another, your rating should **not** reflect "peak usage" but should instead reflect **average** usage over the entire length of the task.

Auditory emotional process -- Required judgments of emotion (e.g., tone of voice or musical mood) presented through the sense of hearing. _____

Auditory linguistic process -- Required recognition of words, syllables, or other verbal parts of speech presented through the sense of hearing. _____

Facial figural process -- Required recognition of faces, or of the emotions shown on faces, presented through the sense of vision. _____

Facial motive process -- Required movement of your own face muscles, unconnected to speech or the expression of emotion. _____

Manual process -- Required movement of the arms, hands, and/or fingers. _____

Short term memory process -- Required remembering of information for a period of time ranging from a couple of seconds to half a minute. _____

Spatial attentive process -- Required focusing of attention on a location, using the sense of vision. _____

Spatial categorical process -- Required judgment of simple left-versus-right or up-versus-down relationships, without consideration of precise location, using the sense of vision. _____

Spatial concentrative process -- Required judgment of how tightly spaced are numerous visual objects or forms. _____

Spatial emergent process -- Required "picking out" of a form or object from a highly cluttered or confusing background, using the sense of vision. _____

Spatial positional process -- Required recognition of a precise location as differing from other locations, using the sense of vision. _____

Spatial quantitative process -- Required judgment of numerical quantity based on a nonverbal, nondigital representation (for example, bargraphs or small clusters of items), using the sense of vision. _____

Tactile figural process -- Required recognition or judgment of shapes (figures), using the sense of touch. _____

Visual lexical process -- Required recognition of words, letters, or digits, using the sense of vision. _____

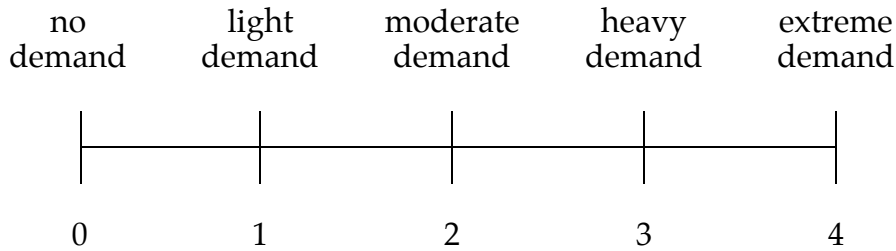
Visual phonetic process -- Required detailed analysis of the sound of words, letters, or digits, presented using the sense of vision. _____

Visual temporal process -- Required judgment of time intervals, or of the timing of events, using the sense of vision. _____

Vocal process -- Required use of your voice. _____

GLOBAL RATING QUESTIONNAIRE for task _____

We would also like to characterize the task in terms of "global" demand on the person performing it. Below are the names and descriptions of several global dimensions. Please read each carefully so that you understand the nature of the dimension. Then rate the task on the extent to which it uses each dimension, using the following scale.



Overall demand -- Required overall demand on the performer. _____

Time demand -- Required time pressure on the performer, including pressure to perform continuously without lapse of attention. _____

Mental demand -- Required mental and perceptual demand on the performer. _____

Stress demand -- The anxiety, confusion, and frustration experienced by the performer. _____