**Supplement 1: Correlations between the Cognitive Performance and the Original and International MSCEIT Scoring**

Methods: The following tables show the correlation coefficients between performance on the subscales of the MCCB and both the original and the international version of the MCCB. As an additional diagnostic we present the effect size of the difference between the correlation coefficient in Cohens q. Cohen (1988) defines an effect size of q=.1- as small, and none of the differences between the correlation coefficient reach this magnitude. The p-value for the test of significance of the difference is adjusted to account for the dependence of correlated correlations, i.e. correlations between pairs of variables where one of the elements is identical in both pairs, using Steiger’s (1980) approach.

Italy and Latin America show significant changes in the association between the MSCEIT and multiple cognitive measures, with the International MSCEIT being in general less strongly associated with performance on cognitive tests than the Original MSCEIT. While the differences are statistically significant they are small effect sizes.

References:

Steiger, JH (1980), Tests for Comparing Elements of a Correlation Matrix, Psychological Bulletin, 87(2), 245-252

1. China

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Original MSCEIT | International MSCEIT | q | p |
| Speed of Processing | 0.348 | 0.362 | -0.016 | 0.262 |
| Working Memory | 0.125 | 0.131 | -0.006 | 0.386 |
| Verbal learning | 0.372 | 0.373 | -0.001 | 0.482 |
| Visa Memory | 0.258 | 0.244 | 0.015 | 0.255 |
| Reasoning and Problem solving | 0.263 | 0.243 | 0.021 | 0.173 |
| Attention and Vigilance | 0.220 | 0.228 | -0.008 | 0.352 |

1. India

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Original MSCEIT | International MSCEIT | q | p |
| Speed of Processing | 0.226 | 0.227 | -0.001 | 0.477 |
| Working Memory | 0.231 | 0.25 | -0.020 | 0.139 |
| Verbal learning | 0.323 | 0.314 | 0.010 | 0.308 |
| Visa Memory | 0.207 | 0.206 | 0.001 | 0.477 |
| Reasoning and Problem solving | 0.131 | 0.128 | 0.003 | 0.430 |
| Attention and Vigilance | 0.160 | 0.149 | 0.011 | 0.261 |

1. Japan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Original MSCEIT | International MSCEIT | q | p |
| Speed of Processing | 0.173 | 0.130 | 0.044 | 0.015\* |
| Working Memory | 0.087 | 0.049 | 0.038 | 0.027\* |
| Verbal learning | 0.068 | 0.054 | 0.014 | 0.239 |
| Visa Memory | 0.060 | 0.044 | 0.016 | 0.209 |
| Reasoning and Problem solving | 0.067 | 0.050 | 0.017 | 0.194 |
| Attention and Vigilance | 0.168 | 0.146 | 0.023 | 0.135 |

1. Latin America

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Original MSCEIT | International MSCEIT | q | p |
| Speed of Processing | 0.468 | 0.414 | 0.067 | <0.001\*\*\* |
| Working Memory | 0.495 | 0.429 | 0.084 | 0.030\* |
| Verbal learning | 0.370 | 0.337 | 0.038 | <0.001\*\*\* |
| Visa Memory | 0.420 | 0.358 | 0.073 | 0.001\*\* |
| Reasoning and Problem solving | 0.300 | 0.247 | 0.057 | <0.001\*\*\* |
| Attention and Vigilance | 0.443 | 0.380 | 0.076 | <0.001\*\*\* |

1. Russia

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Original MSCEIT | International MSCEIT | q | p |
| Speed of Processing | 0.216 | 0.213 | 0.003 | 0.453 |
| Working Memory | 0.242 | 0.193 | 0.051 | 0.026\* |
| Verbal learning | 0.267 | 0.230 | 0.039 | 0.073 |
| Visa Memory | 0.081 | 0.043 | 0.038 | 0.062 |
| Reasoning and Problem solving | 0.195 | 0.140 | 0.057 | 0.014\* |
| Attention and Vigilance | 0.222 | 0.214 | 0.008 | 0.376 |

1. Spain

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Original MSCEIT | International MSCEIT | q | p |
| Speed of Processing | 0.348 | 0.362 | 0.016 | 0.363 |
| Working Memory | 0.125 | 0.131 | 0.006 | 0.126 |
| Verbal learning | 0.372 | 0.373 | 0.001 | 0.391 |
| Visa Memory | 0.258 | 0.244 | 0.015 | 0.264 |
| Reasoning and Problem solving | 0.263 | 0.243 | 0.021 | 0.269 |
| Attention and Vigilance | 0.220 | 0.228 | 0.008 | 0.224 |