

## **ColloCaid: Assisting Writers with Academic English Collocations**

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# ColloCaid: Assisting Writers with Academic English Collocations

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Collocations seem to be among the most frequent look-up needs of users of written academic English (Yoon 2016; Granger and Paquot 2017). Although there are a number of lexicographic tools and resources that can enhance the use of academic English collocations (e.g. McCarthy and O'Dell 2008; Flax Library; Ackermann and Chen 2013; Mayor 2013; Lea et al. 2014; Granger and Paquot 2015), writers may not be aware of such aids or may not be sufficiently aware of the lexical shortcomings of their emerging texts so as to trigger the need to seek help when needed (e.g. Frankenberg-Garcia 2011, 2015; Laufer 2011). Moreover, even if users did wish to look up a collocation while writing an essay, dissertation, thesis, research article or similar, doing so could interrupt their thoughts and distract them from getting their ideas down on paper (Yoon 2016).

To address this problem, we are developing a smart-lexicography tool that integrates dictionary and text-editor architectures to help writers with academic English collocations. ColloCaid is a web-based text editor that prompts users of academic English to look up collocations as they write, or, alternatively, allows writers to check the collocations of existing drafts (Frankenberg-Garcia 2018, Frankenberg-Garcia et al. 2019; Lew et al. 2018). Unlike predictive text, ColloCaid does not autocomplete sentences, but rather nudges writers to seek collocations that express their intended meanings.

In the first part of this presentation, we outline how we have drawn on a combination of academic word lists and corpora (Paquot 2010, Ackermann and Chen 2013, Gardner and Davies 2014, Durrant 2016) and on lexical analysis software (Kilgarrieff et al. 2008, 2014) to compile our lexicographic database, and we explain how we have integrated collocation cues into a text editor on the basis of previous research (e.g. Miller 1956, Dziemianko 2014, Frankenberg-Garcia 2015, Boers and Webb 2017). We finish this part with a demo of our prototype, which is ready for testing. Next, we report on explicit feedback on a beta version of ColloCaid provided by experts (lexicographers, EAP tutors and academics) and users of academic English in Spain, Brazil, Poland and the UK. We present a first-hand account of ColloCaid's usability measured against the widely used System Usability Scale (Brookes 1996), which enables us to compare ColloCaid with other interactive tools, and we summarize users' impressions on the lexical coverage and usefulness of the tool. In line with our emphasis on user-centred design, we conclude the paper by inviting eLex delegates to test the tool for themselves, and let us know what they think while development is still in progress.

## References

**Ackermann, K. and Y. Chen** (2013). Developing the Academic Collocations List (ACL) – a corpus-driven and expert-judged approach, *Journal of English for Academic Purposes* 12, 235-247.

**Boers, F., & S. Webb** (2017). Teaching and learning collocation in adult second and foreign language learning. *Language Teaching* 51(1), 77-89.

**Brooke, J.** (1996) SUS: A quick and dirty usability scale. In P.W. Jordan, B. Thomas, B. A. Weerdmeester & I. L. McClelland (eds.) *Usability Evaluation in Industry*. London: Taylor & Francis, 189-194.

**ColloCaid** (n.d.) [www.collocaid.uk](http://www.collocaid.uk)

**Durrant, P.** (2016). To what extent is the Academic Vocabulary List relevant to university student writing? *English for Specific Purposes* 43, 49–61.

**Dziemianko, A.** (2014). On the presentation and placement of collocations in monolingual English learners' dictionaries: insights into encoding and retention. *International Journal of Lexicography* 27(3), 259–279.

**Flax Library** (n.d.) <http://flax.nzdl.org/greenstone3/flax?a=fp&sa=collAbout&c=collocations>

**Frankenberg-Garcia, A.** (2011). Beyond L1-L2 equivalents: where do users of English as a foreign language turn for help? *International Journal of Lexicography* 24(1), 97–123.

**Frankenberg-Garcia, A.** (2015). Dictionaries and encoding examples to support language production. *International Journal of Lexicography* 24(4), 490–512.

**Frankenberg-Garcia, A.** (2018). Combining Learner Needs, Lexicographic Data and Digital Text Environments. *Language Teaching*. First view online, 1-15.

**Frankenberg-Garcia, A., Lew, R., Roberts, J., Rees, G. and Sharma, N. (2019)** Developing a writing assistant to help EAP writers with collocations in real time. *ReCALL* 31(2), 23-39.

**Gardner, D. & M. Davies** (2014). A new Academic Vocabulary List. *Applied Linguistics* (35)3, 305–327.

**Granger, S. and Paquot, M.** (2015). Electronic lexicography goes local: Design and structures of a needs-driven online academic writing aid. *Lexicographica - International Annual for Lexicography* 31(1), 118-141.

**Granger, S. and Paquot, M.** (2017). Putting the Louvain English for Academic Purposes Dictionary to the test: Implicit vs. explicit feedback. Paper presented at *eLex 2017*, Leiden, 19-21 September 2017.

**Kilgarriff, A., Husák, M., McAdam, K., Rundell, M. and Rychlý, P.** (2008). GDEX: Automatically finding good dictionary examples in a corpus. In *Proceedings of the 13th EURALEX International Congress*, Spain, July 2008, 425–432.

**Kilgarriff, A., Baisa, V., Bušta, J., Jakubíček, M., Kovvář, V., Michelfeit, J. and Suchomel, V.** (2014). The Sketch Engine: Ten years on. *Lexicography* 1, 7–36.

**Laufer, B.** (2011). The Contribution of Dictionary Use to the Production and Retention of Collocations in a Second Language. *International Journal of Lexicography* 24(1), 29-49.

**Lea, D. (ed.)** (2014). *Oxford Learner's Dictionary of Academic English*. Oxford: Oxford University Press.

**Lew, R., Frankenberg-Garcia, A., Rees, G., Roberts, J. and Sharma, N.** (2018). ColloCaid: A real-time tool to help academic writers with English collocations. *Proceedings of the XVIII EURALEX International Congress*, Ljubljana University Press, 247-254.

**Mayor, M. (ed.)** (2013). *Longman Collocations Dictionary and Thesaurus*. Harlow: Pearson Education.

**McCarthy, M. and F. O'Dell.** (2008). *Academic Vocabulary in Use*. Oxford: Oxford University Press.

**Miller, G.** (1956). The magical number seven, plus or minus two: some limits on our capacity for processing information. *Psychological Research* 63(2), 81-97.

**Paquot, M.** (2010). *Academic Vocabulary in Learner Writing: From Extraction to Analysis*. London: Continuum

**Yoon, C.** (2016). Concordancers and dictionaries as problem-solving tools for ESL academic writing. *Language Learning and Technology*, 20(1), 209–229.