Table 2 Relationships between Technoference and AI Tool Acceptance & Demographics

|  |  |  |  |
| --- | --- | --- | --- |
|  | Sample Mean (SD) | | |
| **Scale:** | **ParentProbTech** | **Technoference** | **TAM-PU** |
| *Cronbach’s alpha* | *.80* | *.87* | *.94* |
| **Overall** | 3.72 (1.32) | 3.03 (2.07) | 3.53 (1.29) |
| **Age (parent)** | ρ = -.12 | ρ = -.12 | ρ = -.11 |
|  | (p = .04) | (p = .05) | (p = .07) |
| **Sex\*** |  |  |  |
| Female | 3.67 (1.28) | 3.03 (2.03) | 3.46 (1.25) |
| Male | 3.89 (1.51) | 3.05 (2.25) | 3.79 (1.42) |
|  | (p = .20) | (p = 1.0) | (p = .04) |
| **Education** |  |  |  |
| ≤HS | 3.51 (1.39) | 3.23 (2.12) | 3.34 (1.45) |
| Some College (no degree) | 3.68 (1.22) | 2.58 (2.07) | 3.42 (1.12) |
| ≥College degree | 3.86 (1.33) | 3.11 (2.04) | 3.69 (1.25) |
|  | (p = .17) | (p = .13) | (p = .11) |
| **Race/Ethnicity** |  |  |  |
| White | 3.63 (1.36) | 2.82 (2.0) | 3.43 (1.34) |
| Black | 4.14 (1.02) | 2.96 (2.16) | 3.72 (1.13) |
| Hispanic | 3.67 (1.32) | 4.0 (2.11) | 3.78 (1.25) |
| Other\* | 4.32 (1.21) | 3.23 (2.18) | 3.89 (1.16) |
|  | (p = .03) | (p = .02) | (p = .23) |
| **Language in Home** |  |  |  |
| English | 3.69 (1.33) | 2.88 (2.03) | 3.52 (1.3) |
| Other | 3.88 (1.27) | 3.92 (2.16) | 3.6 (1.2) |
|  | (p = .5) | (p = .005) | (p = .92) |
| **Income** |  |  |  |
| <$25k | 3.93 (1.08) | 2.91 (1.98) | 3.54 (1.29) |
| $25k - <$50k | 3.45 (1.38) | 2.96 (2.28) | 3.24 (1.15) |
| $50k - <$75k | 3.64 (1.42) | 3.2 (2.01) | 3.5 (1.39) |
| $75k - <$100k | 3.64 (1.12) | 2.98 (2.11) | 3.79 (1.15) |
| >$100k | 4.06 (1.54) | 3.07 (1.97) | 3.7 (1.44) |
|  | (p = .11) | (p = .91) | (p = .14) |
| **No. Children in Home** |  |  |  |
| 1 | 3.66 (1.41) | 3.06 (2.1) | 3.64 (1.24) |
| >1 | 3.75 (1.27) | 3.01 (2.06) | 3.46 (1.31) |
|  | (p = .75) | (p = .9) | (p = .23) |
| **Geographic Region** |  |  |  |
| Midwest | 3.76 (1.19) | 2.91 (1.96) | 3.53 (1.29) |
| Northeast | 3.86 (1.23) | 3.02 (2.16) | 3.54 (1.28) |
| South | 3.66 (1.37) | 2.95 (2.08) | 3.48 (1.31) |
| West | 3.67 (1.45) | 3.3 (2.13) | 3.6 (1.27) |
|  | (p = .78) | (p = .76) | (p = .96) |

\*Includes Asian, Pacific Islander and Other  
\*Excludes 1 “other” due to sparsity for test  
\*p-values calculated using either the Mann-Whitney test (for 2 categories) or the Kruskal-Wallis test (for > 2 categories)

Table A1. Association between Parent Perceptions and Demographics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Sample Mean (SD) | | | |
| **Item:** | **33. I am worried about the impact of my mobile electronic device use on my child** | **34. I would like help in limiting my mobile electronic device use around my child.** | **46. Using a computer-assisted coach while caring for my child would feel like too much technology.** | **47. Using a computer-assisted coach while caring for my child would raise privacy concerns.** |
| **Overall** | 3.97 (1.5) | 3.96 (1.55) | 4.0 (1.43) | 4.13 (1.47) |
| **Age** | ρ = -.12 | ρ = -.18 | ρ = -.11 | ρ = .01 |
|  | (p = .05) | (p < .001) | (p = .06) | (p = .83) |
| **Sex** |  |  |  |  |
| Female | 3.93 (1.51) | 3.9 (1.57) | 4.02 (1.42) | 4.11 (1.45) |
| Male\* | 4.16 (1.44) | 4.21 (1.47) | 3.96 (1.44) | 4.26 (1.49) |
|  | (p = .32) | (p = .18) | (p = .8) | (p = .39) |
| **Education** |  |  |  |  |
| ≤HS | 3.8 (1.65) | 3.73 (1.65) | 3.94 (1.56) | 3.83 (1.48) |
| Some College (no degree) | 3.75 (1.62) | 3.63 (1.73) | 3.72 (1.61) | 3.86 (1.73) |
| ≥College | 4.18 (1.32) | 4.25 (1.35) | 4.18 (1.23) | 4.44 (1.26) |
|  | (p = .16) | (p = .02) | (p = .28) | (p = .01) |
| **Race/Ethnicity** |  |  |  |  |
| White | 3.82 (1.51) | 3.84 (1.6) | 4.02 (1.42) | 4.2 (1.49) |
| Black | 3.88 (1.7) | 3.75 (1.67) | 3.83 (1.69) | 4.0 (1.67) |
| Hispanic | 4.51 (1.41) | 4.23 (1.44) | 3.93 (1.58) | 3.73 (1.4) |
| Other | 4.38 (1.32) | 4.64 (1.05) | 4.18 (1.05) | 4.23 (1.23) |
|  | (p = .04) | (p = .11) | (p = .96) | (p = .21) |
| **Language in Home** |  |  |  |  |
| English | 3.92 (1.51) | 3.9 (1.58) | 4.02 (1.43) | 4.18 (1.5) |
| Other | 4.32 (1.38) | 4.29 (1.33) | 3.9 (1.41) | 3.82 (1.25) |
|  | (p = .19) | (p = .26) | (p = .6) | (p = .06) |
| **Income** |  |  |  |  |
| <$25k | 3.84 (1.46) | 3.61 (1.53) | 3.95 (1.44) | 3.93 (1.37) |
| $25k - <$50k | 3.82 (1.64) | 3.82 (1.74) | 4.1 (1.55) | 4.13 (1.52) |
| $50k - <$75k | 3.95 (1.71) | 3.91 (1.68) | 3.78 (1.65) | 3.89 (1.8) |
| $75k - <$100k | 4.2 (1.27) | 4.06 (1.36) | 4.12 (1.17) | 4.37 (1.22) |
| >$100k | 4.15 (1.2) | 4.61 (1.05) | 4.12 (1.08) | 4.49 (1.14) |
|  | (p = .67) | (p = .04) | (p = .79) | (p = .35) |
| **No. Children in Home** |  |  |  |  |
| 1 | 4.06 (1.52) | 4.1 (1.55) | 4.06 (1.47) | 4.06 (1.51) |
| <1 | 3.92 (1.49) | 3.87 (1.56) | 3.97 (1.41) | 4.17 (1.45) |
|  | (p = .45) | (p = .18) | (p = .48) | (p = .71) |
| **Geographic Region** |  |  |  |  |
| Midwest | 4.12 (1.39) | 3.88 (1.54) | 3.7 (1.32) | 3.84 (1.43) |
| Northeast | 4.18 (1.51) | 4.14 (1.49) | 4.47 (1.39) | 4.47 (1.42) |
| South | 3.91 (1.52) | 3.97 (1.59) | 3.96 (1.41) | 4.15 (1.43) |
| West | 3.75 (1.55) | 3.86 (1.58) | 4.0 (1.54) | 4.09 (1.61) |
|  | (p = .4) | (p = .82) | (p = .02) | (p = .17) |

\*Includes Asian, Pacific Islander and Other  
\*Excludes 1 “other” due to sparsity for test  
\*p-values calculated using either Mann-Whitney test or Kruskal-Wallis test