**Appendix 3**

Descriptive Statistics

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | N | Range | Minimum | Maximum | Mean | Std. Deviation |
| IL | 15 | 15.00 | -6.00 | 9.00 | 3.1560 | 4.93640 |
| CT\_pre | 16 | 6 | 4 | 10 | 6.56 | 1.965 |
| CT\_post | 14 | 6 | 5 | 11 | 7.86 | 2.107 |
| SR\_pre | 16 | 52 | 0 | 52 | 28.56 | 17.255 |
| SR\_post | 15 | 48 | 10 | 58 | 36.13 | 13.152 |
| CT\_change | 14 | 5.00 | .00 | 5.00 | 1.3571 | 1.49908 |
| SR\_change | 14 | 59.00 | -13.00 | 46.00 | 8.2857 | 16.65685 |
| Gender | 18 | 1 | 1 | 2 | 1.72 | .461 |
| MotherEducation | 18 | 3 | 3 | 6 | 3.94 | 1.056 |
| FatherEducation | 18 | 5 | 2 | 7 | 4.22 | 1.478 |
| Income | 18 | 6 | 2 | 8 | 4.22 | 1.555 |
| SES | 18 | 11 | 8 | 19 | 12.39 | 3.328 |
| AgebyMonth | 18 | 11 | 60 | 71 | 65.39 | 3.664 |
| Valid N (listwise) | 13 |  |  |  |  |  |

*Notes.* IL = child-robot interaction level; CT = computational thinking; SR = self-regulation; SES = family socioeconomic status.