Table 1

Means, standard deviations, and correlations among study variables

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *M(SD)*  *FB Tool* | *M(SD)*  *TR Tool* | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| (1) PU | 3.2 (0.9) | 2.8 (1.1) |  | .35 | .74 | .77 | .15 | .73 | -.05 | -.20 | .08 | .05 | -.12 |
| (2) PE | 3.7 (0.8) | 3.9 (0.8) | .44 |  | .26 | .38 | .54 | .23 | -.26 | -.37 | .05 | -.10 | .01 |
| (3) SI | 2.9 (0.9) | 2.7 (1.0) | .59 | .40 |  | .71 | .19 | .78 | -.02 | -.25 | .13 | .12 | -.25 |
| (4) TR | 3.4 (0.9) | 3.0 (1.0) | .68 | .50 | .57 |  | .19 | .72 | -.17 | -.31 | .08 | .04 | -.22 |
| (5) TU | 4.2 (1.0) | 4.5 (1.1) | .10 | .43 | -.01 | .14 |  | .15 | -.21 | -.19 | .21 | -.13 | -.08 |
| (6) IU | 2.9 (1.1) | 2.4 (1.2) | .70 | .49 | .67 | .66 | .08 |  | -.11 | -.41 | .11 | .11 | -.23 |
| (7) PC | 4.2 (1.6) | 4.0 (1.7) | -.07 | -.17 | -.06 | -.24 | -.10 | -.18 |  | .33 | -.11 | .19 | -.03 |
| (8) ANX | 2.7 (0.9) | 2.9 (1.0) | -.08 | -.31 | -.11 | -.21 | -.22 | -.32 | .31 |  | -.12 | -.11 | .16 |
| (9) CR | 2.5 (1.0) | | .07 | .15 | .14 | .09 | .21 | .22 | -.11 | -.19 |  | .01 | -.07 |
| (10) Age | 28.1 (7.0) | | .01 | -.03 | .12 | -.06 | -.21 | .02 | .11 | -.03 | .01 |  | -.11 |
| (11) Gendera | 0.8 (0.4) | | -.08 | -.01 | -.15 | -.11 | .00 | -.12 | -.02 | .11 | -.07 | -.11 |  |
| (12) Countryb | 0.5 (0.5) | | -.10 | -.06 | -.13 | .01 | -.02 | -.03 | -.02 | -.10 | -.02 | -.22 | .21 |

*Note*. *N* = 206. The lower triangle of the correlation table contains the correlations for the feedback tool (*FB* *Tool*) and the upper triangle contains the correlations for the treatment recommendation tool (*TR Tool*). PU = Perceived usefulness, PE = Perceived ease of use, SI = Social influence, TR = Trust in the tool, TU = Tool understanding, IU = Intention to use the tool, PC = Privacy concerns, ANX = Artificial intelligence anxiety, CR = Cognitive technology readiness.

All correlations ≥ |.14| are significant at *p* < .05.

aCode: 0 = male, 1 = not male

bCode: 1 = Germany, 0 = English-speaking country.

Table 2

Structural equation modeling results predicting the intention to use the feedback tool and the treatment recommendation tool

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Feedback tool* | | | | | |  | *Treatment recommendation tool* | | | | | |
| Effect | *B* | *SE* | *β* | 95% CI*β* | | *p* |  | *B* | *SE* | *β* | 95% CI*β* | | *p* |
|  |  |  |  | *LL* | *UL* |  |  |  |  |  | *LL* | *UL* |  |
| Direct effects  (DV = IU) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PU | 0.63 | 0.11 | .51 | .30 | .72 | <.001 |  | 0.31 | 0.11 | .28 | .06 | .50 | .014 |
| PE | 0.06 | 0.06 | .03 | −.09 | .15 | .589 |  | −0.29 | 0.06 | −.18 | −.30 | −.06 | .004 |
| SI | 0.37 | 0.07 | .32 | .19 | .46 | <.001 |  | 0.56 | 0.08 | .50 | .34 | .65 | <.001 |
| TR | 0.06 | 0.12 | .04 | −.19 | .27 | .723 |  | 0.23 | 0.11 | .17 | −.04 | .37 | .122 |
| CR | 0.12 | 0.05 | .12 | .02 | .22 | .019 |  | −0.01 | 0.04 | .00 | −.09 | .08 | .912 |
| TU | −0.07 | 0.05 | −.07 | −.18 | .03 | .161 |  | 0.02 | 0.05 | .02 | −.07 | .12 | .646 |
| PC | −0.03 | 0.05 | −.04 | −.13 | .06 | .424 |  | −0.01 | 0.05 | −.01 | −.10 | .08 | .809 |
| ANX | −0.18 | 0.06 | −.18 | −.29 | −.07 | .001 |  | −0.25 | 0.06 | −.21 | −.33 | −.10 | <.001 |
| Age | 0.00 | 0.04 | −.01 | −.10 | .07 | .744 |  | 0.00 | 0.04 | −.02 | −.10 | .06 | .644 |
| Gendera | −0.08 | 0.04 | −.03 | −.12 | .05 | .482 |  | −0.04 | 0.04 | −.01 | −.09 | .07 | .740 |
| Countryb | 0.04 | 0.04 | .02 | −.07 | .11 | .664 |  | −0.08 | 0.04 | −.03 | −.11 | .04 | .404 |
| Direct effects  (DVs = PU, PE, TR) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TU → PU | 0.09 | 0.08 | .12 | −.03 | .27 | .131 |  | 0.15 | 0.07 | .15 | .01 | .29 | .040 |
| CR → PU | 0.04 | 0.08 | .04 | −.12 | .20 | .597 |  | 0.04 | 0.08 | .04 | −.12 | .19 | .637 |
| TU → PE | 0.24 | 0.06 | .45 | .32 | .57 | <.001 |  | 0.40 | 0.05 | .57 | .47 | .68 | <.001 |
| CR → PE | 0.02 | 0.07 | .04 | −.11 | .18 | .620 |  | −0.06 | 0.07 | −.07 | −.20 | .06 | .304 |
| TU → TR | 0.09 | 0.08 | .13 | −.02 | .28 | .088 |  | 0.15 | 0.07 | .19 | .04 | .33 | .011 |
| CR → TR | 0.07 | 0.08 | .10 | −.06 | .26 | .223 |  | 0.06 | 0.08 | .06 | −.10 | .22 | .439 |
| Indirect effects |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TU → PU → IU | 0.06 | 0.04 | .06 | −.02 | .14 | .157 |  | 0.05 | 0.03 | .04 | −.01 | .09 | .119 |
| TU → PE → IU | 0.01 | 0.03 | .01 | −.04 | .07 | .591 |  | −0.11 | 0.04 | −.10 | −.18 | −.03 | .006 |
| TU → TR → IU | 0.01 | 0.02 | .01 | −.02 | .04 | .729 |  | 0.03 | 0.02 | .03 | −.01 | .08 | .187 |
| CR → PU → IU | 0.02 | 0.04 | .02 | −.06 | .10 | .597 |  | 0.01 | 0.02 | .01 | −.03 | .05 | .643 |
| CR → PE → IU | 0.00 | 0.00 | .00 | −.01 | .01 | .711 |  | 0.02 | 0.01 | .01 | −.01 | .04 | .335 |
| CR → TR → IU | 0.00 | 0.01 | .00 | −.02 | .03 | .732 |  | 0.01 | 0.01 | .01 | −.02 | .04 | .490 |

*Note*. *N* = 206. DV = dependent variable, IU = intention to use the tool, PU = Perceived usefulness, PE = Perceived ease of use, SI = Social influence, TR = Trust in the tool, TU = Tool understanding, PC = Privacy concerns, ANX = Artificial intelligence anxiety, CR = Cognitive technology readiness, *B* = unstandardized estimate, *SE* = standard error, *β* = standardized estimate, 95% CI*β* = 95% confidence interval of the standardized estimate, *UL* = upper limit, *LL* = lower limit.

aCode: 0 = male, 1 = not male; bCode: 1 = Germany, 0 = English-speaking country.