|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **LP****N= 23**Mean (SD) | **NP****N=48**Mean (SD) | **HC****N=60**Mean (SD) | **F** | **p** | Post hoc tests |
|  |  |  |  |  |  | **LP vs. AP** | **LP vs. HC** | **AP vs. HC** |
| **Theory of Mind** | -0.89 (1.19) | 0.26 (0.98) | -0.04 (0.69) | 11.90 | **<0.001** | **<0.001** | **0.002** | 0.26 |
|  RMET | -0.74 (1.21) | 0.17 (0.95) | 0.00 (1.00) | 6.450 | **0.002** | **0.002** | **0.012** | 0.684 |
|  Hinting Task | -0.58 (0.98) | 0.11 (0.91) | 0.00 (1.00) | 4.259 | **0.016** | **0.014** | **0.048** | 0.851 |
| **Emotional Intelligence****(EIQ)** | -1.34 (0.69) | 0.36 (0.56) | 0.00 (1.00) | 35.50 | **<0.001** | **<0.001** | **<0.001** | 0.059 |
| Areas Experiential area | -1.34 (0.69) | 0.36 (0.56) | 0.00 (1.00) | 9,696 | **<0.001** | **<0.001** | **0.001** | 0.698 |
|  Strategic area | -0.98 (0.86) | 0.39(0.88) | 0.00 (1.00) | 16.841 | **<0.001** | **<0.001** | **<0.001** | 0.081 |
| Branches  Perceiving emotions | -1.22 (0.77) | 0.25 (0.85) | 0.00 (1.00) | 21.373 | **<0.001** | **<0.001** | **<0.001** | 0.340 |
|  Using emotions | -0.98 (0.79) | 0.19 (0.77) | 0.00 (1.00) | 14.220 | **<0.001** | **<0.001** | **<0.001** | 0.524 |
|  Understanding emotion | -0.48 (1.22) | 0.57 (0.88) | 0.00 (1.00) | 9.362 | **<0.001** | **<0.001** | 0.131 | **0.011** |
|  Managing emotions | -1.08 (0.84) | 0.15 (0.98) | 0.00 (1.00) | 13.69 | **<0.001** | **<0.001** | **<0.001** | 0.710 |
| **Attributional bias****(AIHQ total)** | -0.69 (1.21) | 0.08 (1.08) | 0.00 (1.00) | 4.24 | **0.017** | **0.016** | **0.044** | 0.933 |
| AIHQ-HB  Hostility | -0.25 (1.83) | 0.05 (1.37) | 0.00 (1.00) | 0.596 | 0.553 |  |  |  |
| AIHQ-IS  Intentionality | 0.59 (1.39) | 0.09 (1.01) | 0.13 (1.29) | 3.131 | **0.048** | 0.069 | 0.058 | 0.986 |
| AIHQ-BS  Blame | -0.45 (1.25) | 0.11 (1.14) | 0.12 (1.24) | 2.047 | 0.134 |  |  |  |
| AIHQ-AS  Angry | -0.83 (1.50) | -0.08 1.34) | 0.13 (1.30) | 3.827 | **0.025** | 0.078 | **0.021** | 0.755 |
| AIHQ-AB  Aggressivity | -0.47 (1.35) | 0.14 (0.81) | 0.12 (1.23) | 2.682 | 0.073 |  |  |  |

Table S1. Comparison between the two social cognition bipolar disorder clusters and HC subjects across social cognitive domains and tasks (Z scores)

Bold text in the table indicates significant values.

LP: Low performance; AP: Adjusted performance; HC: Healthy Controls

EIQ: Emotional Intelligence quotient; AIHQ: Ambiguous Intentions Hostility Questionnaire