Appendix A. By-group models for the word naming accuracy

(1) Chinese group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | ß | *SE* | *p* |
| Model including LoR | Intercept | 2.32 | 0.32 | < .001\*\*\* |
| Language | –0.35 | 0.31 | .249 |
| LoR | 0.19 | 0.20 | .345 |
| Language × LoR | 2.07 | 0.32 | < .001\*\*\* |
| Model including L2-L1 input ratio | Intercept | 2.28 | 0.31 | < .001\*\*\* |
| Language | –0.19 | 0.34 | .585 |
| Input | –0.15 | 0.14 | .286 |
| Language × Input | 1.44 | 0.29 | < .001\*\*\* |
| Model including L2 AoA(categorical variable) | Intercept | 2.28 | 0.31 | < .001\*\*\* |
| Language | –0.35 | 0.44 | .421 |
| AoA | 0.29 | 0.36 | .427 |
| Language × AoA | –1.35 | 0.86 | .117 |
| Model including L2 AoA(continuous variable) | Intercept | 2.28 | 0.31 | < .001\*\*\* |
| Language | –0.34 | 0.44 | .433 |
| AoA | 0.17 | 0.16 | .306 |
| Language × AoA | –0.53 | 0.41 | .188 |

(2) Russian group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | ß | *SE* | *p* |
| Model including LoR | Intercept | 1.66 | 0.31 | < .001\*\*\* |
| Language | –2.57 | 0.22 | < .001\*\*\* |
| LoR | 0.18 | 0.14 | .204 |
| Language × LoR | 1.18 | 0.24 | < .001\*\*\* |
| Model including L2-L1 input ratio | Intercept | 1.65 | 0.31 | < .001\*\*\* |
| Language | –2.55 | 0.22 | < .001\*\*\* |
| Input | 0.64 | 0.49 | .193 |
| Language × Input | 4.16 | 0.84 | < .001\*\*\* |
| Model including L2 AoA(categorical variable) | Intercept | 1.66 | 0.31 | < .001\*\*\* |
| Language | –2.58 | 0.29 | < .001\*\*\* |
| AoA | 0.18 | 0.26 | .482 |
| Language × AoA | 0.11 | 0.57 | .852 |
| Model including L2 AoA(continuous variable) | Intercept | 1.65 | 0.31 | < .001\*\*\* |
| Language | –2.58 | 0.29 | < .001\*\*\* |
| AoA | 0.11 | 0.14 | .421 |
| Language × AoA | 0.17 | 0.31 | .588 |

Appendix B. By-group models for the response time

(1) Chinese group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | ß | *SE* | *p* |
| Model including LoR | Intercept | 1260.7 | 39.14 | < .001\*\*\* |
| Language | –13.67 | 23.79 | .570 |
| LoR | –18.81 | 30.96 | .547 |
| Language × LoR | –161.30 | 25.15 | < .001\*\*\* |
| Model including L2-L1 input ratio | Intercept | 1262.43 | 38.50 | < .001\*\*\* |
| Language | –14.01 | 23.13 | .549 |
| Input | 61.41 | 22.74 | .010\* |
| Language × Input | –161.60 | 21.90 | < .001\*\*\* |
| Model including L2 AoA(categorical variable) | Intercept | 1258.11 | 38.68 | < .001\*\*\* |
| Language | –12.51 | 35.47 | .727 |
| AoA | –39.75 | 59.02 | .505 |
| Language × AoA | 80.64 | 70.83 | .264 |
| Model including L2 AoA(continuous variable) | Intercept | 1257.83 | 38.68 | < .001\*\*\* |
| Language | –12.42 | 35.34 | .728 |
| AoA | –19.18 | 27.44 | .490 |
| Language × AoA | 41.22 | 33.37 | .226 |

(2) Russian group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | ß | *SE* | *p* |
| Model including LoR | Intercept | 1287.56 | 35.43 | < .001\*\*\* |
| Language | 238.23 | 27.84 | < .001\*\*\* |
| LoR | –0.74 | 25.78 | .977 |
| Language × LoR | –96.82 | 29.27 | .002\*\* |
| Model including L2-L1 input ratio | Intercept | 1286.73 | 35.27 | < .001\*\*\* |
| Language | 238.62 | 28.81 | < .001\*\*\* |
| Input | –64.11 | 89.90 | .481 |
| Language × Input | –290.69 | 108.14 | .011\* |
| Model including L2 AoA(categorical variable) | Intercept | 1286.09 | 35.22 | < .001\*\*\* |
| Language | 238.15 | 31.41 | < .001\*\*\* |
| AoA | 29.05 | 47.24 | .543 |
| Language × AoA | –70.01 | 63.14 | .275 |
| Model including L2 AoA(continuous variable) | Intercept | 1286.09 | 35.20 | < .001\*\*\* |
| Language | 237.47 | 30.39 | < .001\*\*\* |
| AoA | 20.34 | 25.98 | .439 |
| Language × AoA | –62.88 | 33.83 | .071 |