**DIAGNOSIS-TEST**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |
| duration (sec) | 36.86 | 18.84 | 33 |
| total utterances | 8.28 | 5.05 | 7 |
| MLU (words) | 16.71 | 17.45 | 9.889 |
| # word (types) | 55.86 | 21.18 | 55 |
| # words (tokens) | 94.56 | 48.45 | 84 |
| TTR | 0.64 | 0.13 | 0.63 |
| words/min | 155.18 | 26.38 | 153.913 |
| verbs/utt | 2.79 | 3.12 | 1.692 |
| density | 0.44 | 0.05 | 0.452 |
| % nouns | 22.33 | 5.75 | 20.732 |
| % plurals | 18.30 | 10.97 | 16.667 |
| % verbs | 18.37 | 3.53 | 18.852 |
| % auxiliaries | 5.01 | 2.36 | 4.918 |
| % modals | 1.43 | 1.54 | 1.124 |
| % 3S (3rd person sing) | 40.50 | 17.72 | 41.935 |
| % 1S, 3S | 1.99 | 4.58 | 0 |
| % past | 6.31 | 9.07 | 4 |
| % past participles | 2.30 | 4.58 | 0 |
| % present participles | 46.24 | 15.58 | 44.444 |
| % prepositions | 8.40 | 2.57 | 8.642 |
| % adjectives | 3.25 | 2.42 | 2.727 |
| % adverbs | 6.50 | 2.51 | 6.098 |
| % conjunctions | 0.93 | 1.08 | 0.645 |
| % determiners | 11.40 | 3.32 | 11.429 |
| % pronouns | 12.30 | 5.40 | 12.069 |
| noun/verb | 1.29 | 0.55 | 1.192 |
| open/closed | 1.06 | 0.26 | 1 |
| # open-class words | 46.79 | 23.00 | 41 |
| # closed-class words | 46.96 | 25.71 | 41 |
| MATTR-10 | 0.94 | 0.03 | 0.946 |

**DIAGNOSIS-TRAIN-AD**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |
| duration (sec) | 33.11 | 20.17 | 32 |
| total utterances | 9.75 | 5.06 | 8 |
| MLU (words) | 8.68 | 6.02 | 7.231 |
| # word (types) | 47.80 | 19.61 | 49 |
| # words (tokens) | 79.37 | 47.88 | 77 |
| TTR | 0.66 | 0.13 | 0.649 |
| words/min | 144.23 | 29.84 | 143.077 |
| verbs/utt | 1.45 | 1.26 | 1.125 |
| density | 0.46 | 0.07 | 0.466 |
| % nouns | 20.62 | 7.13 | 20.253 |
| % plurals | 16.79 | 11.65 | 16.667 |
| % verbs | 19.12 | 4.92 | 19.481 |
| % auxiliaries | 4.05 | 2.93 | 3.968 |
| % modals | 1.67 | 1.76 | 1.37 |
| % 3S (3rd person sing) | 34.97 | 18.10 | 33.333 |
| % 1S, 3S | 0.81 | 2.35 | 0 |
| % past | 5.48 | 7.16 | 0 |
| % past participles | 2.67 | 4.46 | 0 |
| % present participles | 41.48 | 16.96 | 40 |
| % prepositions | 7.73 | 3.88 | 7.937 |
| % adjectives | 3.23 | 2.79 | 2.326 |
| % adverbs | 7.11 | 3.35 | 6.667 |
| % conjunctions | 0.86 | 1.23 | 0 |
| % determiners | 8.97 | 4.07 | 8.861 |
| % pronouns | 15.07 | 6.79 | 14.286 |
| noun/verb | 1.18 | 0.63 | 1 |
| open/closed | 1.08 | 0.32 | 1.069 |
| # open-class words | 39.07 | 22.16 | 36 |
| # closed-class words | 39.14 | 26.05 | 34 |
| MATTR-10 | 0.94 | 0.04 | 0.943 |

**DIAGNOSIS-TRAIN-CN**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |
| duration (sec) | 38.25 | 22.99 | 35.00 |
| total utterances | 6.76 | 3.21 | 7.00 |
| MLU (words) | 17.57 | 17.65 | 12.20 |
| # word (types) | 57.39 | 27.39 | 53.00 |
| # words (tokens) | 96.35 | 67.53 | 79.00 |
| TTR | 0.67 | 0.13 | 0.65 |
| words/min | 147.53 | 30.55 | 150.76 |
| verbs/utt | 2.89 | 2.93 | 2.00 |
| density | 0.45 | 0.05 | 0.45 |
| % nouns | 24.87 | 7.47 | 22.73 |
| % plurals | 18.50 | 11.66 | 18.75 |
| % verbs | 18.91 | 4.18 | 18.34 |
| % auxiliaries | 4.78 | 2.56 | 4.60 |
| % modals | 1.33 | 1.50 | 1.05 |
| % 3S (3rd person sing) | 40.14 | 17.75 | 41.67 |
| % 1S, 3S | 0.63 | 2.23 | 0.00 |
| % past | 4.72 | 6.28 | 0.00 |
| % past participles | 2.95 | 4.67 | 0.00 |
| % present participles | 49.85 | 22.51 | 46.67 |
| % prepositions | 9.39 | 3.15 | 9.89 |
| % adjectives | 3.31 | 1.98 | 3.18 |
| % adverbs | 6.24 | 3.22 | 5.97 |
| % conjunctions | 1.07 | 1.22 | 0.97 |
| % determiners | 10.92 | 3.38 | 11.18 |
| % pronouns | 10.19 | 4.40 | 10.81 |
| noun/verb | 1.40 | 0.61 | 1.25 |
| open/closed | 1.30 | 0.90 | 1.09 |
| # open-class words | 48.62 | 30.98 | 41.00 |
| # closed-class words | 47.09 | 36.47 | 41.00 |
| MATTR-10 | 0.95 | 0.03 | 0.95 |

**PROGRESSION-TEST**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |
| duration (sec) | 36.66 | 19.18 | 35.00 |
| total utterances | 15.97 | 6.32 | 15.50 |
| MLU (words) | 4.24 | 2.22 | 4.12 |
| # word (types) | 44.84 | 18.09 | 47.50 |
| # words (tokens) | 70.09 | 42.15 | 62.50 |
| TTR | 0.73 | 0.17 | 0.72 |
| words/min | 111.27 | 28.23 | 107.08 |
| verbs/utt | 0.60 | 0.43 | 0.57 |
| density | 0.37 | 0.09 | 0.37 |
| % nouns | 36.14 | 14.05 | 33.80 |
| % plurals | 18.99 | 14.35 | 17.71 |
| % verbs | 13.40 | 5.09 | 13.32 |
| % auxiliaries | 0.55 | 0.90 | 0.00 |
| % modals | 4.51 | 2.74 | 4.18 |
| % 3S (3rd person sing) | 16.68 | 19.06 | 16.67 |
| % 1S, 3S | 0.35 | 1.96 | 0.00 |
| % past | 8.10 | 11.34 | 0.00 |
| % past participles | 1.40 | 3.98 | 0.00 |
| % present participles | 10.99 | 20.54 | 0.00 |
| % prepositions | 6.38 | 4.47 | 5.00 |
| % adjectives | 5.09 | 6.18 | 3.45 |
| % adverbs | 3.70 | 2.97 | 3.22 |
| % conjunctions | 0.73 | 1.09 | 0.00 |
| % determiners | 4.72 | 3.09 | 4.76 |
| % pronouns | 11.74 | 5.12 | 11.45 |
| noun/verb | 3.36 | 3.29 | 2.33 |
| open/closed | 1.65 | 0.86 | 1.36 |
| # open-class words | 37.44 | 19.03 | 36.00 |
| # closed-class words | 30.91 | 24.00 | 26.50 |
| MATTR-10 | 0.95 | 0.03 | 0.95 |

**PROGRESSION-TRAIN-DECLINE**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Measure** | | **Mean** | | **SD** | | **Median** | |
| duration (sec) | 36.83 | | 22.33 | | 30.50 | |
| total utterances | 15.67 | | 5.82 | | 16.50 | |
| MLU (words) | 4.59 | | 2.14 | | 4.77 | |
| # word (types) | 43.25 | | 18.40 | | 38.50 | |
| # words (tokens) | 74.92 | | 44.44 | | 71.00 | |
| TTR | 0.68 | | 0.21 | | 0.67 | |
| words/min | 124.06 | | 32.51 | | 132.20 | |
| verbs/utt | 0.66 | | 0.41 | | 0.51 | |
| density | 0.41 | | 0.08 | | 0.41 | |
| % nouns | 28.29 | | 12.20 | | 21.95 | |
| % plurals | 26.61 | | 14.28 | | 25.91 | |
| % verbs | 15.45 | | 3.86 | | 16.54 | |
| % auxiliaries | 0.81 | | 1.35 | | 0.00 | |
| % modals | 4.35 | | 2.40 | | 4.95 | |
| % 3S (3rd person sing) | 14.15 | | 28.43 | | 2.94 | |
| % 1S, 3S | 0.00 | | 0.00 | | 0.00 | |
| % past | 5.83 | | 6.60 | | 3.99 | |
| % past participles | 6.20 | | 8.48 | | 0.00 | |
| % present participles | 10.21 | | 12.26 | | 6.23 | |
| % prepositions | 7.56 | | 4.84 | | 8.64 | |
| % adjectives | 4.36 | | 4.23 | | 2.87 | |
| % adverbs | 5.25 | | 3.42 | | 5.76 | |
| % conjunctions | 0.47 | | 0.85 | | 0.00 | |
| % determiners | 7.18 | | 2.07 | | 6.77 | |
| % pronouns | 12.68 | | 6.91 | | 13.81 | |
| noun/verb | 2.17 | | 1.68 | | 1.41 | |
| open/closed | 1.33 | | 0.68 | | 1.16 | |
| # open-class words | 36.00 | | 17.53 | | 34.00 | |
| # closed-class words | 37.83 | | 27.35 | | 33.00 | |
| MATTR-10 | 0.96 | | 0.02 | | 0.96 | |

**PROGRESSION-TRAIN-NO\_DECLINE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |

|  |  |  |  |
| --- | --- | --- | --- |
| duration (sec) | 37.60 | 18.47 | 36.00 |
| total utterances | 16.11 | 5.30 | 16.00 |
| MLU (words) | 4.17 | 3.04 | 2.94 |
| # word (types) | 42.46 | 18.89 | 42.00 |
| # words (tokens) | 66.32 | 48.90 | 54.00 |
| TTR | 0.76 | 0.18 | 0.79 |
| words/min | 98.86 | 32.22 | 93.33 |
| verbs/utt | 0.59 | 0.51 | 0.44 |
| density | 0.35 | 0.09 | 0.35 |
| % nouns | 40.00 | 14.57 | 37.29 |
| % plurals | 17.99 | 13.63 | 15.39 |
| % verbs | 14.06 | 5.24 | 14.29 |
| % auxiliaries | 0.75 | 1.20 | 0.00 |
| % modals | 2.99 | 2.44 | 3.07 |
| % 3S (3rd person sing) | 18.25 | 22.71 | 11.11 |
| % 1S, 3S | 0.31 | 1.38 | 0.00 |
| % past | 10.40 | 15.74 | 4.76 |
| % past participles | 2.33 | 5.64 | 0.00 |
| % present participles | 9.05 | 11.26 | 6.25 |
| % prepositions | 5.28 | 3.95 | 4.94 |
| % adjectives | 4.67 | 4.16 | 3.80 |
| % adverbs | 4.41 | 3.50 | 4.29 |
| % conjunctions | 0.60 | 1.08 | 0.00 |
| % determiners | 4.72 | 3.44 | 4.76 |
| % pronouns | 10.72 | 5.14 | 11.11 |
| noun/verb | 3.51 | 2.97 | 2.43 |
| open/closed | 2.37 | 1.97 | 1.64 |
| # open-class words | 37.51 | 21.59 | 34.00 |
| # closed-class words | 27.56 | 27.28 | 22.00 |
| MATTR-10 | 0.96 | 0.03 | 0.97 |
|  |  |  |  |

**CHAT transcriptions – 237 files, all speaker IDs 🡪 PAR**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |

|  |  |  |  |
| --- | --- | --- | --- |
| duration (sec) | 66.66 | 33.06 | 60.00 |
| total utterances | 15.52 | 6.50 | 14.00 |
| MLU (words) | 7.37 | 2.19 | 7.08 |
| # word (types) | 61.16 | 20.41 | 59.00 |
| # words (tokens) | 118.94 | 56.59 | 108.00 |
| TTR | 0.55 | 0.09 | 0.54 |
| words/min | 113.26 | 33.67 | 111.43 |
| verbs/utt | 1.23 | 0.41 | 1.21 |
| density | 0.42 | 0.05 | 0.43 |
| % nouns | 19.88 | 5.01 | 19.51 |
| % plurals | 14.97 | 8.47 | 14.82 |
| % verbs | 17.63 | 3.05 | 17.46 |
| % auxiliaries | 6.25 | 2.35 | 6.14 |
| % modals | 1.15 | 1.16 | 1.00 |
| % 3S (3rd person sing) | 53.85 | 17.90 | 53.85 |
| % 1S, 3S | 0.92 | 3.36 | 0.00 |
| % past | 4.24 | 7.63 | 0.00 |
| % past participles | 2.92 | 4.33 | 0.00 |
| % present participles | 46.78 | 15.46 | 45.46 |
| % prepositions | 7.61 | 2.21 | 7.41 |
| % adjectives | 3.02 | 1.85 | 2.90 |
| % adverbs | 6.29 | 2.26 | 6.10 |
| % conjunctions | 0.90 | 1.01 | 0.75 |
| % determiners | 12.58 | 3.40 | 12.50 |
| % pronouns | 12.22 | 4.95 | 12.07 |
| noun/verb | 1.19 | 0.49 | 1.08 |
| open/closed | 0.97 | 0.31 | 0.92 |
| # open-class words | 55.03 | 25.62 | 49.00 |
| # closed-class words | 60.31 | 30.80 | 55.00 |
| MATTR-10 | 0.93 | 0.03 | 0.93 |

**CHAT transcriptions – 237 files, PAR only**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Mean** | **SD** | **Median** |

|  |  |  |  |
| --- | --- | --- | --- |
| duration (sec) | 53.19 | 29.66 | 49.00 |
| total utterances | 10.49 | 4.61 | 10.00 |
| MLU (words) | 8.59 | 2.79 | 8.31 |
| # word (types) | 50.95 | 21.90 | 48.00 |
| # words (tokens) | 95.86 | 55.39 | 84.00 |
| TTR | 0.57 | 0.10 | 0.57 |
| words/min | 113.40 | 36.40 | 113.57 |
| verbs/utt | 1.40 | 0.50 | 1.38 |
| density | 0.41 | 0.05 | 0.42 |
| % nouns | 22.99 | 6.22 | 22.39 |
| % plurals | 16.46 | 9.76 | 16.00 |
| % verbs | 16.74 | 3.14 | 16.67 |
| % auxiliaries | 7.27 | 3.19 | 7.06 |
| % modals | 0.95 | 1.20 | 0.59 |
| % 3S (3rd person sing) | 61.72 | 20.64 | 63.16 |
| % 1S, 3S | 1.17 | 4.52 | 0.00 |
| % past | 5.29 | 10.02 | 0.00 |
| % past participles | 3.68 | 5.78 | 0.00 |
| % present participles | 52.46 | 20.27 | 50.00 |
| % prepositions | 7.81 | 2.76 | 7.69 |
| % adjectives | 2.84 | 2.06 | 2.63 |
| % adverbs | 5.89 | 2.63 | 5.71 |
| % conjunctions | 1.03 | 1.23 | 0.71 |
| % determiners | 14.09 | 3.95 | 13.89 |
| % pronouns | 8.91 | 4.86 | 8.75 |
| noun/verb | 1.45 | 0.61 | 1.34 |
| open/closed | 1.03 | 0.57 | 0.94 |
| # open-class words | 45.60 | 25.60 | 39.00 |
| # closed-class words | 49.05 | 30.20 | 42.00 |
| MATTR-10 | 0.93 | 0.03 | 0.93 |