**Table S1**

*Fixed Effect Estimates (Top) and Variance Estimates (Bottom) for Multi-Level Probit Model of 3-6 Yr.-Olds’ Auditory Discrimination Accuracy (d’) for Same vs. Different Word Pairs by Number of Differing Phonemes (Observations = 1596, Log Likelihood = -730.8).*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fixed effect | Coefficient | *SE* | Wald *z* | *p* |
| *c* (intercept) | 1.18 | 0.09 | 13.81 | < .001\*\*\* |
| 0 vs. 1 differing phoneme (*d’*) | -1.78 | 0.10 | -18.30 | < .001\*\*\* |
| 0 vs. 2 differing phonemes (*d’*)  0 vs. 3 differing phonemes (*d’*) | -2.14  -2.00 | 0.11  0.15 | -19.62  -13.65 | < .001\*\*\*  < .001\*\*\* |

|  |  |
| --- | --- |
| Random effect | *s*2 |
| Participant | 0.43 |
| Item | 0.10 |

**Table S2**

*Tukey HSD-Corrected Post-Hoc Tests for Number of Phonological Differences for Multi-Level Probit Model of 3-6 Yr.-Olds’ Auditory Discrimination Accuracy (d’) for Same vs. Different Word Pairs by Number of Differing Phonemes*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comparison | Estimate | *SE* | *z*-ratio | *p* |
| 0 vs. 1 differing phoneme | 1.78 | 0.10 | 18.30 | < .001\*\*\* |
| 0 vs. 2 differing phonemes | 2.14 | 0.11 | 19.62 | < .001\*\*\* |
| 0 vs. 3 differing phonemes | 2.00 | 0.15 | 13.65 | < .001\*\*\* |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Figure S1**  *Auditory Discrimination Task Performance (d’) of 3-6 Yr.-Olds for Word Pairs with Zero vs. (A) Three Differing Phonemes; (B) Two Differing Phonemes; (C) One Differing Phoneme (Means Indicated by Black Dots and Values)*    **Table S3**  *Fixed Effect Estimates (Top) and Variance Estimates (Bottom) for Multi-Level Logit Model of 3-6 Yr.-Olds’ Auditory Discrimination Accuracy (d’) for Same Word Pairs and Word Pairs with One Differing Phoneme by Position of Phoneme Difference (Observations = 1155, Log Likelihood = -521.0)*   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Fixed effect | Coefficient | *SE* | Wald *z* | *p* | | *c* (intercept) | 0.63 | 0.07 | 8.46 | < .001\*\*\* | | Initial consonant, same vs. different (*d*’) | 1.76 | 0.15 | 11.92 | < .001\*\*\* | | Vowel, same vs. different (*d*’)  Final consonant, same vs. different (*d*’) | 2.01  1.63 | 0.15  0.13 | 13.09  12.17 | < .001\*\*\*< .001\*\*\* |  |  |  | | --- | --- | | Random effect | *s*2 | | Participant  Item | 0.39  0.12 |   **Table S4**  *Tukey HSD-Corrected Post-Hoc Tests for Multi-Level Logit Model of 3-6 Yr.-Olds’ Auditory Discrimination Accuracy (d’) for Same Word Pairs and Word Pairs with One Differing Phoneme by Position of Phoneme Difference*     |  |  |  |  |  | | --- | --- | --- | --- | --- | | Comparison | Estimate | *SE* | *z*-ratio | *p* | | Same vs. different initial consonant | -1.75 | 0.15 | 11.92 | < .001\*\*\* | | Same vs. different vowel  Same vs. different final consonant  Different initial consonant vs. different vowel  Different initial consonant vs. different final consonant  Different vowel vs. different final consonant | -2.01  -1.63  -0.25  0.12  0.38 | 0.15  0.13  0.19  0.17  0.18 | 13.09  -12.17  -1.34  0.70  2.08 | < .001\*\*\*  < .001\*\*\*  .88  .99  .43 |   **Table S5**  *Fixed Effect Estimates (Top) and Variance Estimates (Bottom) for Multi-Level Probit Model of 3-6 Yr.-Olds’ Auditory Discrimination Accuracy (d’) for Same Word Pairs vs. Word Pairs with One Phonological Difference by Number and Position of Feature Differences (Observations = 1155, Log Likelihood = -518.3)* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fixed effect | Coefficient | *SE* | Wald *z* | *p* |
| *c* (intercept) | 0.19 | 0.09 | 13.76 | < .001\*\*\* |
| Initial consonant, 0 vs. 1 feature differences (*d*’)  Initial consonant, 0 vs. 2 or 3 feature differences (*d*’) | -1.51  -2.06 | 0.19  0.21 | -8.01  -9.74 | < .001\*\*\*< .001\*\*\* |
| Vowel, 0 vs. 1 feature differences (*d*’)  Vowel, 0 vs. 2 or 3 feature differences (*d*’)  Final consonant, 0 vs. 1 feature differences (*d*’)  Final consonant, 0 vs. 2 or 3 feature differences (*d*’) | -1.91  -2.13  -1.71  -1.58 | 0.20  0.21  0.19  0.17 | -9.49  -10.00  -8.88  -9.49 | < .001\*\*\*< .001\*\*\*< .001\*\*\*  < .001\*\*\* |

|  |  |
| --- | --- |
| Random effect | *s*2 |
| Participant  Item | 0.39  0.09 |

**Table S6**

*Tukey HSD-Corrected Post-Hoc Tests by Number of Feature Differences by Position in Multi-Level Probit Model of 3-6 Yr.-Olds’ Auditory Discrimination Accuracy (d’) for Same Word Pairs vs. Word Pairs with One Phonological Difference by Number and Position of Feature Differences*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comparison | Estimate | *SE* | *z*-ratio | *p* |
| Same vs. initial consonant, 1 feature difference | 1.51 | 0.19 | 8.01 | < .001\*\*\* |
| Same vs. initial consonant, 2 or 3 feature differences  Same vs. final consonant, 1 feature difference  Same vs. final consonant, 2 or 3 feature differences | 2.06  1.71  1.58 | 0.21  0.19  0.17 | 9.74  8.88  9.49 | < .001\*\*\* .001\*\*\*  < .001\*\*\* |

**Figure S2**

*Auditory Discrimination Task Performance (d’) of 3-6 Yr.-Olds for Word Pairs with Zero vs. One or Two or Three Differing Features in (A) Initial Consonants and (B) Final Consonants (Means Indicated by Black Dots and Values)*

Figure S3