Appendix 9: Lexical and Syntactic Features of the Listening Passages

Table 1 summarizes information about the frequency of vocabulary used in the listening passages of the IELTS test used in the current study.

Table 1

Freq. Level	Families (%)	Types (%)	Tokens (%)
K-1 Words	416 (66.6)	541 (68.05)	2233 (85.9)
K-2 Words	112 (17.9)	131 (16.48)	171 (6.6)
K-3 Words	48 (7.7)	53 (6.67)	71 (2.7)
K-4 Words	21 (3.4)	24 (3.02)	43 (1.7)
K-5 Words	15 (2.4)	18 (2.26)	40 (1.5)
K-6 Words	3 (0.5)	3 (0.38)	3 (0.1)
K-7 Words	2 (0.3)	2 (0.25)	7 (0.3)
K-8 Words	2 (0.3)	2 (0.25)	2 (0.1)
K-9 Words	1 (0.2)	1 (0.13)	1 (0.0)
K-10 Words	2 (0.3)	2 (0.25)	2 (0.1)

Table 2 summarizes several indices related to the lexical and syntactic features of the listening passages. For more information about the indices reported here, see McNamara, Graesser, McCarthy & Cai, Z. (2014).

Table 2

Lexical Diversity		
LDTTRc	0.585	Lexical diversity, type-token ratio, content word lemmas
LDTTRa	0.316	Lexical diversity, type-token ratio, all words
LDMTLD	95.594	Lexical diversity, MTLD, all words
LDVOCD	119.104	Lexical diversity, VOCD, all words
Syntactic Complexity		
SYNLE	2.162	Left embeddedness, words before main verb, mean
SYNNP	0.704	Number of modifiers per noun phrase, mean
SYNMEDpos	0.758	Minimal Edit Distance, part of speech
SYNMEDwrd	0.943	Minimal Edit Distance, all words
SYNMEDlem	0.924	Minimal Edit Distance, lemmas
SYNSTRUTa	0.074	Sentence syntax similarity, adjacent sentences, mean
SYNSTRUTt	0.063	Sentence syntax similarity, all combinations, across paragraphs, mean
Syntactic Pattern Density		
DRNP	363.289	Noun phrase density, incidence
DRVP	216.826	Verb phrase density, incidence
DRAP	46.654	Adverbial phrase density, incidence
DRPP	94.455	Preposition phrase density, incidence
DRPVAL	8.031	Agentless passive voice density, incidence
DRNEG	5.354	Negation density, incidence
DRGERUND	11.855	Gerund density, incidence
DRINF	23.709	Infinitive density, incidence