**APPENDIX 1**

**Failures in Sequence for Each Task**

Coffee task

* To pour milk in the cup before pouring it into the pan.
* To stir milk before heating the milk.
* To heat the cup before pouring milk into the cup.
* To stir sugar and coffee before adding milk.

Toast task

* To lower the button/lever before inserting the slice of bread.
* To spread butter before toasting the slice of bread.
* To add jam before spreading butter.
* To add jam and butter before taking the slice of bread.

**APPENDIX 2**

**Spearman Correlations between Target, Non-target Error Scores, and Tangential Steps and Neuropsychological Measures (Collapsed across Both Conditions)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  <TB> |  | **MMSE** | **Naming** | **Praxias** | **R-AVLTST FRecall** | **R-AVLT LTFRecall** | **R-AVLTFalse alarms** | **R-AVLTOmissions** | **INECO** | **Semantic Fluency** |
| **TARGET ERROR SCORE**  | Coefficient correlation | -,476\*\* | -,068 | -,306\*\* | -,367\*\* | -,371\*\* | ,320\*\* | ,069 | -,460\*\* | -,421\*\* |
| Sig. (bilateral) | ,000 | ,532 | ,004 | ,000 | ,000 | ,003 | ,529 | ,000 | ,000 |
| *N* | 87 | 86 | 86 | 87 | 87 | 85 | 85 | 83 | 86 |
| **NON-TARGET ERROR SCORE**  | Coefficient correlation | -,337\*\* | -,166 | -,242\* | -,256\* | -,323\*\* | ,162 | ,113 | -,304\*\* | -,278\*\* |
| Sig. (bilateral) | ,001 | ,127 | ,025 | ,017 | ,002 | ,138 | ,304 | ,005 | ,009 |
| *N* | 87 | 86 | 86 | 87 | 87 | 85 | 85 | 83 | 86 |
| **TANGENTIAL STEPS**  | Coefficient correlation | -,289\*\* | -,113 | -,033 | -,174 | -,328\*\* | ,034 | ,209 | -,268\* | -,200 |
| Sig. (bilateral) | ,007 | ,299 | ,766 | ,107 | ,002 | ,755 | ,054 | ,014 | ,065 |
| *N* | 87 | 86 | 86 | 87 | 87 | 85 | 85 | 83 | 86 |

**APPENDIX 3**

**Spearman Correlations between Target, Non-target Error Scores, and Tangential Steps and Neuropsychological Measures for the *Contextually Related* Condition (CRC) Alone**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  <TB> |  | **MMSE** | **Naming** | **Praxias** | **R-AVLTST FRecall** | **R-AVLT LTFRecall** | **R-AVLTFalse alarms** | **R-AVLTOmissions** | **INECO** | **Semantic Fluency** |
| **TARGET ERROR SCORE in CRC** | Coefficient correlation | -,427\*\* | -,043 | -,367\*\* | -,367\*\* | -,340\*\* | ,310\*\* | ,079 | -,448\*\* | -,409\*\* |
| Sig. (bilateral) | ,000 | ,691 | ,001 | ,000 | ,001 | ,004 | ,475 | ,000 | ,000 |
| *N* | 87 | 86 | 86 | 87 | 87 | 85 | 85 | 83 | 86 |
| **NON-TARGET ERROR SCORE IN CRC** | Coefficient correlation | -,290\*\* | -,106 | -,250\* | -,145 | -,263\* | ,091 | ,057 | -,287\*\* | -,218\* |
| Sig. (bilateral) | ,007 | ,334 | ,020 | ,180 | ,014 | ,405 | ,607 | ,008 | ,044 |
| *N* | 87 | 86 | 86 | 87 | 87 | 85 | 85 | 83 | 86 |
| **TANGENTIAL STEPS IN CRC** | Coefficient correlation | -,331\*\* | -,072 | -,049 | -,190 | -,341\*\* | ,024 | ,225\* | -,315\*\* | -,218\* |
| Sig. (bilateral) | ,002 | ,511 | ,653 | ,078 | ,001 | ,825 | ,038 | ,004 | ,043 |
| *N* | 87 | 86 | 86 | 87 | 87 | 85 | 85 | 83 | 86 |

<TFN>

\**p* < .005.

\*\**p* < .001.

CRC = Contextually Related Condition; MMSE = Mini Mental-State Examination; R-AVLT STFRecall = Short Term Memory of Rey Auditory Verbal Learning Test; R-AVLT LTFRecall = Long Term Memory of Rey Auditory Verbal Learning Test; INECO = INECO Frontal Screening.

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