**Within Outliers Summary**

* Steps we took:
  + Came up with variable pairs (selected and verified by Greg and Brianna) across and within the measures known to be correlated
  + Ran the regression diagnostics and identified the extreme values

|  |  |  |  |
| --- | --- | --- | --- |
| test\_name | n\_outliers | n\_non\_outliers | percent\_outliers |
| adi.ados.total | 18 | 352 | 4.864865 |
| adi.scq.total | 3 | 115 | 2.542373 |
| ados.adi.rrb | 8 | 367 | 2.133333 |
| ados.adi.soc | 9 | 372 | 2.362205 |
| ados.dsm | 3 | 144 | 2.040816 |
| ados.rrb.rbs.total | 17 | 573 | 2.881356 |
| ados.sa.srs.total | 16 | 561 | 2.772964 |
| ados.scq.total | 9 | 408 | 2.158273 |
| ados.severity.1.3 | 3 | 171 | 1.724138 |
| ados.severity.1.4 | 3 | 112 | 2.608696 |
| ados.severity.3.4 | 1 | 77 | 1.282051 |
| ados.total.1.3 | 0 | 174 | 0 |
| ados.total.1.4 | 3 | 112 | 2.608696 |
| ados.total.3.4 | 1 | 77 | 1.282051 |
| cbcl.ext.total | 0 | 841 | 0 |
| cbcl.int.total | 1 | 840 | 0.118906 |
| cbq.tmcq.activity | 5 | 142 | 3.401361 |
| cbq.tmcq.anger | 4 | 130 | 2.985075 |
| cbq.tmcq.discomfort | 6 | 128 | 4.477612 |
| cbq.tmcq.effortful.control | 3 | 65 | 4.411765 |
| cbq.tmcq.fear | 3 | 82 | 3.529412 |
| cbq.tmcq.focus | 3 | 128 | 2.290076 |
| cbq.tmcq.high.pleasure | 2 | 95 | 2.061856 |
| cbq.tmcq.inhibitory.control | 0 | 86 | 0 |
| cbq.tmcq.low.pleasure | 6 | 135 | 4.255319 |
| cbq.tmcq.negative.affect | 1 | 44 | 2.222222 |
| cbq.tmcq.sadness | 4 | 68 | 5.555556 |
| cbq.tmcq.sensitive | 4 | 102 | 3.773585 |
| cbq.tmcq.shyness | 2 | 91 | 2.150538 |
| cbq.tmcq.surgency | 1 | 60 | 1.639344 |
| cdi.msel.el | 1 | 416 | 0.239808 |
| cdiws.das.el | 2 | 84 | 2.325581 |
| das.vine.el | 5 | 155 | 3.125 |
| dasey.dassa.el | 1 | 87 | 1.136364 |
| dasey.dassa.rl | 2 | 75 | 2.597403 |
| dasey.vine.rl | 4 | 163 | 2.39521 |
| dassa.vine.rl | 5 | 132 | 3.649635 |
| eowpvt.cdiws.el | 5 | 373 | 1.322751 |
| eowpvt.das.el.ae | 1 | 168 | 0.591716 |
| eowpvt.msel.el.ae | 3 | 361 | 0.824176 |
| eowpvt.vine.el.ae | 10 | 526 | 1.865672 |
| long.eowpvt.1.3 | 4 | 140 | 2.777778 |
| longiq.nviq.fsiq | 0 | 979 | 0 |
| longiq.viq.fsiq | 0 | 973 | 0 |
| longiq.viq.nviq | 0 | 972 | 0 |
| longiq.viq.viq.1.3 | 0 | 247 | 0 |
| longiq.viq.viq.3.4 | 0 | 120 | 0 |
| msel.cdiwg.el | 1 | 36 | 2.702703 |
| msel.cdiwg.rl | 1 | 36 | 2.702703 |
| msel.cdiws.el | 1 | 416 | 0.239808 |
| msel.rl.el | 1 | 581 | 0.171821 |
| msel.vine.el.ae | 4 | 522 | 0.760456 |
| msel.vine.rl | 9 | 516 | 1.714286 |
| ppvt.dasey.rl | 2 | 169 | 1.169591 |
| ppvt.msel.rl | 7 | 245 | 2.777778 |
| ppvt.vine.rl | 14 | 398 | 3.398058 |
| scq.total.1.3 | 2 | 57 | 3.389831 |
| scq.total.1.4 | 0 | 63 | 0 |
| scq.total.3.4 | 2 | 58 | 3.333333 |

**MSEL Basal & Ceiling Flags**

|  |  |
| --- | --- |
| Case | Count |
| missing item(s) in the middle | 56 |
| no ceiling or ceiling not fully established | 17 |
| multiple 0's after standard ceiling (3 0's) | 36 |
| participants reached  the end item(s) of scale(s) | 131+ |

**Old & New Scores Comparison**

|  |  |  |  |
| --- | --- | --- | --- |
| Measure | # Discrepant | # Non-discrepant | % Discrepant |
| CBCL | ~51 | ~553 | 8.44 |
| DAS-SA | 1 | 54 | 1.82 |
| ADI | 24 | 387 | 6.20 |
| MSEL | 49 | 498 | 8.96 |

\*plots are below

Chart, scatter chart

Description automatically generatedChart, scatter chart

Description automatically generated

Chart, scatter chart

Description automatically generatedChart, scatter chart

Description automatically generated