

Automated Segmentation Exercises with PATKIT

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Land acknowledgement

The University of Alberta, its buildings, labs and research stations are primarily located on the territory of the Nēhiyaw (Cree), Niitsitapi (Blackfoot), Métis, Nakoda (Stoney), Dene, Haudenosaunee (Iroquois) and Anishinaabe (Ojibway/Saulteaux), lands that are now known as part of Treaties 6, 7 and 8 and homeland of the Métis. The University of Alberta respects the sovereignty, lands, histories, languages, knowledge systems and cultures of all First Nations, Métis and Inuit nations.

I'd like to also add some words of my own.

Outline

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Introduction: The what and the why

- ▶ Segmentation can be explained, but actually getting good at it requires hands-on practice.
- ▶ While Praat (Boersma and Weenink 2010) has an excellent segmentation interface, it does not provide a segmentation exercise interface.
- ▶ PATKIT (Palo et al. 2025) copies Praat's segmentation interface and adds a resettable exercise feature.

Method: The how



Demo - seeing is believing

Want to have a go yourself?

MaTiPSS ad

Thank you!

References

- Boersma, P. and Weenink, D. (2010). Praat: Doing phonetics by computer [Computer program]. Version 5.1.44, retrieved 4 October 2010 from <http://www.praat.org/>.
- Palo, P., Moisik, S. R., and Faytak, M. (2025). PATKIT: Phonetic Analysis ToolKIT [Python software package]. Available in a public software repository, accessed 8 February 2025. <https://github.com/giuthas/patkit>.