STable 1. Within group comparisons of factor scores in ASD and POP children

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|   | Factor | ASD Mean(SD) | POP Mean(SD) |
| --- | --- | --- | --- |
|  | Maladaptive% |  |  |
| Gender |  |  |  |
|  Female |  | -0.07(1.06) | -0.08(0.93)^ |
|  Male |  |  0.02(0.97) |  0.15(1.05)^ |
| Maternal Race |  |  |  |
|  Black |  | -0.01(1.00)\* | 0.02(0.99) |
|  Other |  | -0.28(1.00)\* | 0.33(0.97) |
|  White |  |  0.06(0.98)\* | 0.02(1.01) |
| Developmental Delay |  |  |  |
|  No |  | 0.05(1.02) | 0.05(0.99) |
|  Yes |  |  -0.04(0.96) | 0.08(1.19) |
| Verbal |  |  |  |
|  No |  |  -0.10(1.06) | 0.02(0.82) |
|  Yes |  | 0.03(0.97) | 0.04(1.00) |
| Maternal Education |  |  |  |
|  HS or less |  | -0.12(1.17) | -0.22(0.71) |
|  More than HS |  |  0.01(0.98) | 0.05(1.01) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  | -0.13(1.08) | 0.04(0.94) |
|  Not Hispanic |  |  0.02(0.98) | 0.04(1.01) |
|  | Environmental Sensitivity |  |  |
| Gender |  |  |  |
|  Female |  | 0.08(1.09) | 0.16(0.96)\* |
|  Male |  | 0.04(0.95) | -0.09(0.99)\* |
| Maternal Race |  |  |  |
|  Black |  | 0.18(0.92) | -0.20(1.05) |
|  Other |  | 0.09(1.12) | -0.07(0.96) |
|  White |  | 0.00(0.97) | 0.05(0.98) |
| Developmental Delay |  |  |  |
|  No |  |  0.15(0.90)\* | 0.04(0.98)\* |
|  Yes |  | -0.02(1.02)\* | -0.56(1.04)\* |
| Verbal |  |  |  |
|  No |  | -0.33(0.99)\* | 0.17(1.01) |
|  Yes |  | 0.15(0.95)\* | 0.02(0.99) |
| Maternal Education |  |  |  |
|  HS or less |  | -0.03(0.94) | 0.17(0.85) |
|  More than HS |  | 0.06(0.98) | 0.02(0.99) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  | 0.13(0.93) | 0.03(0.79) |
|  Not Hispanic |  | 0.05(0.98) | 0.02(1.00) |
|  |  |  |  |
|  | Quiet Persistence% |  |  |
| Gender |  |  |  |
|  Female |  | -0.08(0.99) | 0.15(0.98)^ |
|  Male |  | 0.06(1.01) | -0.03(0.99)^ |
| Maternal Race |  |  |  |
|  Black |  | 0.02(1.11) | -0.25(1.13)^ |
|  Other |  | 0.02(0.96) | 0.13(1.00)^ |
|  White |  | 0.06(0.98) | 0.08(0.96) |
| Developmental Delay |  |  |  |
|  No |  | 0.35(0.91)\* | 0.08(0.96)^ |
|  Yes |  | -0.17(1.02)\* | -0.75(1.29)^ |
| Verbal |  |  |  |
|  No |  | -0.57(1.08)\* | -0.61(1.40) |
|  Yes |  | 0.20(0.92)\* | 0.06(0.99) |
| Maternal Education |  |  |  |
|  HS or less |  | -0.69(1.11)\* | -0.18(0.94) |
|  More than HS |  | 0.08(0.98)\* | 0.06(0.99) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  | -0.23(1.07) | -0.02(1.19) |
|  Not Hispanic |  | 0.08(0.99) | 0.06(0.97) |
|  | Social Inattention |  |  |
| Gender |  |  |  |
|  Female |  | 0.12(1.09) | -0.14(0.92)\* |
|  Male |  | -0.09(1.00) | 0.15(1.03)\* |
| Maternal Race |  |  |  |
|  Black |  | -0.47(1.03)\* | -0.36(1.09)\* |
|  Other |  | -0.19(1.03)\* | -0.05(1.05)\* |
|  White |  | 0.10(0.97)\* | 0.08(0.96)\* |
| Developmental Delay |  |  |  |
|  No |  | -0.01(0.97) | 0.02(0.99) |
|  Yes |  | -0.08(1.06) | 0.15(1.10) |
| Verbal |  |  |  |
|  No |  | 0.08(1.11) | 0.52(0.96) |
|  Yes |  | -0.08(0.99) | 0.01(0.99) |
| Maternal Education |  |  |  |
|  HS or less |  | 0.23(1.05) | -0.60(0.72)\* |
|  More than HS |  | -0.06(1.01) | 0.03(0.99)\* |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  | -0.21(1.08) | -0.08(0.98) |
|  Not Hispanic |  | -0.03(1.01) | 0.02(0.99) |
|  |  |  |  |
|  | Social Approach+ |  |  |
| Gender |  |  |  |
|  Female |  | -0.14(1.02) | 0.06(1.00) |
|  Male |  | 0.06(1.00) | -0.05(0.98) |
| Maternal Race |  |  |  |
|  Black |  | 0.02(0.99) | -0.07(0.85)^ |
|  Other |  | -0.09(0.96) | -0.26(0.97) |
|  White |  | 0.07(1.03) | 0.04(1.01)^ |
| Developmental Delay |  |  |  |
|  No |  | 0.13(1.03) | 0.02(0.99) |
|  Yes |  | -0.03(0.99) | 0.10(1.00) |
| Verbal |  |  |  |
|  No |  | -0.28(0.89)^ | 0.02(1.35) |
|  Yes |  | 0.11(1.02)^ | 0.00(0.99) |
| Maternal Education |  |  |  |
|  HS or less |  | -0.31(1.06) | 0.05(0.91) |
|  More than HS |  | 0.04(1.01) | 0.00(0.99) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  | -0.13(0.97) | -0.26(1.02) |
|  Not Hispanic |  | 0.05(1.02) | 0.02(0.99) |
|  | Activity |  |  |
| Gender |  |  |  |
|  Female |  | -0.20(1.04) | -0.05(0.96) |
|  Male |  | 0.03(1.00) | 0.06(1.00) |
| Maternal Race |  |  |  |
|  Black |  | 0.08(1.08) | 0.12(1.10) |
|  Other |  | 0.02(0.92) | -0.26(1.32) |
|  White |  | -0.06(1.00) | 0.02(0.93) |
| Developmental Delay |  |  |  |
|  No |  | -0.13(1.00)\* | 0.02(0.98) |
|  Yes |  | 0.07(1.00)\* | -0.25(1.25) |
| Verbal |  |  |  |
|  No |  | 0.12(1.02) | -0.30(1.09) |
|  Yes |  | -0.04(1.00) | 0.01(0.98) |
| Maternal Education |  |  |  |
|  HS or less |  | 0.23(1.13) | 0.08(0.95) |
|  More than HS |  | -0.02(1.00) | 0.01(0.98) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  | 0.26(1.03) | -0.01(1.13) |
|  Not Hispanic |  | -0.04(1.00) | 0.01(0.97) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Crying% |  |  |
| Gender |  |  |  |
|  Female |  |  0.02(1.06) |  0.14(0.99)^ |
|  Male |  | -0.01(0.99) | -0.13(0.98)^ |
| Maternal Race |  |  |  |
|  Black |  |  0.21(1.06)\* |  0.44(1.09)^ |
|  Other |  | -0.02(0.96)\* | 0.05(1.03) |
|  White |  | -0.10(0.98)\* | -0.07(0.96)^ |
| Developmental Delay |  |  |  |
|  No |  |  -0.06(1.04) |  -0.00(0.98) |
|  Yes |  | 0.02(0.96) | -0.34(1.02) |
| Verbal |  |  |  |
|  No |  |  0.02(1.01) |  0.45(1.88) |
|  Yes |  | -0.01(1.00) | -0.01(0.98) |
| Maternal Education |  |  |  |
|  HS or less |  |  0.57(1.09)\* |  -0.05(0.42) |
|  More than HS |  | -0.03(0.99)\* | -0.01(1.00) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  |  0.24(1.02) |  0.02(0.96) |
|  Not Hispanic |  | -0.03(1.00) | -0.01(1.00) |
|  | Rhythmicity% |  |  |
| Gender |  |  |  |
|  Female |  |  -0.04(1.07) |  0.11(0.91) |
|  Male |  | -0.02(0.99) | 0.01(0.99) |
| Maternal Race |  |  |  |
|  Black |  |  -0.18(1.00) |  -0.66(1.00)^ |
|  Other |  | 0.01(0.87) |  -0.30(0.99)^ |
|  White |  | 0.04(1.03) | 0.21(0.88)^ |
| Developmental Delay |  |  |  |
|  No |  |  0.18(0.98)\* |  0.09(0.93)^ |
|  Yes |  | -0.14(0.98)\* | -0.56(1.19)^ |
| Verbal |  |  |  |
|  No |  |  -0.40(1.03)\* |  -0.14(1.00) |
|  Yes |  | 0.07(0.97)\* | 0.06(0.96) |
| Maternal Education |  |  |  |
|  HS or less |  |  -0.56(1.25) |  -0.70(1.22)^ |
|  More than HS |  | 0.00(0.98) | 0.06(0.95)^ |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  |  -0.14(1.04) |  -0.07(1.01) |
|  Not Hispanic |  | -0.00(1.00) | 0.07(0.95) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Food Openness+ |  |  |
| Gender |  |  |  |
|  Female |  |  0.11(0.95) |  0.16(0.97)^ |
|  Male |  | -0.02(1.01) | -0.14(1.02)^ |
| Maternal Race |  |  |  |
|  Black |  |  0.30(0.96)^ |  0.11(0.92) |
|  Other |  | -0.03(0.92)^ | 0.04(0.88) |
|  White |  | -0.09(1.03)^ | -0.02(1.03) |
| Developmental Delay |  |  |  |
|  No |  |  -0.12(0.94)^ |  0.00(1.01) |
|  Yes |  | 0.08(1.02)^ | 0.03(0.92) |
| Verbal |  |  |  |
|  No |  |  0.08(1.02) |  -0.25(0.97) |
|  Yes |  | -0.02(1.00) | 0.00(1.01) |
| Maternal Education |  |  |  |
|  HS or less |  |  0.26(1.02) |  0.41(1.01) |
|  More than HS |  | -0.01(1.00) | -0.01(1.01) |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  |  0.40(1.03)^ |  -0.24(1.00) |
|  Not Hispanic |  | -0.04(0.99)^ | 0.01(1.00) |
|  | Negative Social! |  |  |
| Gender |  |  |  |
|  Female |  |  -0.06(0.97) |  |
|  Male |  | 0.06(1.02) |  |
| Maternal Race |  |  |  |
|  Black |  |  0.12(1.10) |  |
|  Other |  | 0.00(0.96) |  |
|  White |  | 0.03(1.00) |  |
| Developmental Delay |  |  |  |
|  No |  |  0.46(0.90)^ |  |
|  Yes |  | -0.25(0.99)^ |  |
| Verbal |  |  |  |
|  No |  |  -0.60(0.92)^ |  |
|  Yes |  | 0.21(0.97)^ |  |
| Maternal Education |  |  |  |
|  HS or less |  |  0.28(1.31) |  |
|  More than HS |  | 0.03(1.00) |  |
| Maternal Ethnicity |  |  |  |
|  Hispanic |  |  0.09(1.09) |  |
|  Not Hispanic |  | 0.04(1.01) |  |
|  |  |  |  |

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*Notes*. ASD = Autism Spectrum Disorder; HS = High School; POP = typically developing population children; Star values (\*) indicate statistical significance for t-tests of factor scores with normally distributed residuals at *p <* .05; Carrot values (^) indicate statistical significance for Wilcoxon Ranks Sum tests of factor scores with non-normally distributed residuals at *p <* .05; + = residuals non-normally distributed in ASD and POP; ! = residuals non-normally distributed in ASD only; % = residuals non-normally distributed in POP only.

STable 2. Correlations between factor scores and outcomes by clinical group

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_ELC\_\_\_\_\_\_ \_\_\_\_\_\_SCQ\_\_\_\_\_ \_\_\_Age\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Factor | ASD# | POP# | ASD | POP# | ASD# | POP# |
| Maladaptive% | 0.04 | -0.02 | 0.29\* | 0.22^ |  0.00 | -0.02 |
| Environmental  Sensitivity | 0.10 | 0.09 | -0.27\* | -0.16^ |  0.04 | -0.05 |
| Quiet  Persistence% |  0.26^ |  0.19^ | -0.34\* | -0.16^ | 0.02 |  0.11 |
| Social Inattention | 0.03 | 0.01 | 0.38\* |  0.11^ | -0.05 | -0.05 |
| Social Approach+ | 0.09 | 0.05 | -0.39^ | -0.13^ |  0.09 |  0.01 |
| Activity |  -0.14^ | 0.03 | 0.07 |  -0.07 | -0.05 |  0.04 |
| Crying% |  -0.03 |  -0.04 |  0.11\* | 0.13^ |  0.00 |  0.02 |
| Rhythmicity% |  0.14^ |  0.20^ | -0.25\* |  -0.32^ |  0.08 |  0.09 |
| Food Openness+ |  -0.05 | 0.06 | -0.23^ |  -0.15^ |  0.08 |  0.08 |
| Negative Social! |  0.39^ |  | -0.20^ |  |  0.13^ |  |

*Notes*. ASD = Autism Spectrum Disorder; ELC = Mullens Scale of Early Learning,

Early Learning Composite; POP = typically developing population children; SCQ =

Social Communication Questionnaire; \* = *p <* .05 for Pearson correlations; ^ = *p <* .05 for Spearman correlations; # residuals non-normally distributed; + = residuals non-normally distributed in ASD and POP; ! = residuals non-normally distributed in ASD only; % = residuals non-normally distributed in POP only.