

L2 Syntactic Complexity Analyzer

Lu, X. (2010). Automatic analysis of syntactic complexity in second language writing. *International Journal of Corpus Linguistics*, 15 (4), 474 -496 .
<http://www.personal.psu.edu/xx113/downloads/l2sca.html>

指標一覧

■ 9 structures in the text:

- 1.words (W)
- 2.sentences (S)
- 3.verb phrases (VP)
- 4.clauses (C)
- 5.T-units (T)
- 6.dependent clauses (DC)
- 7.complex T-units (CT)
 - ・ 従属節を含む T-unit
- 8.coordinate phrases (CP)
 - ・ 形容詞、副詞、名詞、動詞
- 9.complex nominals (CN)
 - ・ 修飾
 - ・
 - ・

■ 14 syntactic complexity indices of the text:

- 1.mean length of sentence (MLS)
- 2.mean length of T-unit (MLT)
- 3.mean length of clause (MLC)
- 4.clauses per sentence (C/S)
- 5.verb phrases per T-unit (VP/T)
- 6.clauses per T-unit (C/T)
- 7.dependent clauses per clause (DC/C)
- 8.dependent clauses per T-unit (DC/T)
- 9.T-units per sentence (T/S)
- 10.complex T-unit ratio (CT/T)
- 11.coordinate phrases per T-unit (CP/T)
- 12.coordinate phrases per clause (CP/C)
- 13.complex nominals per T-unit (CN/T)
- 14.complex nominals per clause (CN/C)

■ 名詞句の複雑性 (CN/C)

- ・ Lu (2010: 483)

どうやって使うか

■ 手元にプログラムをインストール

- Python
- Java

1.L2SCA-2022-07-12.tgz をダウンロード

1.Stanford Parser も含まれている

1.Stanford Parser が Java で書かれている

2.README ファイルを読む

■ Web-based L2 Syntactic Complexity Analyzer

<https://aihaiyang.com/software/>

- Single Mode
 - 2 ファイルまで
 - 1000 語以内のテキストファイル
- Batch Mode
 - 30 ファイルまで

■ TAASSC 内で

Kyle, K. (2016). Measuring syntactic development in L2 writing: Fine grained indices of syntactic complexity and usage-based indices of syntactic sophistication (Doctoral Dissertation). Retrieved from http://scholarworks.gsu.edu/alesl_diss/35.

<https://www.linguisticanalysistools.org/taassc.html>