Table 1

Correlations among study variables

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *M(SD)* Tool 1; *M(SD)* Tool 2 | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| (1) Perf. Exp. | 3.2 (0.9); 2.7 (1.0) |  | 0.35\*\*\* | 0.74\*\*\* | 0.77\*\*\* | 0.15\* | 0.73\*\*\* | -0.24\*\*\* | -0.20\*\* | 0.09 | 0.05 |
| (2) Effort Exp. | 3.7 (0.8); 3.9 (0.8) | 0.44\*\*\* |  | 0.26\*\*\* | 0.38\*\*\* | 0.54\*\*\* | 0.23\*\*\* | -0.32\*\*\* | -0.37\*\*\* | 0.08 | -0.10 |
| (3) Social Infl. | 2.9 (0.9); 2.7 (1.0) | 0.59\*\*\* | 0.40\*\*\* |  | 0.71\*\*\* | 0.19\*\* | 0.78\*\*\* | -0.20\*\* | -0.25\*\*\* | 0.12 | 0.12 |
| (4) Trust | 3.4 (0.9); 3.0 (1.0) | 0.68\*\*\* | 0.50\*\*\* | 0.57\*\*\* |  | 0.19\*\* | 0.72\*\*\* | -0.35\*\*\* | -0.31\*\*\* | 0.10 | 0.04 |
| (5) Tool Und. | 4.2 (1.0); 4.5 (1.1) | 0.10 | 0.43\*\*\* | -0.01 | 0.14\* |  | 0.15\* | -0.27\*\*\* | -0.19\*\* | 0.23\*\*\* | -0.13 |
| (6) Behav. Int. | 2.9 (1.1); 2.4 (1.2) | 0.70\*\*\* | 0.49\*\*\* | 0.67\*\*\* | 0.66\*\*\* | 0.08 |  | -0.26\*\*\* | -0.41\*\*\* | 0.08 | 0.11 |
| (7) Priv. Concerns | 3.1 (1.2); 3.0 (1.3) | -0.26\*\*\* | -0.31\*\*\* | -0.22\*\* | -0.41\*\*\* | -0.12 | -0.32\*\*\* |  | 0.28\*\*\* | -0.05 | 0.16\* |
| (8) Anxiety | 2.7 (0.9); 2.9 (1.0) | -0.08 | -0.31\*\*\* | -0.11 | -0.21\*\* | -0.22\*\* | -0.32\*\*\* | 0.27\*\*\* |  | -0.05 | -0.11 |
| (9) Cog. Read. | 2.9 (0.8) | 0.12 | 0.22\*\* | 0.16\* | 0.12 | 0.24\*\*\* | 0.24\*\*\* | -0.11 | -0.15\* |  | -0.02 |
| (10) Age | 28.1 (7.0) | 0.01 | -0.03 | 0.12 | -0.06 | -0.21\*\* | 0.02 | 0.08 | -0.03 | -0.02 |  |
| (11) Gender | 1.9 (0.4) | -0.08 | -0.03 | -0.14\* | -0.10 | -0.04 | -0.11 | 0.05 | 0.09 | -0.07 | -0.10 |

*Note*. The lower triangle of the correlation table contains the correlations for the feedback tool (Tool 1); the upper triangle contains the correlations for the treatment recommendation tool (Tool 2).

Table 2

Structural equation and regularized structural equation modeling results

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Structural equation modeling results | | | Regularized structural equation modeling results | | |
| IV | *β* | *p* | 95% CI | *β* | *p* | 95% CI |
| Tool 1: |  |  |  |  |  |  |
| Perf. Exp. | 0.335 | < .001 | 0.229; 0.440 | 0.329 | < .001 | 0.222; 0.436 |
| Effort Exp. | 0.096 | 0.068 | −0.007; 0.199 | 0.080 | 0.092 | −0.013; 0.172 |
| Social Infl. | 0.303 | < .001 | 0.203; 0.402 | 0.314 | < .001 | 0.218; 0.410 |
| Trust | 0.156 | 0.008 | 0.040; 0.272 | 0.160 | 0.005 | 0.049; 0.271 |
| Tool Und. | −0.085 | 0.069 | −0.177; 0.007 | - | - | - |
| Priv. Concerns | −0.018 | 0.685 | −0.104; 0.069 | - | - | - |
| Anxiety | −0.210 | < .001 | −0.292; −0.128 | −0.198 | < .001 | −0.278; −0.119 |
| Cog. Read. | 0.101 | 0.015 | 0.020; 0.183 | 0.091 | 0.021 | 0.014; 0.168 |
| Age | −0.024 | 0.577 | −0.108; 0.060 | - | - | - |
| Gender | −0.001 | 0.977 | −0.082; 0.079 | - | - | - |
| Country | −0.005 | 0.910 | −0.088; 0.079 | - | - | - |
| Tool 2: |  |  |  |  |  |  |
| Perf. Exp. | 0.278 | < .001 | 0.155; 0.402 | 0.251 | < .001 | 0.128; 0.374 |
| Effort Exp. | −0.120 | 0.005 | −0.203; −0.037 | - | - | - |
| Social Infl. | 0.405 | < .001 | 0.300; 0.511 | 0.409 | < .001 | 0.302; 0.515 |
| Trust | 0.183 | 0.003 | 0.061; 0.305 | 0.181 | 0.003 | 0.060; 0.302 |
| Tool Und. | −0.046 | 0.258 | −0.125; 0.033 | −0.044 | 0.239 | −0.118; 0.029 |
| Priv. Concerns | −0.044 | 0.279 | −0.122; 0.035 | - | - | - |
| Anxiety | −0.226 | < .001 | −0.303; −0.149 | −0.193 | < .001 | −0.266; −0.119 |
| Cog. Read. | −0.012 | 0.742 | −0.086; 0.062 | - | - | - |
| Age | −0.012 | 0.764 | −0.089; 0.066 | 0.013 | 0.733 | −0.060; 0.085 |
| Gender | −0.004 | 0.919 | −0.079; 0.071 | - | - | - |
| Country | 0.052 | 0.183 | −0.024; 0.127 | - | - | - |

*Note*. IV = independent variable; β = standardized estimate; 95% CI = 95% confidence interval of the standardized estimate

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Confirmatory factor analysis results for Tool 1 and Tool 2, comparing the theoretical model with three more parsimonious models

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | *χ²* | *p* | CFI | TLI | RMSEA (95% CI) | SRMR |
| Tool 1: |  |  |  |  |  |  |
| Theoretical | 1302.073 (559) | < .001 | 0.826 | 0.804 | 0.080 (0.075; 0.086) | 0.106 |
| Cog. Read. + Tool. Und. | 1351.850 (566) | < .001 | 0.816 | 0.795 | 0.082 (0.076; 0.088) | 0.110 |
| Perf. Exp. + Eff. Exp. | 1559.778 (567) | < .001 | 0.768 | 0.742 | 0.092 (0.087; 0.098) | 0.106 |
| AI Anxiety + Priv. Concerns | 1548.565 (567) | < .001 | 0.770 | 0.745 | 0.092 (0.086; 0.097) | 0.112 |
| Tool2: |  |  |  |  |  |  |
| Theoretical | 1337.223 (559) | < .001 | 0.856 | 0.837 | 0.082 (0.077; 0.088) | 0.111 |
| Cog. Read. + Tool. Und. | 1410.230 (566) | < .001 | 0.843 | 0.826 | 0.085 (0.080; 0.091) | 0.119 |
| Perf. Exp. + Eff. Exp. | 1844.221 (567) | < .001 | 0.763 | 0.737 | 0.105 (0.099; 0.110) | 0.130 |
| AI Anxiety + Priv. Concerns | 1564.061 (567) | < .001 | 0.815 | 0.795 | 0.092 (0.087; 0.098) | 0.125 |

*Note*. CFI = Comparative fit index; TLI = Tucker–Lewis index; RMSEA = Root mean square error of approximation; 95% CI = 95 percent confidence interval; SRMR = Standardized root mean square residual