**Supplementary Table 1.** Invariance of the IGD-SF9 across different groups among university students from Sri Lanka

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Groups** | **Invariance levels** | **χ2** | **df** | ***P*** | **Δχ2** | **Δdf** | ***p*(Δχ2)** | **CFI** | **ΔCFI** | **TLI** | **ΔTLI** | **RMSEA** | **ΔRMSEA** | **SRMR** |
| Gender | ConfiguralMetric StrongStrict | 76.76683.65185.846120.844 | 54626372 | 0.0230.0350.0290.000 | 6.8852.19534.997 | 819 | 0.5490.1380.001 | 0.9630.9650.9630.921 | -0.0020.002**0.042** | 0.9510.9590.9580.921 | -0.0080.001**0.037** | 0.0360.0330.0340.046 | 0.003-0.001-0.012 | 0.03900.04630.05710.0464 |
| Ethnicity | ConfiguralMetric StrongStrict | 84.13490.93692.45798.823 | 54626372 | 0.0050.0100.0090.020 | 6.8021.5226.365 | 819 | 0.5580.2170.703 | 0.9540.9560.9550.959 | -0.0020.001-0.004 | 0.9390.9490.9490.959 | 0.0100.0000.010 | 0.0420.0380.0380.034 | 0.0040.0000.004 | 0.04300.04360.04470.0453 |
| Language of the questionnaire | ConfiguralMetric StrongStrict | 83.56186.51991.431101.047 | 54626372 | 0.0060.0220.0110.014 | 2.9594.9129.616 | 819 | 0.9370.0270.382 | 0.9560.9640.9580.957 | -0.0080.0060.001 | 0.9420.9580.9520.957 | -0.0160.006-0.005 | 0.0410.0350.0380.036 | 0.006-0.0030.002 | 0.05200.05290.06610.0685 |
| Academic major | ConfiguralMetric StrongStrict | 181.809197.609200.649230.161 | 144152153162 | 0.0180.0080.0060.000 | 15.8003.03929.512 | 819 | 0.0450.0810.001 | 0.9450.9340.9310.901 | 0.0110.0030.030 | 0.9450.9370.9350.912 | 0.0080.0020.023 | 0.0290.0310.0320.037 | -0.003-0.001-0.005 | 0.08460.09200.09870.1035 |
| Income | ConfiguralMetric StrongStrict | 124.237147.471147.546168.628 | 99107108117 | 0.0440.0060.0070.001 | 23.2340.07521.082 | 819 | 0.0030.7850.012 | 0.9630.9410.9420.925 | **0.022**-0.0010.017 | 0.9600.9400.9420.930 | **0.020**-0.0020.012 | 0.0280.0340.0340.037 | 0.008-0.004-0.003 | 0.06800.08430.08620.0741 |
| Device | ConfiguralMetric StrongStrict | 65.72376.29576.56783.104 | 54626372 | 0.1320.1050.1170.174 | 10.5720.2726.537 | 819 | 0.2270.6020.685 | 0.9820.9780.9800.983 | 0.004-0.002-0.003 | 0.9760.9750.9770.983 | 0.001-0.002-0.006 | 0.0260.0270.0260.022 | -0.0010.0010.004 | 0.03920.04300.04300.0448 |
| Game type | ConfiguralMetric StrongStrict | 150.916158.040158.178186.206 | 99107108117 | 0.0010.0010.0010.000 | 7.1240.13828.028 | 819 | 0.5230.7100.001 | 0.9230.9250.9260.898 | -0.002-0.001**0.028** | 0.9160.9240.9260.906 | -0.008-0.002**0.020** | 0.0410.0390.0380.043 | 0.0020.001-0.005 | 0.07820.08620.0860**0.0931** |

χ2, chi-square; df, degrees of freedom; CFI, comparative fit index; TLI, Tucker–Lewis index; RMSEA, root mean square error of approximation; CI, confidence interval; SRMR, standardized root mean residual.