Wisconsin card sorting test

CONCEPTS
- Cognitive control
  - Total number of categories achieved
- Conceptual skill
  - Total number of categories achieved
- Set shifting
  - Failure to maintain set
  - Total number of categories achieved
  - Total number of categories achieved
- Working memory
  - Failure to maintain set
- Task switching
  - Perseverative errors

CONTRASTS
- First category
- Subsequent categories
  - Perseverative errors
  - Nonperseverative errors
  - Failure to maintain set
  - Total number of categories achieved

INDICATORS
- Number of trials
- Percentage of trials

No relations have yet been associated.

Wisconsin card sorting test

The participant is presented with stimulus cards with shapes on them. The cards differ in color of the shapes, number of the shapes, and the form of the shapes. The participant is asked to sort these cards into two piles. The participant is not told what stimulus dimension to use in order to sort the cards, but the administrator tells the participant if a particular match is correct. During the test, the sorting rules are changed and the participant must discover the new sorting rule in order to be successful.

Synonyms: WCST
Definition contributed by MLewis about five years ago
No relations have yet been associated.
Experimental conditions are the subsets of an experiment that define the relevant experimental manipulation.

This page also available as:

DISCUSSION

"This one turns out to be tricky. What I have done is to code each category of error as a "condition" - even though these are not proper experimental conditions, they are like conditions in that they lead to different measures of performance. The reason I need to do this is that assertions link to contrasts, not to indicators."

RPoldrack (about seven years ago)

"I have edited the description to simply describe the task and not to claim that it involves any particular mental function (such as "task switching"). To note that WCST measures task switching, you should create an assertion that links these two concepts, which I have also done."

RPoldrack (about seven years ago)

BIBLIOGRAPHY

No studies have been associated yet.