ToneSwiper

Interested? Get in touch!

Facilitating manual ToDI-annotation of Dutch prosody

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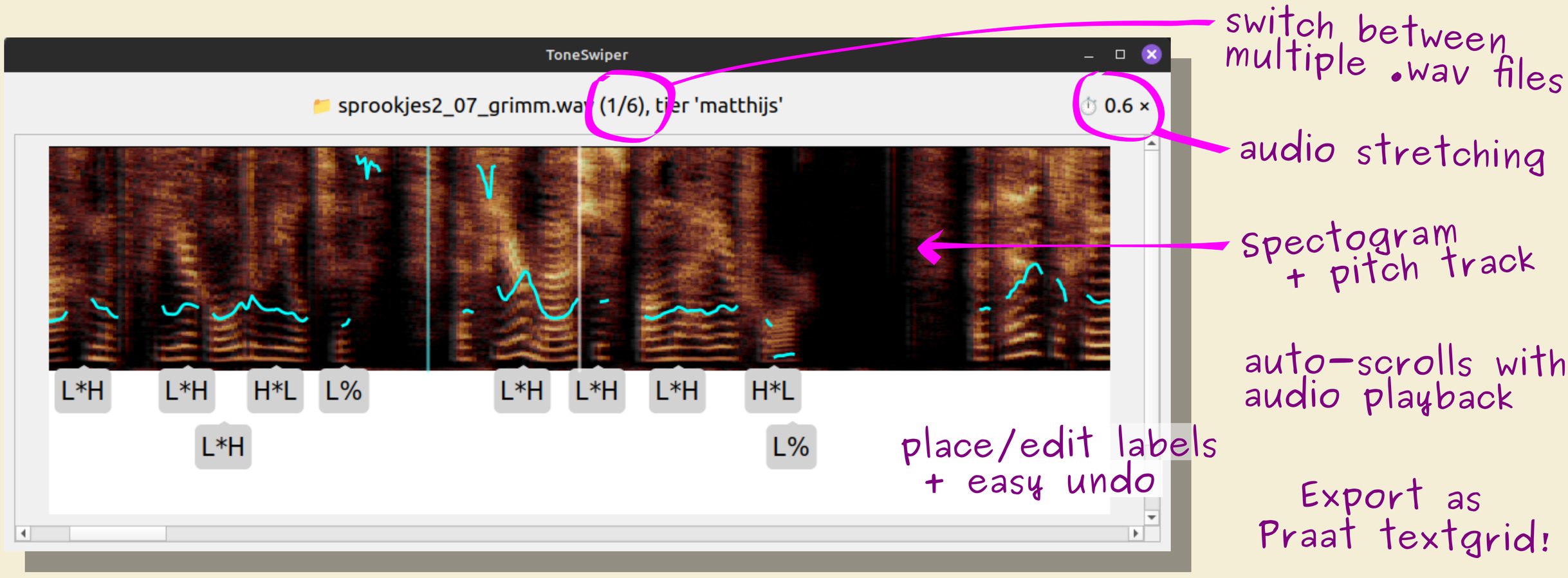
Contributions

- Ergonomic tool for ToDI transcription
- Tested on messy dialogue
- Open-source Python package

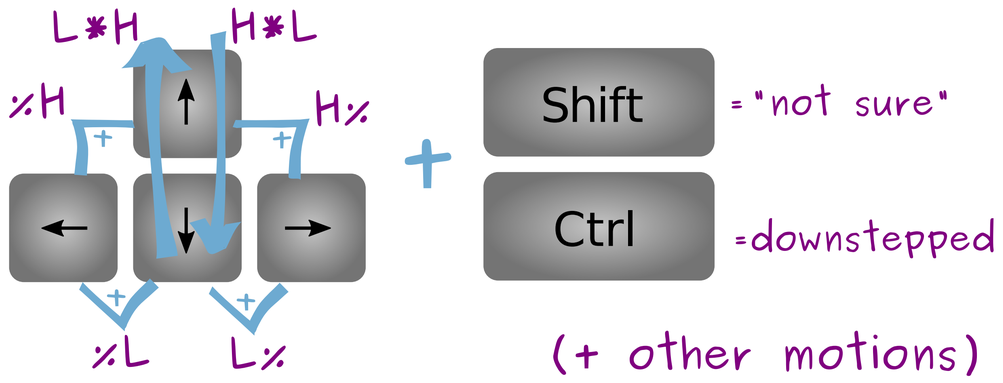
```
$ pip install toneswiper
```

Prior state of the field

- No real ToDI-transcribed datasets.
- General-purpose tools unergonomic.
- Reported transcription rates: 100-200×.
- No reliable automatic transcription yet.

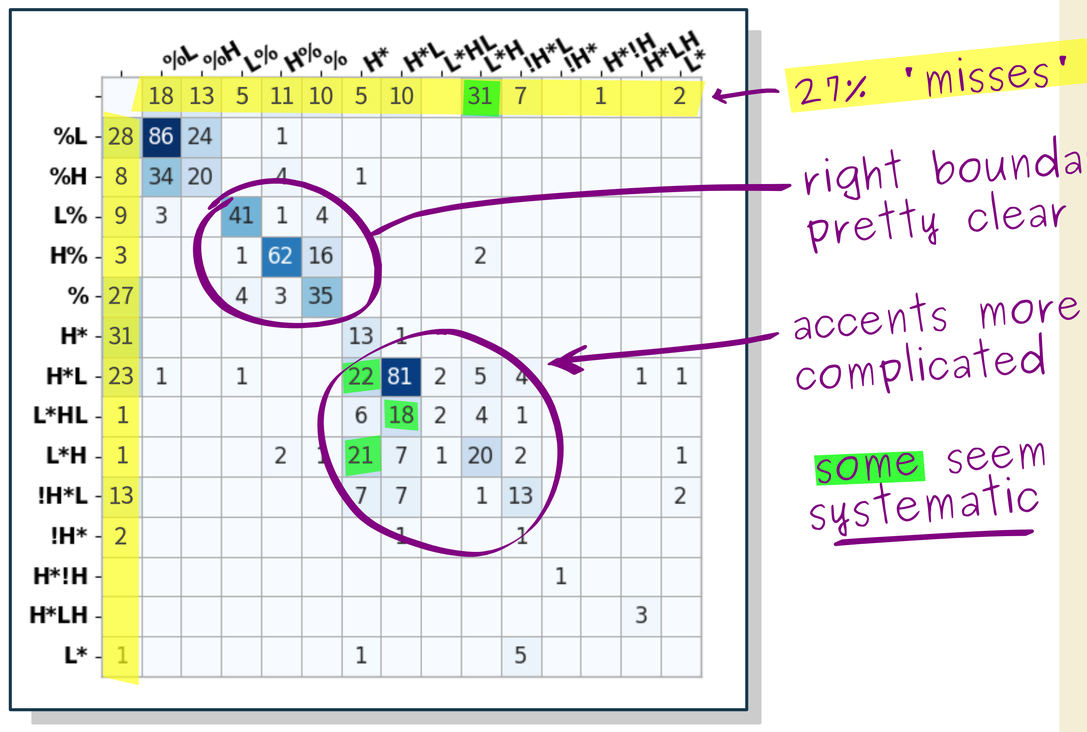


Swiping arrow keys 'in sync' with audio



Inter-rater agreement

- First: automatic alignment (heuristic).
- Confusion table:



Evaluation

- Dutch Map Task Corpus*
- We transcribed 1 dialogue
  - 4min15, transcribed in 170min = 40×
  - 800 words (190 wpm)
  - ±738 prosodic events

10 s/event

*D. R. Ladd and A. Schepman. 2003. Dutch Map Task Corpus 1999. DOI: 10.5255/UKDA-SN-4632-1

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