



INDIANA UNIVERSITY BLOOMINGTON

Gierut / Learnability Project



The Learnability Project was founded in 1985 by Judith A. Gierut, Professor Emerita of Speech and Hearing Sciences, Indiana University. Through funding from the National Institutes of Health, the project served as a test site in evaluation of the efficacy of clinical treatment for preschool children with functional (nonorganic) phonological disorders. Children who enrolled contributed longitudinal descriptive phonological samples for linguistic analysis. They also received clinical treatment, designed as single-subject experiments, to establish the optimal teaching conditions to promote phonological learning. Experimental studies were based on the triangulation of theoretical models of linguistics, psycholinguistics, and speech-language pathology, with the aim of bridging theory with application and science with best practices. The Gierut / Learnability Project collections accord with the data-sharing plan of the National Institutes of Health and are intended for broad use by scientists, clinicians, and students interested in language and learning.

Content Statement

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| Phase 1 Ssn | Trt Target | N Trt Stim | Trials | Corr | Opp | C/O % |
|-------------|------------|------------|--------|------|-----|-------|
| Imit 1 | s | 5 | 9 | 29 | 45 | 64% |
| Imit 1 | g | 5 | 9 | 13 | 45 | 29% |
| Imit 2 | s | 5 | 11 | 49 | 55 | 89% |
| Imit 2 | g | 5 | 11 | 27 | 55 | 49% |
| Imit 3 | s | 5 | 9 | 42 | 45 | 93% |
| Imit 3 | g | 5 | 9 | 37 | 45 | 82% |
| Imit 4 | s | 5 | 10 | 48 | 50 | 96% |
| Imit 4 | g | 5 | 10 | 49 | 50 | 98% |
| Imit 5 | s | 5 | 9 | 44 | 45 | 98% |
| Imit 5 | g | 5 | 9 | 44 | 45 | 98% |
| Spont 1 | s | 5 | 13 | 61 | 65 | 94% |
| Spont 1 | g | 5 | 13 | 56 | 65 | 86% |
| Spont 2 | s | 5 | 12 | 48 | 60 | 80% |
| Spont 2 | g | 5 | 12 | 53 | 60 | 88% |
| Spont 3 | s | 5 | 13 | 58 | 65 | 89% |
| Spont 3 | g | 5 | 13 | 61 | 65 | 94% |
| Spont 4 | s | 5 | 12 | 59 | 60 | 98% |
| Spont 4 | g | 5 | 12 | 54 | 60 | 90% |
| Spont 5 | s | 5 | 13 | 65 | 65 | 100% |
| Spont 5 | g | 5 | 13 | 61 | 65 | 94% |

| Phase 2 Ssn | Trt Target | N Trt Stim | Trials | Corr | Opp | C/O % |
|-------------|------------|------------|--------|------|-----|-------|
| Imit 1 | f | 5 | 8 | 35 | 40 | 88% |
| Imit 1 | h | 5 | 8 | 25 | 40 | 63% |
| Imit 2 | f | 5 | 9 | 41 | 45 | 91% |
| Imit 2 | h | 5 | 9 | 44 | 45 | 98% |
| Imit 3 | f | 5 | 10 | 44 | 50 | 88% |
| Imit 3 | h | 5 | 10 | 48 | 50 | 96% |
| Imit 4 | f | 5 | 9 | 41 | 45 | 91% |
| Imit 4 | h | 5 | 9 | 45 | 45 | 100% |
| Imit 5 | f | 5 | 10 | 45 | 50 | 90% |
| Imit 5 | h | 5 | 10 | 50 | 50 | 100% |
| Spont 1 | f | 5 | 5 | 22 | 25 | 88% |
| Spont 1 | h | 5 | 5 | 25 | 25 | 100% |
| Spont 2 | f | 5 | 11 | 54 | 55 | 98% |
| Spont 2 | h | 5 | 11 | 54 | 55 | 98% |

| Phase 3 Ssn | Trt Target | N Trt Stim | Trials | Corr | Opp | C/O % |
|-------------|------------|------------|--------|------|-----|-------|
| Imit 1 | dʒ | 5 | 3 | 0 | 15 | 0% |
| Imit 1 | θ | 5 | 3 | 6 | 15 | 40% |
| Imit 2 | dʒ | 5 | 10 | 0 | 50 | 0% |
| Imit 2 | θ | 5 | 10 | 48 | 50 | 96% |
| Imit 3 | dʒ | 5 | 8 | 38 | 40 | 95% |
| Imit 3 | θ | 5 | 8 | 35 | 40 | 88% |
| Imit 4 | dʒ | 5 | 10 | 34 | 50 | 68% |
| Imit 4 | θ | 5 | 10 | 46 | 50 | 92% |
| Imit 5 | dʒ | 5 | 6 | 28 | 30 | 93% |
| Imit 5 | θ | 5 | 3 | 13 | 15 | 87% |
| Imit 6 | dʒ | 5 | 9 | 41 | 45 | 91% |
| Imit 6 | θ | 5 | 9 | 41 | 45 | 91% |
| Imit 7 | dʒ | 5 | 10 | 45 | 50 | 90% |
| Imit 7 | θ | 5 | 10 | 49 | 50 | 98% |
| Spont 1 | dʒ | 5 | 10 | 41 | 50 | 82% |
| Spont 1 | θ | 5 | 10 | 48 | 50 | 96% |
| Spont 2 | dʒ | 5 | 9 | 44 | 45 | 98% |
| Spont 2 | θ | 5 | 9 | 43 | 45 | 96% |
| Spont 3 | dʒ | 5 | 10 | 50 | 50 | 100% |
| Spont 3 | θ | 5 | 10 | 49 | 50 | 98% |