Table 1. English and Shanghainese LCM-SS Counts and Indices Over Time

|  |  |  |  |
| --- | --- | --- | --- |
|  | **English** |  | **Shanghainese Chinese** |
|  |  | ***% change*** | ***Slope*** | ***R²*** |  | ***% change*** | ***Slope*** | ***R²*** |
| ***LCM-SS Counts*** |  |  |  |  |  |  |  |  |
|  Total number of words | c1 | NRT\* | NRT | NRT |  | NRT | NRT | NRT |
|  Total number of content units (CU) | c2 | NRT  | NRT | NRT |  | -47% | -0.15 | 0.74 |
|  Correct grammatical morphemes in CUs | c3 | -24% | -0.02 | 0.55 |  | -89% | -0.13 | 0.70 |
|  Total number of morphosyntactic errors | c4 | NRT | NRT | NRT |  | NRT | NRT | NRT |
|  Total number of semantic errors  | c5 | NRT | NRT | NRT |  | NRT | NRT | NRT |
|  Total number of sound errors  | c6 | **425%** | 0.94 | 0.75 |  | 525% | 0.15 | 0.54 |
|  Number of words with repetitions  | c7 | **192%** | 0.09 | 0.71 |  | 107% | 0.13 | 0.57 |
|  Minutes of speech | c8 | 65% | 0.02 | 0.71 |  | NRT | NRT | NRT |
| ***LCM-SS Indices*** |  |  |  |  |  |  |  |  |
|  Index of Lexical Efficiency  | c1/c2 | NRT | NRT | NRT |  | 128% | 0.13 | 0.70 |
|  Index of Communicative Efficiency | c2/c8 | -46% | -0.03 | 0.68 |  | -58% | -0.16 | 0.81 |
|  Index of Grammatical Support  | c3/c2 | NRT | NRT | NRT |  | -79% | -0.10 | 0.52 |
|  Index of Grammatical Errors | c4/c1 | NRT | NRT | NRT |  | NRT | NRT | NRT |
|  Index of Semantic Errors | c5/c1 | NRT | NRT | NRT |  | NRT | NRT | NRT |
|  Index of Sound Errors | (c6+c7)/c1 | **246%** | 0.07 | 0.89 |  | **148%** | 0.14 | 0.69 |

*\* NRT = No reliable trend over time.*