The Delis-Kaplan Executive Function System (D‑KEFS) consists of nine tests designed to detect dysfunction at the executive level of mental processes. The data included in the accompanying file(s) consist of raw scores from two of the D‑KEFS tests: the D‑KEFS Card Sorting task and the Color‑Word Interference task.

Each of the 3he testing sessions (Pre, Post & Delayed Post) consisted of a neuropsychological test battery of 25 different tests and lasted approximately 3 hours. The second test battery was administered approximately 60 days after the first session, and the third test battery was administered approximately 90 days after the first.

The attrition rate between test time-points combined with the relatively small number of participants, resulted in data that is often very skewed, sometimes multi-modal, and mostly non‑normally distributed.

* The "dkefs\_cs\_nn.csv" contains the raw scores from the DKEFS Card Sorting task and includes 33 variables (plus the participant ID and the training group assignment, see below).

|  |  |
| --- | --- |
| **D-KEFS Card Sorting Task Variables** | |
| **Variable** | **Variable Long Name\*** |
| DOD\_ID | Participant ID |
| TGroup | Training Group |
| T1\_CS\_Cnd1\_Cor\_Srts\_RS | (Pre) Card Sorting Condition 1: Correct Sorts RS |
| T1\_CS\_Cnd1\_Desc\_RS | (Pre) Card Sorting Condition 1: Description RS |
| T1\_CS\_Cnd1\_CorVrbSrts\_RS | (Pre) Card Sorting Condition 1: Correct Verbal Sorts RS |
| T1\_CS\_Cnd1\_Percep\_Srts\_RS | (Pre) Card Sorting Condition 1: Perceptual Sorts RS |
| T1\_CS\_Cnd1\_PctSrtAcc\_RS | (Pre) Card Sorting Condition 1: Sort Accuracy (pct) |
| T1\_CS\_Cnd1\_TimeSrtRatio\_RS | (Pre) Card Sorting Condition 1: Time/Sort Ratio RS |
| T1\_CS\_Cnd1\_PctDesc\_RS | (Pre) Card Sorting Condition 1: Description (pct) RS |
| T1\_CS\_Cnd2\_Desc\_RS | (Pre) Card Sorting Condition 2: Description RS |
| T1\_CS\_Cmb\_DescVrb\_RS | (Pre) Card Sorting Combined Description & Verbal RS |
| T1\_CS\_CmbDescPercept\_RS | (Pre) Card Sorting Combined Description & Perceptual RS |
| T1\_CS\_Cmb\_KDK\_RS | (Pre) Card Sorting Combined Know-Don't-Know RS |
| T2\_CS\_Cnd1\_Cor\_Srts\_RS | (Post) Card Sorting Condition 1: Correct Sorts RS |
| T2\_CS\_Cnd1\_Desc\_RS | (Post) Card Sorting Condition 1: Description RS |
| T2\_CS\_Cnd1\_CorVrbSrts\_RS | (Post) Card Sorting Condition 1: Correct Verbal Sorts RS |
| T2\_CS\_Cnd1\_Percep\_Srts\_RS | (Post) Card Sorting Condition 1: Perceptual Sorts RS |
| T2\_CS\_Cnd1\_PctSrtAcc\_RS | (Post) Card Sorting Condition 1: Sort Accuracy (pct) |
| T2\_CS\_Cnd1\_TimeSrtRatio\_RS | (Post) Card Sorting Condition 1: Time/Sort Ratio RS |
| T2\_CS\_Cnd1\_PctDesc\_RS | (Post) Card Sorting Condition 1: Description (pct) RS |
| T2\_CS\_Cnd2\_Desc\_RS | (Post) Card Sorting Condition 2: Description RS |
| T2\_CS\_Cmb\_DescVrb\_RS | (Post) Card Sorting Combined Description & Verbal RS |
| T2\_CS\_CmbDescPercept\_RS | (Post) Card Sorting Combined Description & Perceptual RS |
| T2\_CS\_Cmb\_KDK\_RS | (Post) Card Sorting Combined Know-Don't-Know RS |
| T3\_CS\_Cnd1\_Cor\_Srts\_RS | (DPost) Card Sorting Condition 1: Correct Sorts RS |
| T3\_CS\_Cnd1\_Desc\_RS | (DPost) Card Sorting Condition 1: Description RS |
| T3\_CS\_Cnd1\_CorVrbSrts\_RS | (DPost) Card Sorting Condition 1: Correct Verbal Sorts RS |
| T3\_CS\_Cnd1\_Percep\_Srts\_RS | (DPost) Card Sorting Condition 1: Perceptual Sorts RS |
| T3\_CS\_Cnd1\_PctSrtAcc\_RS | (DPost) Card Sorting Condition 1: Sort Accuracy (pct) |
| T3\_CS\_Cnd1\_TimeSrtRatio\_RS | (DPost) Card Sorting Condition 1: Time/Sort Ratio RS |
| T3\_CS\_Cnd1\_PctDesc\_RS | (DPost) Card Sorting Condition 1: Description (pct) RS |
| T3\_CS\_Cnd2\_Desc\_RS | (DPost) Card Sorting Condition 2: Description RS |
| T3\_CS\_Cmb\_DescVrb\_RS | (DPost) Card Sorting Combined Description & Verbal RS |
| T3\_CS\_CmbDescPercept\_RS | (DPost) Card Sorting Combined Description & Perceptual RS |
| T3\_CS\_Cmb\_KDK\_RS | (DPost) Card Sorting Combined Know-Don't-Know RS |

\*Pre, Post and DPost refer to the 3 testing time‑points (also called T1, T2 and T3).

* The "dkefs\_cw\_nn.csv" file contains the raw scores from the DKEFS Color-Word Interference task, including 24 test variables (plus the ID and Training Group variables, see below).

|  |  |
| --- | --- |
| **D-KEFS Color-Word Interference Task Variables** | |
| **Variable** | **Variable Long Name\*** |
| T1\_CW\_Cnd1\_RS | "(Pre) CW Condition 1 Color Naming RS" |
| T1\_CW\_Cnd2\_RS | "(Pre) CW Condition 2 Word Reading RS" |
| T1\_CW\_Cnd3\_RS | "(Pre) CW Condition 3 Inhibition RS" |
| T1\_CW\_Cnd4\_RS | "(Pre) CW Condition 4 Inhibition/Switching RS" |
| T1\_CW\_Cnd1\_TotErrs\_RS | "(Pre) CW Condition 1 Total Errors RS" |
| T1\_CW\_Cnd2\_TotErrs\_RS | "(Pre) CW Condition 2 Total Errors RS" |
| T1\_CW\_Cnd3\_TotErrs\_RS | "(Pre) CW Condition 3 Total Errors RS" |
| T1\_CW\_Cnd4\_TotErrs\_RS | "(Pre) CW Condition 4 Total Errors RS" |
| T2\_CW\_Cnd1\_RS | "(Post) CW Condition 1 Color Naming RS" |
| T2\_CW\_Cnd2\_RS | "(Post) CW Condition 2 Word Reading RS" |
| T2\_CW\_Cnd3\_RS | "(Post) CW Condition 3 Inhibition RS" |
| T2\_CW\_Cnd4\_RS | "(Post) CW Condition 4 Inhibition/Switching RS" |
| T2\_CW\_Cnd1\_TotErrs\_RS | "(Post) CW Condition 1 Total Errors RS" |
| T2\_CW\_Cnd2\_TotErrs\_RS | "(Post) CW Condition 2 Total Errors RS" |
| T2\_CW\_Cnd3\_TotErrs\_RS | "(Post) CW Condition 3 Total Errors RS" |
| T2\_CW\_Cnd4\_TotErrs\_RS | "(Post) CW Condition 4 Total Errors RS" |
| T3\_CW\_Cnd1\_RS | "(DPost) CW Condition 1 Color Naming RS" |
| T3\_CW\_Cnd2\_RS | "(DPost) CW Condition 2 Word Reading RS" |
| T3\_CW\_Cnd3\_RS | "(DPost) CW Condition 3 Inhibition RS" |
| T3\_CW\_Cnd4\_RS | "(DPost) CW Condition 4 Inhibition/Switching RS" |
| T3\_CW\_Cnd1\_TotErrs\_RS | "(DPost) CW Condition 1 Total Errors RS" |
| T3\_CW\_Cnd2\_TotErrs\_RS | "(DPost) CW Condition 2 Total Errors RS" |
| T3\_CW\_Cnd3\_TotErrs\_RS | "(DPost) CW Condition 3 Total Errors RS" |
| T3\_CW\_Cnd4\_TotErrs\_RS | "(DPost) CW Condition 4 Total Errors RS" |

\*Pre, Post and DPost refer to the 3 testing time‑points (also called T1, T2 and T3).

Text (tab delimited) files are also included for each of these tests.

SAS setup files with a univariate analysis are also included.

Please contact Barry Rodgers, Research Assistant II, if you have any questions or need further explanation (bnrodgers@utdallas.edu).

Thank you,

The Daniel Krawczyk Lab

University of Texas at Dallas

Center for Brain Health