**HK/SLO/US – Unit, Within**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Cantonese** | | | **Slovenian** | | | **English (US)** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | 0.69 | 0.44 – 0.93 | <0.001 | 0.22 | 0.03 – 0.41 | 0.023 | 0.57 | 0.36 – 0.79 | **<0.001** |
| Initial Highest Count | 0.81 | 0.56 – 1.06 | <0.001 | - | - | - | 0.76 | 0.45 – 1.08 | **<0.001** |
| Final Highest Count | - | - | - | 0.36 | 0.11 – 0.61 | 0.004 | - | - | **-** |
| Highest Contiguous Next Number | - | - | - | 0.35 | 0.12 – 0.57 | 0.002 | 0.43 | 0.15 – 0.71 | **0.003** |
| Trial Within Initial Highest Count | -0.05 | -0.43 – 0.34 | 0.811 | 0.26 | -0.11 – 0.64 | 0.173 | 0.08 | -0.29 – 0.46 | 0.660 |
| Item Magnitude | -0.52 | -0.70 – -0.33 | <0.001 | -0.33 | -0.49 – -0.17 | <0.001 | -0.49 | -0.66 – -0.33 | <0.001 |
| Age | -0.00 | -0.23 – 0.23 | 0.993 | 0.12 | -0.08 – 0.31 | 0.241 | 0.02 | -0.21 – 0.26 | 0.836 |



**UNIT TASK – INDIA**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Hindi** | | | **Gujarati** | | | **English (US)** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | -0.48 | -0.67 – -0.29 | <0.001 | -0.35 | -0.54 – -0.16 | <0.001 | 0.57 | 0.36 – 0.79 | **<0.001** |
| Initial Highest Count | 0.35 | 0.14 – 0.56 | 0.001 | - | - | - | 0.76 | 0.45 – 1.08 | **<0.001** |
| Final Highest Count | - | - | - | - | - | - | - | - | **-** |
| Highest Contiguous Next Number | 0.33 | 0.12 – 0.53 | 0.002 | - | - | - | 0.43 | 0.15 – 0.71 | **0.003** |
| Trial Within Initial Highest Count | 0.03 | -0.35 – 0.40 | 0.894 | 0.54 | 0.16 – 0.92 | 0.005 | 0.08 | -0.29 – 0.46 | 0.660 |
| Item Magnitude | -0.39 | -0.57 – -0.22 | <0.001 | -0.16 | -0.33 – 0.01 | 0.063 | -0.49 | -0.66 – -0.33 | <0.001 |
| Age | 0.30 | 0.13 – 0.48 | 0.001 | 0.19 | 0.02 – 0.35 | 0.026 | 0.02 | -0.21 – 0.26 | 0.836 |

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**Cross-cultural Unit: HK/SLO/US**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Comparison to Cantonese** | | | **Comparison to Slovenian** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | 0.31 | 0.10 – 0.51 | 0.003 | 0.50 | 0.25 – 0.76 | <0.001 |
| Highest Contiguous Next Number | 0.34 | 0.20 – 0.47 | <0.001 | 0.34 | 0.20 – 0.47 | <0.001 |
| Cantonese | - | - | - | -0.20 | -0.51 – 0.12 | 0.225 |
| Slovenian | 0.20 | -0.12 – 0.51 | 0.225 | - | - | - |
| English (US) | 0.43 | 0.16 – 0.69 | 0.002 | 0.23 | -0.08 – 0.54 | 0.151 |
| Initial Highest Count | 0.55 | 0.34 – 0.75 | <0.001 | 0.55 | 0.24 – 0.86 | 0.001 |
| Trial Within Initial Highest Count | 0.09 | -0.12 – 0.31 | 0.401 | 0.09 | -0.12 – 0.31 | 0.401 |
| Item Magnitude | -0.44 | -0.54 – -0.34 | <0.001 | -0.44 | -0.54 – -0.34 | <0.001 |
| Age | 0.10 | -0.06 – 0.25 | 0.231 | 0.10 | -0.06 – 0.25 | 0.231 |
| WPPSI | 0.07 | -0.06 – 0.18 | 0.219 | 0.07 | -0.04 – 0.18 | 0.219 |
| Cantonese:Initial Highest Count | - | - | - | -0.01 | -0.34 – 0.32 | 0.966 |
| Slovenian:Initial Highest Count | 0.01 | -0.32 – 0.34 | 0.966 | - | - | - |
| English (US): Initial Highest Count | 0.20 | -0.08 – 0.48 | 0.153 | 0.19 | -0.16 – 0.55 | 0.286 |



**CROSS CULTURAL UNIT: INDIA**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Comparison to English (US)** | | |
| *Predictors* | *β* | *CI* | *p* |
| (Intercept) | 0.42 | 0.22 – 0.63 | **<0.001** |
| Highest Next Number | 0.26 | 0.12 – 0.40 | **<0.001** |
| Hindi | -0.69 | -1.01 – -0.38 | **<0.001** |
| Gujarati | -0.71 | -1.01 – -0.42 | **<0.001** |
| Initial Highest Count | 0.45 | 0.27 – 0.63 | **<0.001** |
| Within Initial Highest Count | 0.16 | -0.06 – 0.38 | 0.154 |
| Item Magnitude | -0.37 | -0.47 – -0.27 | **<0.001** |
| Age | 0.27 | 0.10 – 0.44 | **0.002** |
| WPPSI | 0.10 | -0.01 – 0.21 | 0.070 |
| Hindi:Initial Highest Count | 0.45 | 0.04 – 0.87 | **0.033** |
| Gujarati:Initial Highest Count | -0.43 | -0.76 – -0.10 | **0.011** |



**Next Number – HK/SLO/US**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Cantonese** | | | **Slovenian** | | | **English (US)** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | -0.47 | -0.78 – -0.15 | **0.004** | -0.31 | -0.62 – -0.01 | 0.043 | -0.43 | -0.76 – -0.10 | 0.011 |
| Initial Highest Count | 1.62 | 1.26 – 1.98 | **<0.001** | - | - | - | - | - | **-** |
| Final Highest Count | - | - | - | 1.83 | 1.43 – 2.22 | <0.001 | 1.49 | 1.06 – 1.92 | <0.001 |
| Trial Within Initial Highest Count | 0.75 | 0.26 – 1.24 | **0.003** | 1.19 | 0.69 – 1.70 | <0.001 | 1.64 | 1.15 – 2.13 | <0.001 |
| Item Magnitude | -1.12 | -1.40 – -0.84 | **<0.001** | -1.09 | -1.37 – -0.81 | <0.001 | -0.66 | -0.89 – -0.42 | <0.001 |
| Age | 0.34 | 0.01 – 0.67 | **0.041** | 0.47 | 0.15 – 0.80 | 0.004 | 0.69 | 0.27 – 1.11 | 0.001 |



**Next Number: India**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Hindi** | | | **Gujarati** | | | **English (India)** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | -1.88 | -2.34 – -1.43 | **<0.001** | -1.24 | -1.69 – -0.78 | <0.001 | -0.76 | -1.13 – -0.39 | <0.001 |
| Initial Highest Count | 1.41 | 0.93 – 1.88 | **<0.001** | - | - | - | 0.64 | 0.13 – 1.15 | **0.014** |
| Final Highest Count | - | - | - | 1.78 | 1.13 – 2.42 | <0.001 | 0.85 | 0.25 – 1.44 | 0.005 |
| Resilient | - | - | - | -1.75 | -3.46 –-0.04 | 0.045 | - | - | - |
| Trial Within Initial Highest Count | 1.68 | 1.14 – 2.22 | **<0.001** | 2.00 | 1.43 – 2.57 | <0.001 | 1.11 | 0.52 – 1.70 | <0.001 |
| Item Magnitude | -0.92 | -1.24 – -0.61 | **<0.001** | -1.25 | -1.59 – -0.91 | <0.001 | -1.37 | -1.72 – -1.02 | <0.001 |
| Age | 0.53 | 0.09 – 0.98 | **0.020** | 0.37 | -0.02 – 0.75 | 0.064 | 0.18 | -0.30 – 0.67 | 0.458 |

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**Next-number task: Cross linguistic, HK/SLO/US**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Comparison to Cantonese** | | | **Comparison to Slovenian** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | -1.51 | -1.84 – -1.17 | <0.001 | 0.27 | -0.16 – 0.69 | 0.218 |
| Final Highest Count | 1.05 | 0.73 – 1.38 | <0.001 | 1.05 | 0.73 – 1.38 | <0.001 |
| Cantonese | - | - | - | -1.77 | -2.31 – -1.24 | <0.001 |
| Slovenian | 1.77 | 1.24 – 2.31 | <0.001 | - | - | - |
| English (US) | 1.81 | 1.38 – 2.25 | <0.001 | 0.04 | -0.49 – 0.57 | 0.881 |
| Initial Highest Count | 0.65 | 0.27 – 1.02 | 0.001 | 0.88 | 0.28 – 1.48 | 0.004 |
| Trial Within Initial Highest Count | 1.18 | 0.89 – 1.46 | <0.001 | 1.18 | 0.89 – 1.46 | <0.001 |
| Item Magnitude | -0.92 | -1.07 – -0.77 | <0.001 | -0.92 | -1.07 – -0.77 | <0.001 |
| Age | 0.61 | 0.34 – 0.88 | <0.001 | 0.61 | 0.34 – 0.88 | <0.001 |
| WPPSI | 0.15 | -0.02 – 0.33 | 0.088 | 0.15 | -0.02 – 0.33 | 0.088 |
| Cantonese:Initial Highest Count | - | - | - | -0.23 | -0.81 – 0.34 | 0.428 |
| Slovenian:Initial Highest Count | 0.23 | -0.34 – 0.81 | 0.428 | - | - | - |
| English (US): Initial Highest Count | 0.13 | -0.31 – 0.57 | 0.572 | -0.11 | -0.71 – 0.49 | 0.730 |

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**NEXT NUMBER CROSS-LINGUISTIC, INDIA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Comparison to English (US)** | | | **Comparison to English (India)** | | |
| *Predictors* | *β* | *CI* | *p* | *β* | *CI* | *p* |
| (Intercept) | -0.63 | -1.07 – -0.19 | **0.005** | -1.33 | -1.88 – -0.77 | **<0.001** |
| Final Highest Count | 0.98 | 0.58 – 1.38 | **<0.001** | 0.66 | 0.21 – 1.11 | **0.004** |
| Hindi | -0.53 | -1.24 – 0.17 | 0.136 | 0.30 | -0.46 – 1.07 | 0.438 |
| Gujarati | -0.53 | -1.18 – 0.12 | 0.112 | 0.29 | -0.42 – 1.01 | 0.422 |
| Initial Highest Count | 0.42 | 0.01 – 0.84 | **0.047** | 0.25 | -0.18 – 0.68 | 0.262 |
| Trial Within Initial Highest Count | 1.73 | 1.42 – 2.04 | **<0.001** | 1.66 | 1.33 – 2.00 | **<0.001** |
| Item Magnitude | -0.91 | -1.07 – -0.74 | **<0.001** | -1.21 | -1.41 – -1.01 | **<0.001** |
| Age | 0.80 | 0.43 – 1.16 | **<0.001** | 0.57 | 0.16 – 0.99 | **0.006** |
| WPPSI | 0.15 | -0.08 – 0.37 | 0.211 | 0.13 | -0.11 – 0.37 | 0.293 |
| Hindi:Initial Highest Count | 1.48 | 0.58 – 2.38 | **0.001** | 2.05 | 1.19 – 2.90 | **<0.001** |
| Gujarati:Initial Highest Count | 0.45 | -0.28 – 1.18 | 0.227 | 1.00 | 0.29 – 1.71 | **0.006** |

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**UNIT TASK WITHIN LANGUAGE – CANTONESE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cantonese** |  | | **Coefficient estimates (*β)*** | | | | | | |  | | **Likelihood Ratio Test** | | |  | |
| *Models* | (Intercept) | Resilient | | FHC | IHC | HCNN | Trial Within IHC | Item Magnitude | Age | | | χ2 | *p* | *AIC* | Conditional R2 |
| Base | 0.53\*\*\* | - | | - | - | - | 0.26 | -0.39\*\*\* | 0.56\*\*\* | | - | | - | 1626.2 | 0.261 |
| Model 1: Resilience | 0.51\*\* | 0.05 | | - | - | - | 0.26 | -0.39\*\*\* | 0.55\*\*\* | | 0.05 | | .82 | 1628.1 | 0.261 |
| Model 2: FHC | 0.58\*\*\* | - | | 0.44\*\* | - | - | 0.15 | -0.44\*\*\* | 0.26\* | | **11.66** | | **.0006** | **1616.5** | 0.262 |
| Model 3: IHC | 0.69\*\*\* | - | | - | 0.81\*\*\* | - | -0.05 | -0.52\*\*\* | 0 | | 38.91 | | < .0001 | 1589.3 | 0.266 |
| Model 4: HCNN | 0.56\*\*\* | - | | - | - | 0.39\*\* | 0.21 | -0.41\*\*\* | 0.37\*\*\* | | 11.83 | | .0006 | 1616.3 | 0.265 |

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**UNIT TASK WITHIN-LANGUAGE: SLOVENIAN**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Slovenian** |  | | **Coefficient estimates (*β)*** | | | | | | |  | **Likelihood Ratio Test** | | |  | |
| *Models* | (Intercept) | Resilient | | FHC | IHC | HCNN | Trial Within IHC | Item Magnitude | Age | | χ2 | *p* | *AIC* | Conditional R2 |
| Base | 0.15 | - | | - | - | - | 0.43\* | -0.28\*\*\* | 0.41\*\*\* | | - | - | 1436.7 | 0.208 |
| Model 1: Resilience | -0.08 | 0.95\*\*\* | | - | - | - | 0.35 | -0.31\*\*\* | 0.23\* | | 15.97 | <.0001 | 1422.7 | 0.212 |
| Model 2: FHC | 0.21\* | - | | 0.57\*\*\* | - | - | 0.27 | -0.33\*\*\* | 0.12 | | **25.13** | **<.0001** | **1413.6** | 0.216 |
| Model 3: IHC | 0.21\* | - | | - | 0.44\*\*\* | - | 0.27 | -0.33\*\*\* | 0.25\* | | 14.59 | .0001 | 1424.1 | 0.217 |
| Model 4: HCNN | 0.19 | - | | - | - | 0.53\*\*\* | 0.35 | -0.31\*\*\* | 0.24\*\* | | 26.23 | <.0001 | 1412.5 | 0.218 |

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**English (US) – Unit, Within language**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **English (US)** |  | | **Coefficient estimates (*β)*** | | | | | | |  | **Likelihood Ratio Test** | | |  | |
| *Models* | (Intercept) | Resilient | | FHC | IHC | HCNN | Trial Within IHC | Item Magnitude | Age | | χ2 | *p* | *AIC* | Conditional R2 |
| Base | 0.43\*\* | - | | - | - | - | 0.34 | -0.42\*\*\* | 0.69\*\*\* | | - | - | 1513.8 | 0.337 |
| Model 1: Resilience | 0.32 | 0.29 | | - | - | - | 0.33 | -0.43\*\*\* | 0.62\*\*\* | | 1.19 | .27 | 1514.6 | 0.337 |
| Model 2: FHC | 0.47\*\*\* | - | | 0.66\*\*\* | - | - | 0.24 | -0.45\*\*\* | 0.24 | | **18.85** | **.0001** | **1496.9** | 0.343 |
| Model 3: IHC | 0.56\*\*\* | - | | - | 1.02\*\*\* | - | 0.08 | -0.50\*\*\* | 0.09 | | 49.48 | <.0001 | 1466.3 | 0.363 |
| Model 4: HCNN | 0.50\*\*\* | - | | - | - | 0.82\*\*\* | 0.26 | -0.44\*\*\* | 0.25\* | | 35.86 | <.0001 | 1479.9 | 0.355 |

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**UNIT TASK, WITHIN-LANGUAGE: HINDI**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hindi** |  | | **Coefficient estimates (*β)*** | | | | | | |  | **Likelihood Ratio Test** | | |  | |
| *Models* | (Intercept) | Resilient | | FHC | IHC | HCNN | Trial Within IHC | Item Magnitude | Age | | χ2 | *p* | *AIC* | Conditional R2 |
| Base | -0.54\*\*\* | - | | - | - | - | 0.14 | -0.36\*\*\* | 0.50\*\*\* | | - | - | 1344.7 | 0.211 |
| Model 1: Resilience | -0.59\*\*\* | 0.61 | | - | - | - | 0.14 | -0.36\*\*\* | 0.48\*\*\* | | 3.18 | .07 | 1343.5 | 0.211 |
| Model 2: FHC | -0.51\*\*\* | - | | 0.45\*\*\* | - | - | 0.07 | -0.38\*\*\* | 0.41\*\*\* | | **21.60** | **<.0001** | **1325.1** | 0.213 |
| Model 3: IHC | -0.49\*\*\* | - | | - | 0.53\*\*\* | - | 0.01 | -0.40\*\*\* | 0.32\*\*\* | | 28.36 | <.0001 | 1318.4 | 0.215 |
| Model 4: HCNN | -0.50\*\*\* | - | | - | - | 0.51\*\*\* | 0.12 | -0.37\*\*\* | 0.37\*\*\* | | 27.63 | <.0001 | 1319.1 | 0.214 |

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**UNIT TASK, WITHIN LANGUAGE – GUJARATI**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gujarati** |  | | **Coefficient estimates (*β)*** | | | | | | |  | **Likelihood Ratio Test** | | | |  | |
| *Models* | (Intercept) | Resilient | | FHC | IHC | HCNN | Trial Within IHC | Item Magnitude | Age | | | χ2 | *p* | *AIC* | Conditional R2 |
| Base | -0.35\*\*\* | - | | - | - | - | 0.54\*\* | -0.16 | 0.19\* | | - | | - | 1272.7 | 0.093 |
| Model 1: Resilience | -0.38\*\*\* | 0.20 | | - | - | - | 0.53\*\* | -0.17 | 0.18\* | | 0.71 | | .40 | 1274.0 | 0.094 |
| Model 2: FHC | -0.34\*\*\* | - | | 0.09 | - | - | 0.50\* | -0.17 | 0.18\* | | **1.06** | | **.30** | **1273.7** | 0.093 |
| Model 3: IHC | -0.34\*\* | - | | - | 0.11 | - | 0.48\* | -0.18\* | 0.17\* | | 1.73 | | .19 | 1273.0 | 0.093 |
| Model 4: HCNN | -0.34\*\*\* | - | | - | - | 0.11 | 0.51\*\* | 0.17 | 0.18\* | | 1.63 | | .20 | 1273.1 | 0.093 |

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**NEXT NUMBER TASK, WITHIN LANGUAGE: CANTONESE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cantonese** |  | | **Coefficient estimates (*β)*** | | | | | |  | | **Likelihood Ratio Test** | | | |  |
| *Models* | (Intercept) | Resilient | | FHC | IHC | Trial  Within IHC | Item Magnitude | Age | | χ2 | | | *p* | *AIC* | Conditional R2 |
| Base | -0.69\*\*\* | - | | - | - | 1.20\*\*\* | -0.92\*\*\* | 1.49\*\*\* | | - | | - | | 1203.5 | 0.674 |
| Model 1: Resilience | -0.84\*\* | 0.31 | | - | - | 1.19\*\*\* | -0.92\*\*\* | 1.44\*\*\* | | 0.83 | | .36 | | 1204.7 | 0.674 |
| Model 2: FHC | -0.62\*\*\* | - | | 1.20\*\*\* | - | 1.03\*\*\* | -0.99\*\*\* | 0.67\*\*\* | | 34.33 | | **<.0001** | | **1171.2** | 0.678 |
| Model 3: IHC | -0.47\*\* | - | | - | 1.62\*\*\* | 0.75\*\* | -1.12\*\*\* | 0.34\* | | 68.63 | | <.0001 | | 1136.9 | 0.677 |

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**NEXT NUMBER TASK, WITHIN-LANGUAGE: SLOVENIAN**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Slovenian** |  | | **Coefficient estimates (*β)*** | | | | | |  | | **Likelihood Ratio Test** | | | |  |
| *Models* | (Intercept) | Resilient | | FHC | IHC | Trial  Within IHC | Item Magnitude | Age | | χ2 | | | *p* | *AIC* | Conditional R2 |
| Base | -0.63\*\* | - | | - | - | 1.46\*\*\* | -0.95\*\*\* | 1.54\*\*\* | | - | | - | | 901.56 | 0.698 |
| Model 1: Resilience | -1.35\*\*\* | 2.86\*\*\* | | - | - | 1.37\*\*\* | -1.01\*\*\* | 0.89\*\*\* | | 40.26 | | <.0001 | | 863.31 | 0.693 |
| Model 2: FHC | -0.31\* | - | | 1.83\*\*\* | - | 1.19\*\*\* | -1.09\*\*\* | 0.47\*\* | | 72.93 | | **<.0001** | | **830.63** | 0.698 |
| Model 3: IHC | -0.44\* | - | | - | 1.37\*\*\* | 1.26\*\*\* | -1.04\*\*\* | 0.97\*\*\* | | 36.19 | | <.0001 | | 867.38 | 0.706 |

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**NEXT NUMBER TASK, WITHIN-LANGUAGE: US ENGLISH**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **English (US)** |  | | **Coefficient estimates (*β)*** | | | | | |  | | **Likelihood Ratio Test** | | | |  |
| *Models* | (Intercept) | Resilient | | FHC | IHC | Trial Within IHC | Item Magnitude | Age | | χ2 | | | *p* | *AIC* | Conditional R2 |
| Base | -0.50\* | - | | - | - | 1.81\*\*\* | -0.59\*\*\* | 1.77\*\*\* | | - | | - | | 1055.0 | 0.716 |
| Model 1: Resilience | -1.13\*\*\* | 1.59\*\*\* | | - | - | 1.81\*\*\* | -0.59\*\*\* | 1.33\*\*\* | | 14.76 | | .0001 | | 1042.3 | 0.714 |
| Model 2: FHC | -0.43\* | - | | 1.49\*\*\* | - | 1.64\*\*\* | -0.66\*\*\* | 0.69\*\* | | 44.00 | | **<.0001** | | **1013.0** | 0.718 |
| Model 3: IHC | -0.32 | - | | - | 1.33\*\*\* | 1.57\*\*\* | -0.69\*\*\* | 0.99\*\*\* | | 30.52 | | <.0001 | | 1026.5 | 0.737 |

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**NEXT NUMBER TASK, WITHIN-LANGUAGE: HINDI**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hindi** |  | | **Coefficient estimates (*β)*** | | | | | |  | | **Likelihood Ratio Test** | | | |  |
| *Models* | (Intercept) | Resilient | | FHC | IHC | Trial Within IHC | Item Magnitude | Age | | χ2 | | | *p* | *AIC* | Conditional R2 |
| Base | -1.97\*\*\* | - | | - | - | 1.85\*\*\* | -0.85\*\*\* | 0.98\*\*\* | | - | | - | | 853.0 | 0.701 |
| Model 1: Resilience | -2.12\*\*\* | 1.79\* | | - | - | 1.85\*\*\* | -0.86\*\*\* | 0.93\*\*\* | | 4.55 | | .03 | | 850.45 | 0.701 |
| Model 2: FHC | -1.91\*\*\* | - | | 1.25\*\*\* | - | 1.76\*\*\* | -0.89\*\*\* | 0.76\*\* | | 27.38 | | **<.0001** | | **827.62** | 0.713 |
| Model 3: IHC | -1.88\*\*\* | - | | - | 1.41\*\*\* | 1.68\*\*\* | -0.92\*\*\* | 0.53\* | | 33.41 | | <.0001 | | 821.59 | 0.714 |

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**NEXT NUMBER TASK, WITHIN-LANGUAGE: GUJARATI**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gujarati** |  | | **Coefficient estimates (*β)*** | | | | | |  | | **Likelihood Ratio Test** | | |  |
| *Models* | (Intercept) | Resilient | | FHC | IHC | Trial Within IHC | Item Magnitude | Age | | χ2 | | *p* | *AIC* | Conditional R2 |
| Base | -1.54\*\*\* | - | | - | - | 2.23\*\*\* | -1.16\*\*\* | 0.48\* | | - | | - | 795.5 | 0.695 |
| Model 1: Resilience | -1.80\*\*\* | 2.09\*\* | | - | - | 2.19\*\*\* | -1.17\*\*\* | 0.44 | | 10.06 | | .002 | 787.41 | 0.696 |
| Model 2: FHC | -1.47\*\*\* | - | | 1.30\*\*\* | - | 2.03\*\*\* | -1.24\*\*\* | 0.37 | | 36.25 | | **<.0001** | **761.23** | 0.710 |
| Model 3: IHC | -1.46\*\*\* | - | | - | 1.25\*\*\* | 1.98\*\*\* | -1.26\*\*\* | 0.32 | | 33.45 | | <.0001 | 764.02 | 0.710 |

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**NEXT NUMBER TASK, WITHIN-LANGUAGE: INDIAN ENGLISH**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **English (India)** |  | | **Coefficient estimates (*β)*** | | | | | |  | | **Likelihood Ratio Test** | | |  |
| *Models* | (Intercept) | Resilient | | FHC | IHC | Trial Within IHC | Item Magnitude | Age | | χ2 | | *p* | *AIC* | Conditional R2 |
| Base | -0.87\*\*\* | - | | - | - | 1.40\*\*\* | -1.25\*\*\* | 1.21\*\*\* | | - | | - | 697.8 | 0.676 |
| Model 1: Resilience | -1.10\*\*\* | 0.56 | | - | - | 1.41\*\*\* | -1.25\*\*\* | 1.06\*\*\* | | 1.46 | | .23 | 698.32 | 0.676 |
| Model 2: FHC | -0.80\*\*\* | - | | 1.27\*\*\* | - | 1.23\*\*\* | -1.31\*\*\* | 0.25 | | 21.1 | | **<.0001** | **678.68** | 0.678 |
| Model 3: IHC | -0.77\*\*\* | - | | - | 1.06\*\*\* | 1.13\*\*\* | -1.37\*\*\* | 0.57\* | | 19.49 | | <.0001 | 680.30 | 0.685 |

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**UNIT TASK, CROSS-LINGUISTIC: HK/SLO/US**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Comparison to Cantonese** | | | | **Comparison to Slovenian** | | | |
|  | **Coefficient Estimates (*β)*** | | | | **Coefficient Estimates (*β)*** | | | |
| *Predictors* | Base | Model 1: Resilience | Model 2: FHC | Model 3: HCNN | Base | Model 1: Resilience | Model 2: FHC | Model 3: HCNN |
| (Intercept) | 0.21\* | 0.14 | 0.19 | 0.31\*\* | 0.57\*\*\* | 0.51\*\*\* | 0.57\*\*\* | 0.50\*\*\* |
| Resilient | - | 0.15 | - | - | - | 0.15 | - | - |
| Final Highest Count | - | - | 0.15 | - | - | - | 0.15 | - |
| Highest Contiguous Next Number | - | - | - | 0.34\*\*\* | - | - | - | 0.34\*\*\* |
| Cantonese | - | - | - | - | -0.35\* | -0.37\* | -0.38\* | -0.20 |
| Slovenian | 0.35\* | 0.37\* | -0.38\* | 0.20 | - | - | - | - |
| English (US) | 0.60\*\*\* | 0.60\*\*\* | 0.61\*\*\* | 0.43\*\* | 0.24 | 0.24 | 0.23 | 0.23 |
| Initial Highest Count | 0.68\*\*\* | 0.67\*\*\* | 0.58\*\*\* | 0.55\*\*\* | 0.78\*\*\* | 0.73 | 0.62\*\* | 0.55\*\* |
| Trial Within Initial Highest Count | 0.10 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 |
| Item Magnitude | -0.44\*\*\* | -0.44\*\*\* | -0.44\*\*\* | -0.44\*\*\* | -0.44\*\*\* | -0.44\*\*\* | -0.44\*\*\* | -0.44\*\*\* |
| Age | 0.16 | 0.13 | 0.11 | 0.10 | 0.16\* | 0.13 | 0.11 | 0.10 |
| WPPSI | 0.09 | 0.08 | 0.08 | 0.07 | 0.09 | 0.08 | 0.08 | 0.07 |
| Cantonese:Initial Highest Count | - | - | - | - | -0.10 | -0.05 | -0.04 | -0.01 |
| Slovenian:Initial Highest Count | 0.10 | 0.05 | 0.04 | 0.01 | - | - | - | - |
| English (US): Initial Highest Count | 0.31\* | 0.30\* | 0.30\* | 0.20 | 0.21 | 0.25 | 0.26 | 0.19 |
| **Likelihood Ratio Test** |  |  |  |  |  |  |  |  |
| χ2 | - | 1.56 | 2.14 | 22.66 |  |  |  |  |
| *p* | - | .21 | .14 | <.0001 |  |  |  |  |
| AIC | 4402.96 | 4403.4 | 4477.4 | 4382.3 |  |  |  |  |
| Conditional R2 | 0.293 | 0.293 | 0.292 | 0.295 |  |  |  |  |

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**UNIT TASK, CROSS-LINGUISTIC: HINDI, GUJARATI, US ENGLISH**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Coefficient Estimates (*β)*** | | | |
| *Predictors* | Base | Model 1: Resilience | Model 2: FHC | Model 3: HCNN |
| (Intercept) | 0.44\*\*\* | 0.43\*\*\* | 0.44\*\*\* | 0.42\*\*\* |
| Resilient | - | 0.03 | - | - |
| Final Highest Count | - | - | 0 | - |
| Highest Contiguous Next Number | - | - | - | 0.26\*\*\* |
| Hindi | -0.70\*\*\* | -0.69\*\*\* | -0.70\*\*\* | -0.69\*\*\* |
| Gujarati | -0.74\*\*\* | -0.73\*\*\* | -0.74\*\*\* | -0.71\*\*\* |
| Initial Highest Count | 0.60\*\*\* | 0.59\*\*\* | 0.60\*\*\* | 0.45\*\*\* |
| Trial Within Initial Highest Count | 0.15 | 0.15 | 0.15 | 0.16 |
| Item Magnitude | -0.38\*\*\* | -0.38\*\*\* | -0.38\*\*\* | -0.37\*\*\* |
| Age | 0.30\*\* | 0.29\*\* | 0.30\*\* | 0.27\*\* |
| WPPSI | 0.12\* | 0.12\* | 0.12\* | 0.10 |
| Hindi:Initial Highest Count | 0.56\*\* | 0.56\*\* | 0.56\*\* | 0.45\* |
| Gujarati:Initial Highest Count | -0.38\* | -0.38\* | -0.38\* | -0.43\* |
| **Likelihood Ratio Test** |  |  |  |  |
| χ2 | - | 0.04 | 0 | 13.11 |
| *p* | - | .85 | .99 | .0003 |
| AIC | 3955.0 | 3956.9 | 3957 | 3943.9 |
| Conditional R2 | 0.282 | 0.282 | 0.282 | 0.285 |

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**NEXT NUMBER, CROSS-LINGUISTIC, HK/SLO/US**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Comparison to Cantonese** | | | | **Comparison to Slovenian** | | |
|  | **Coefficient Estimates (*β)*** | | | | **Coefficient Estimates (*β)*** | | |
| *Predictors* | Base | Model 1: Resilience | Model 2: FHC | Base | | Model 1: Resilience | Model 2: FHC |
| (Intercept) | -1.38\*\*\* | -1.80\*\*\* | -1.51\*\*\* | 0.20 | | -0.14 | 0.27 |
| Resilient | - | 0.88\*\*\* | - | - | | 0.88\*\*\* | - |
| Final Highest Count | - | - | 1.05\*\*\* | - | | - | 1.05\*\*\* |
| Cantonese | - | - | - | -1.58\*\*\* | | -1.66\*\*\* | -1.77\*\*\* |
| Slovenian | 1.58\*\*\* | 1.66\*\*\* | 1.77\*\*\* | - | | - | - |
| English (US) | 1.77\*\*\* | 1.78\*\*\* | 1.81\*\*\* | 0.18 | | 0.12 | 0.04 |
| Initial Highest Count | 1.27\*\*\* | 1.26\*\*\* | 0.65\*\* | 1.93\*\*\* | | 1.65\*\*\* | 0.88\*\* |
| Trial Within Initial Highest Count | 1.20\*\*\* | 1.19\*\*\* | 1.18\*\*\* | 1.20\*\*\* | | 1.19\*\*\* | 1.18\*\*\* |
| Item Magnitude | -0.91\*\*\* | -0.92\*\*\* | -0.92\*\*\* | -0.91\*\*\* | | -0.92\*\*\* | -0.92\*\*\* |
| Age | 0.92\*\*\* | 0.75\*\*\* | 0.61\*\*\* | 0.92\*\*\* | | 0.75\*\*\* | 0.61\*\*\* |
| WPPSI | 0.19\* | 0.17 | 0.15 | 0.19\* | | 0.17 | 0.15 |
| Cantonese:Initial Highest Count | - | - | - | -0.65\* | | -0.39 | -0.23 |
| Slovenian:Initial Highest Count | 0.65\* | 0.39 | 0.23 | - | | - | - |
| English (US): Initial Highest Count | 0.26 | 0.18 | 0.13 | -0.39 | | -0.21 | -0.11 |
| **Likelihood Ratio Test** |  |  |  |  | |  |  |
| χ2 | - | 19.85 | 38.99 |  | |  |  |
| *p* | - | <.0001 | <.0001 |  | |  |  |
| AIC | 2986.45 | 2968.60 | 2949.46 |  | |  |  |
| Conditional R2 | 0.708 | 0.707 | 0.702 |  | |  |  |

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**NEXT NUMBER, CROSS-LINGUISTIC, INDIA**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Comparison to English (US)** | | | | **Comparison to English (India)** | | |
|  | **Coefficient Estimates (*β)*** | | | | **Coefficient Estimates (*β)*** | | |
| *Predictors* | Base | Model 1: Resilience | Model 2: FHC | Base | | Model 1: Resilience | Model 2: FHC |
| (Intercept) | -0.33 | -0.74\*\* | -0.63\*\* | -0.97\*\*\* | | -1.19\*\*\* | -1.33\*\*\* |
| Resilient | - | 0.98\*\* | - | - | | 0.50 | - |
| Final Highest Count | - | - | 0.98\*\*\* | - | | - | 0.66\*\* |
| Hindi | -1.00\*\* | -0.67 | -0.53 | -0.17 | | -0.01 | 0.30 |
| Gujarati | -0.93\*\* | -0.66 | -0.53 | -0.14 | | 0 | 0.29 |
| Initial Highest Count | 1.11\*\*\* | 1.01\*\*\* | 0.42\* | 0.63\*\*\* | | 0.62\*\* | 0.25 |
| Trial Within Initial Highest Count | 1.73\*\*\* | 1.73\*\*\* | 1.73\*\*\* | 1.66\*\*\* | | 1.67\*\*\* | 1.66\*\*\* |
| Item Magnitude | -0.90\*\*\* | -0.90\*\*\* | -0.91\*\*\* | -1.21\*\*\* | | -1.21\*\*\* | -1.21\*\*\* |
| Age | 0.97\*\*\* | 0.85\*\*\* | 0.80\*\*\* | 0.71\*\* | | 0.64\*\* | 0.57\*\* |
| WPPSI | 0.20 | 0.20 | 0.15 | 0.20 | | 0.18 | 0.13 |
| Hindi:Initial Highest Count | 1.68\*\*\* | 1.61\*\* | 1.48\*\* | 2.19\*\*\* | | 2.13\*\*\* | 2.05\*\*\* |
| Gujarati:Initial Highest Count | 0.75 | 0.50 | 0.45 | 1.22\*\* | | 1.07\*\* | 1.00\*\* |
| **Likelihood Ratio Test** |  |  |  |  | |  |  |
| χ2 | - | 9.93 | 22.71 | - | | 2.03 | 8.36 |
| *p* | - | .002 | <.0001 | - | | 0.15 | .004 |
| AIC | 2558.6 | 2550.7 | 2537.9 | 2146.6 | | 2146.5 | 2140.2 |
| Conditional R2 | 0.738 | 0.736 | 0.733 | 0.717 | | 0.716 | 0.716 |

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**Languages**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Numeral** |  |  |  |
|  | **2** | **5** | **10** | **20** | **25** | **50** | **52** | **102** |
| Cantonese | **yih** | **ńgh** | **sahp** | yihsahp | yihsahpńgh | ńghsahp | ńghsahpyih | **yātbāaklìng**yih |
| Slovenian | **dva** | **pet** | **deset** | **dvajset** | petindva**jset** | petdeset | dvainpetdeset | **sto** dva |
| English | **two** | **five** | **ten** | **twenty** | **twenty**-five | **fifty** | **fifty**-two | one **hundred** two |
| Gujarati | **be** | **pāṅch** | **das** | **vīs** | **panchīs** | **pachās** | **bāvan** | **eka so** be |
| Hindi | **do** | **pānch** | **das** | **bīs** | **pachchīs** | **pacās** | **bāvan** | **ēka sau** do |

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**Highest Count**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***n*** | ***M* IHC (*SD*)** | ***M* FHC (*SD)*** | ***M* Prompts (*SD)*** |
| **Cantonese**  Overall  Resilient  Non-Resilient | 118  61  57 | 73 (41.91)  85 (40.00)  60 (40.24) | 94 (45.06)  122 (25.44)  64 (42.43) | 2.56 (1.92)  3.61 (2.19)  1.51 (0.63) |
| **Slovenian**  Overall  Resilient  Non-Resilient | 99  26  73 | 27 (28.36)  56 (38.34)  17 (13.80) | 44 (45.07)  109 (36.08)  21 (16.04) | 2.31 (1.87)  4.32 (2.46)  1.67 (1.06) |
| **English (US)**  Overall  Resilient  Non-Resilient | 111  42  69 | 41 (41.53)  64 (46.32)  27 (31.19) | 61 (49.19)  110 (28.33)  31 (32.01) | 3.02 (2.77)  5.54 (3.41)  1.74 (0.92) |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***n*** | ***M* IHC (*SD*)** | ***M* FHC (*SD)*** | ***M* Prompts (*SD)*** |
| **Hindi**  Overall  Resilient  Non-Resilient | 91  8  83 | 24 (13.63)  38 (22.04)  22 (11.86) | 31 (22.99)  81 (43.28)  26 (12.42) | 2.00 (1.37)  4.00 (1.85)  1.80 (1.14) |
| **Gujarati**  Overall  Resilient  Non-Resilient | 80  11  69 | 27 (17.75)  52 (27.28)  23 (11.55) | 37 (25.87)  86 (31.34  29 (13.64) | 2.26 (1.25)  3.36 (0.81)  2.08 (1.22) |
| **English (India)**  Overall  Resilient  Non-Resilient | 70  28  42 | 48 (39.64)  59 (37.58)  40 (39.57) | 75 (48.62)  117 (22.60)  47 (40.15) | 3.07 (2.12)  4.61 (2.38)  2.05 (1.08) |
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| --- | --- | --- |
|  | **Mean (*SD*)** | **Median** |
| **Cantonese**  Overall  Resilient  Non-Resilient | 55 (74.39)  74 (85.31)  35 (54.42) | 16  24  7 |
| **Slovenian**  Overall  Resilient  Non-Resilient | 50 (82.56)  121 (98.20)  25 (59.28) | 7  107  7 |
| **English (US)**  Overall  Resilient  Non-Resilient | 66 (98.41)  118 (112.61)  33 (71.52) | 7  62  7 |
| **English (India)**  Overall  Resilient  Non-Resilient | 43 (61.55)  65 (83.72)  28 (46.00) | 12  24  7 |
| **Gujarati**  Overall  Resilient  Non-Resilient | 34 (61.55)  65 (83.72)  25 (46.63) | 12  24  7 |
| **Hindi**  Overall  Resilient  Non-Resilient | 30 (70.86)  82 (113.59)  25 (64.16) | 7  30  7 |

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| --- | --- | --- | --- | --- | --- |
|  | **Cluster 1** | **Cluster 2** | **Cluster 3** | **Cluster 4** | **Cluster 5** |
| **Cantonese (*n*)**  Mean (*SD*)  Probability  Proportion Resilient | *n* = 20  17.83 (6.57)  0.192  .20 | *n* = 24  34.18 (6.57)  0.189  .46 | *n* =15  59.23 (6.57)  0.119  .73 | *n* = 50  106.12 (6.57)  0.423  .52 | *n* = 20  139.89 (6.57)  0.077  1.0 |
| **Slovenian (*n*)**  Mean (*SD*)  Probability  Proportion Resilient | *n* = 48  11.64 (4.52)  0.49  .08 | *n* = 15  13.58 (1.00)  0.13  0 | *n* = 16  29.73 (1.73)  0.15  .44 | *n* = 20  66.46 (35.05)  0.23  .75 | — |
| **English (US) (*n*)**  Mean (*SD*)  Probability  Proportion Resilient | *n* = 54  12.55 (3.75)  0.47  .13 | *n* = 22  28.91 (0.40)  0.19  .50 | *n* = 35  89.49 (39.24)  0.33  .69 | — | — |
| **English (India) (*n*)**  Mean (*SD*)  Probability  Proportion Resilient | *n* = 32  14.45 (4.94)  0.40  .22 | *n* = 15  33.42 (15.16)  0.27  .67 | *n* = 23  101.01 (11.60)  0.33  .48 | — | — |
| **Gujarati (*n*)**  Mean (*SD*)  Probability  Proportion Resilient | *n* = 69  20.48 (9.22)  0.82  .06 | *n* = 11  56.50 (17.34)  0.18  .64 | — | — | — |
| **Hindi (*n*)**  Mean (*SD*)  Probability  Proportion Resilient | *n* = 82  20.11 (8.40)  0.90  .05 | *n* = 9  55.81 (8.20)  0.10  .44 | — | — | — |

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