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 Néhiyaw (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.

In addition to our university's written land acknowledgement I'd like to speak of my own relation to the lands where I have been working for almost a year now.

Outline

- Land acknowledgement
- This slide
- Introduction: The what and the why
- Method: The how
- Demo
- Want to have a go yourself?
- MaTiPSS ad
- Thanks and references

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

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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.