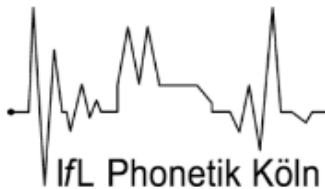


Tracking the Perceptual Effects of Backchannel Behaviour in Asperger Syndrome and Second Language Speech

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Structure

1. Background: L2 & AS
2. Production Results
3. Perception Experiment
4. Outlook

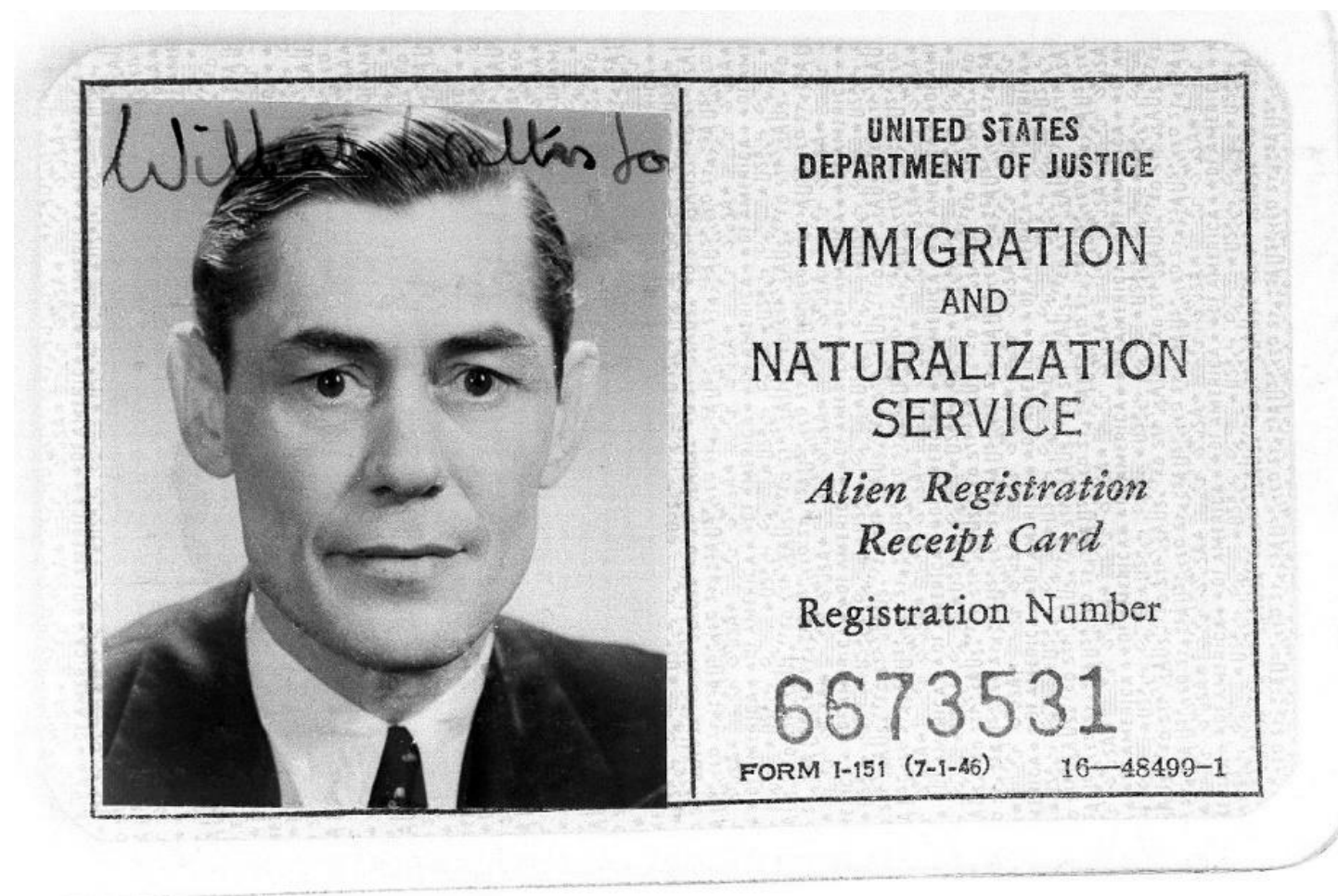
Non-Natives & Non-Neurotypicals

Through the Eyes of Aliens

A Book About Autistic People



Non-Natives & Non-Neurotypicals

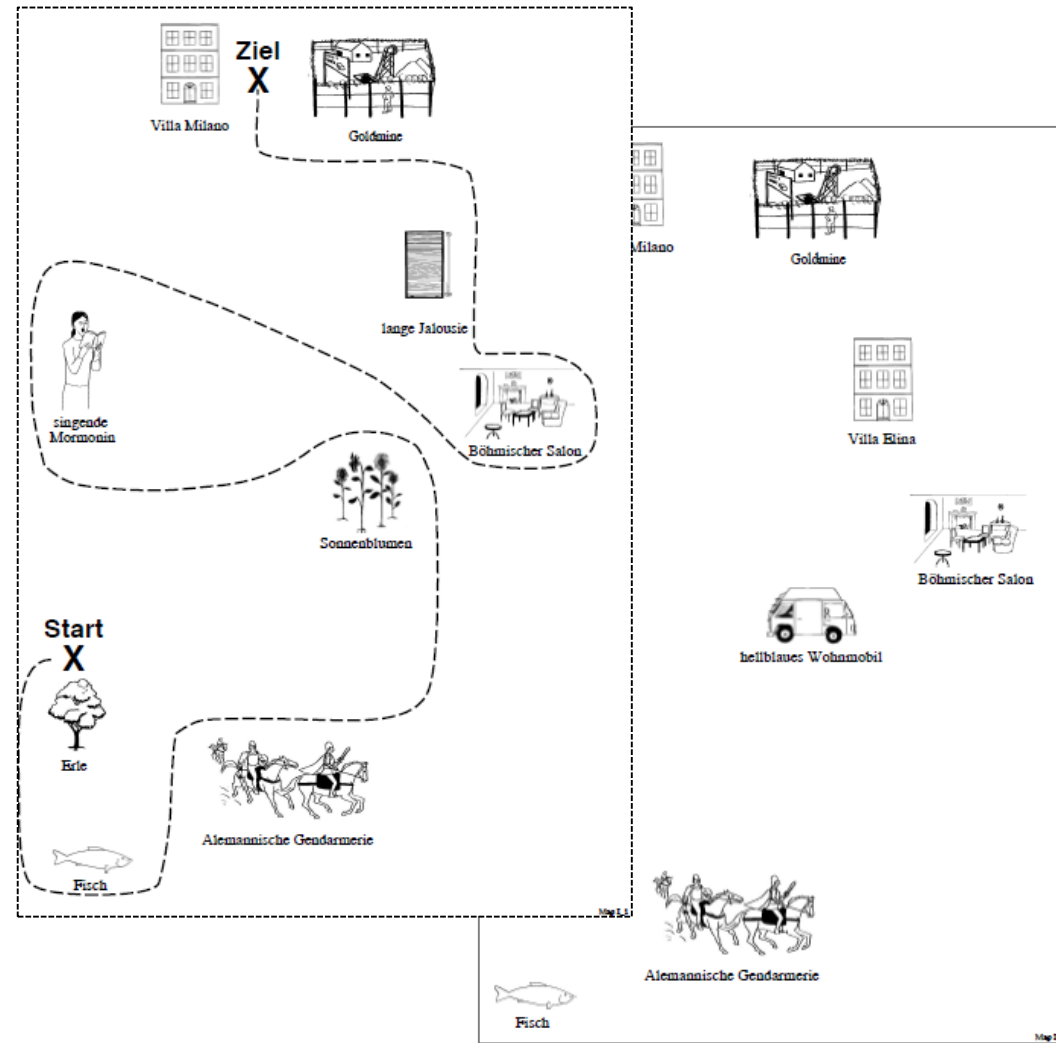


Look around

Prosodic similarities in AS & L2:

- Speech rate
- Disfluencies
- Pitch accents
- Pitch range
- Variability

This study

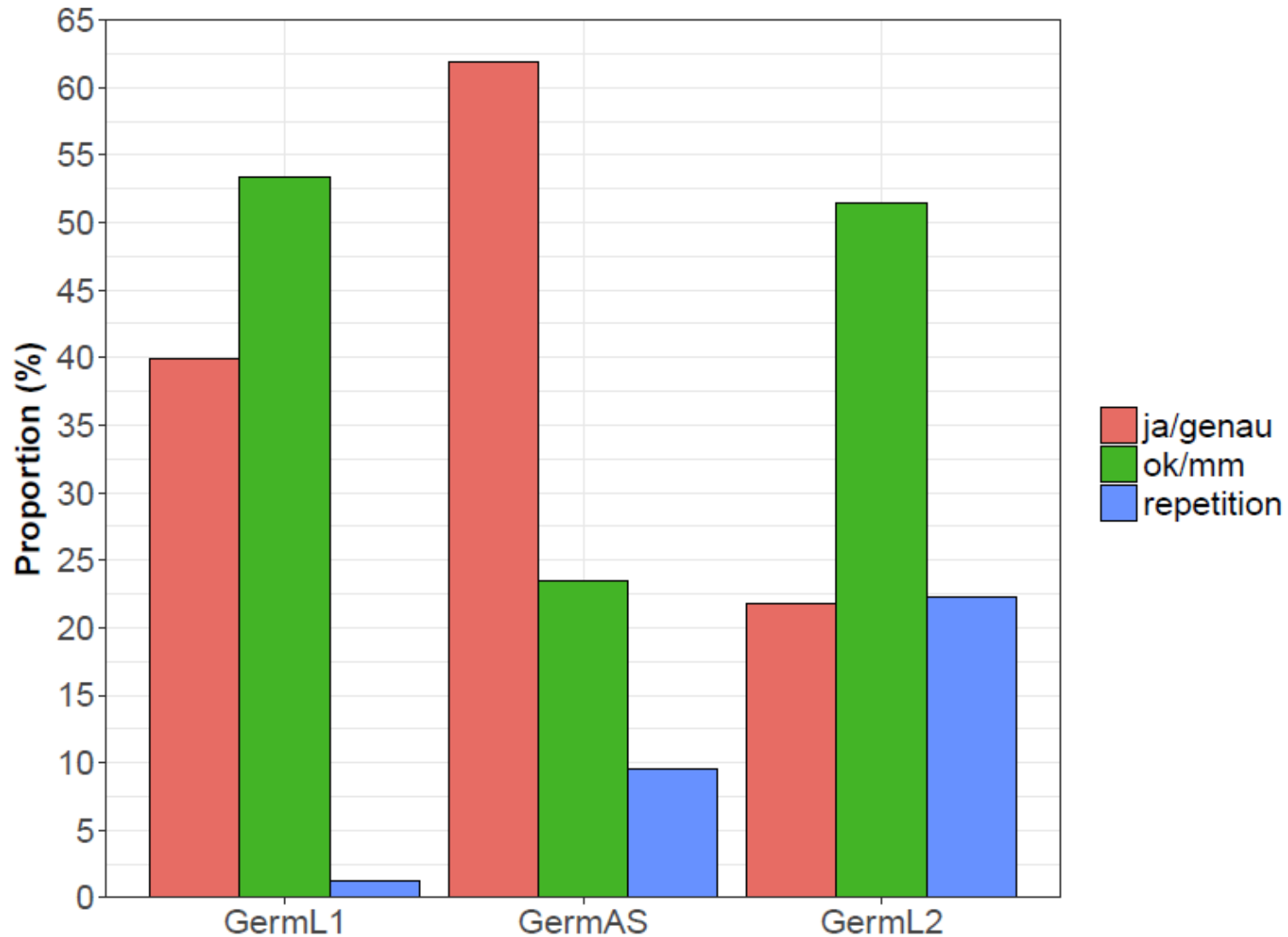


This study

Three Groups:

- Neurotypical German L1
- Asperger German L1
- Neurotypical German L2 (L1 Vietnamese)

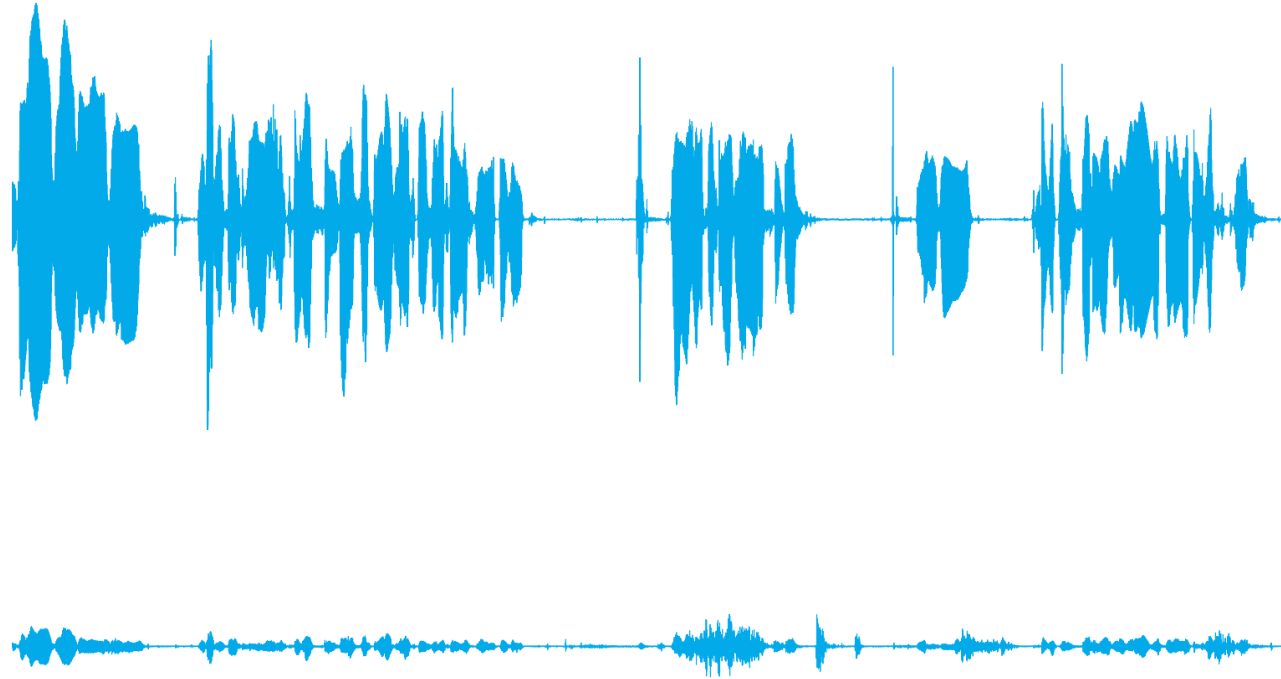
Results: lexical choice



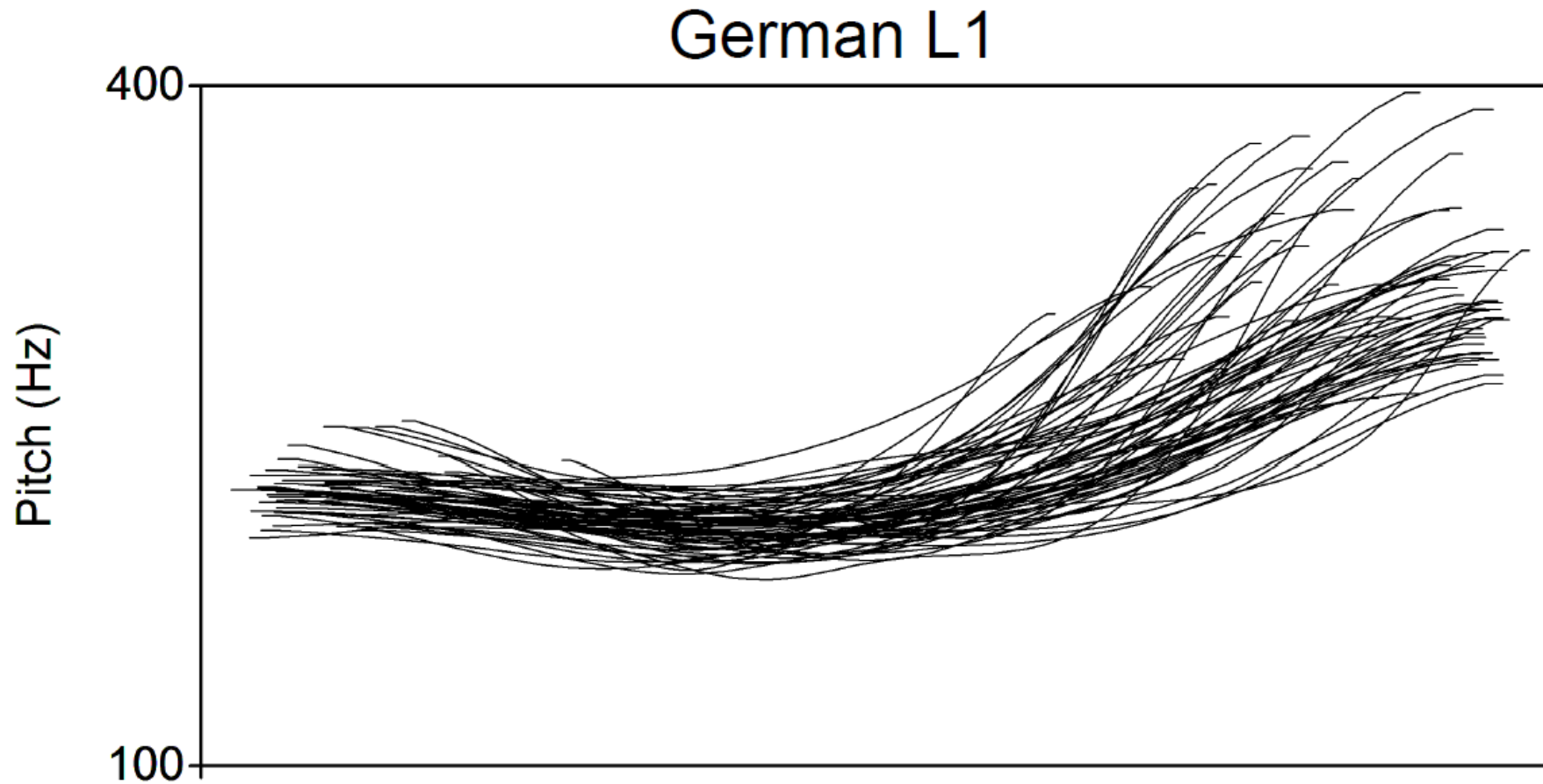
Results: amount of BCs



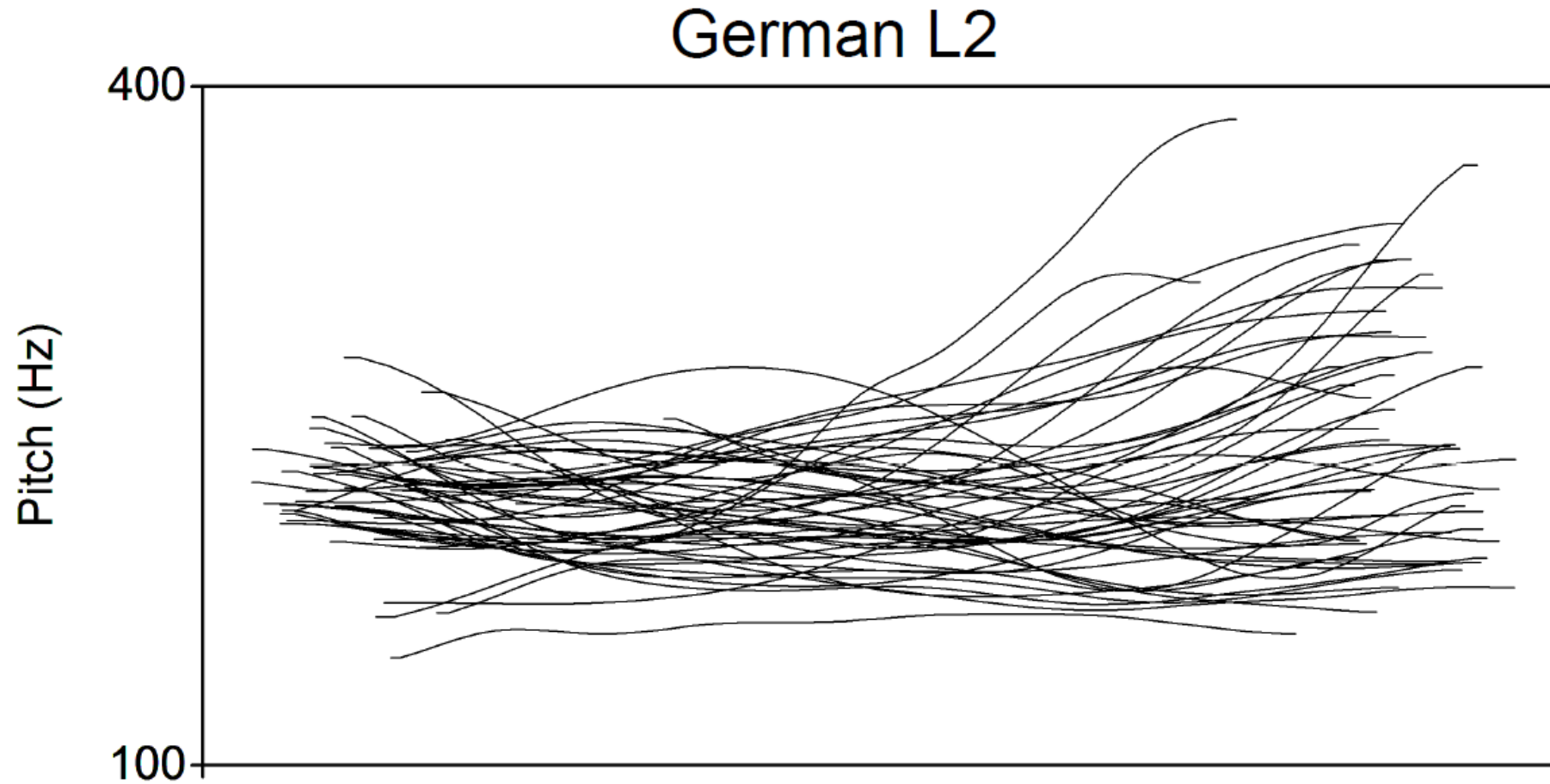
Results: amount of BCs



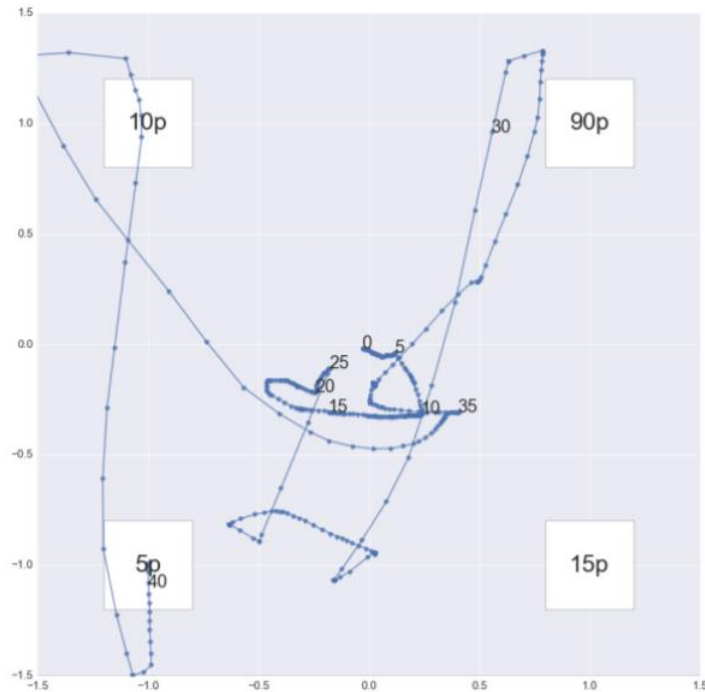
Results: „mm“ intonation



Results: „mm“ intonation



Perception experiment: Meandering Mice



Perception experiment: Meandering Mice

Contextually valid
real-time assessment
of any number of tokens
on a continuous scale

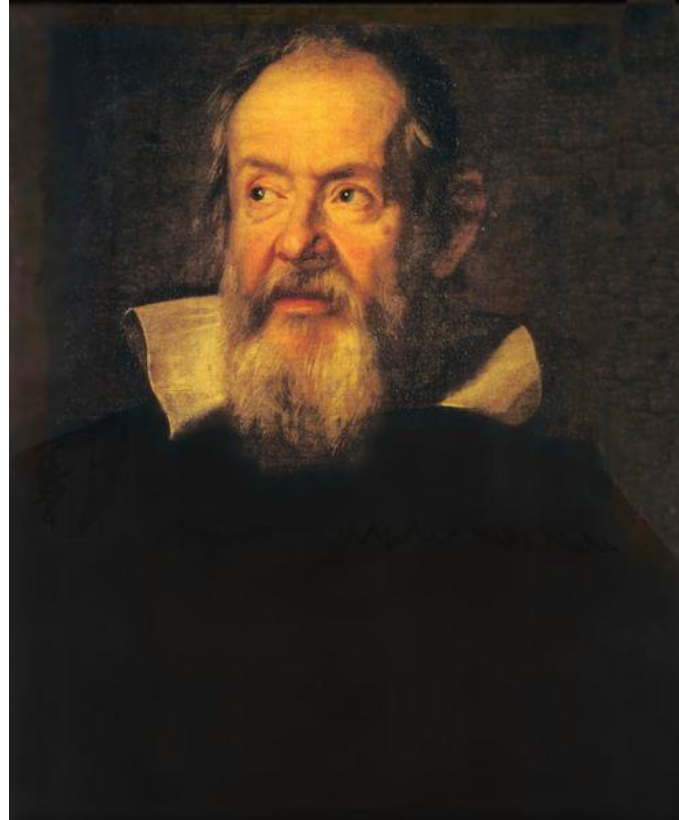
[Category_Top]



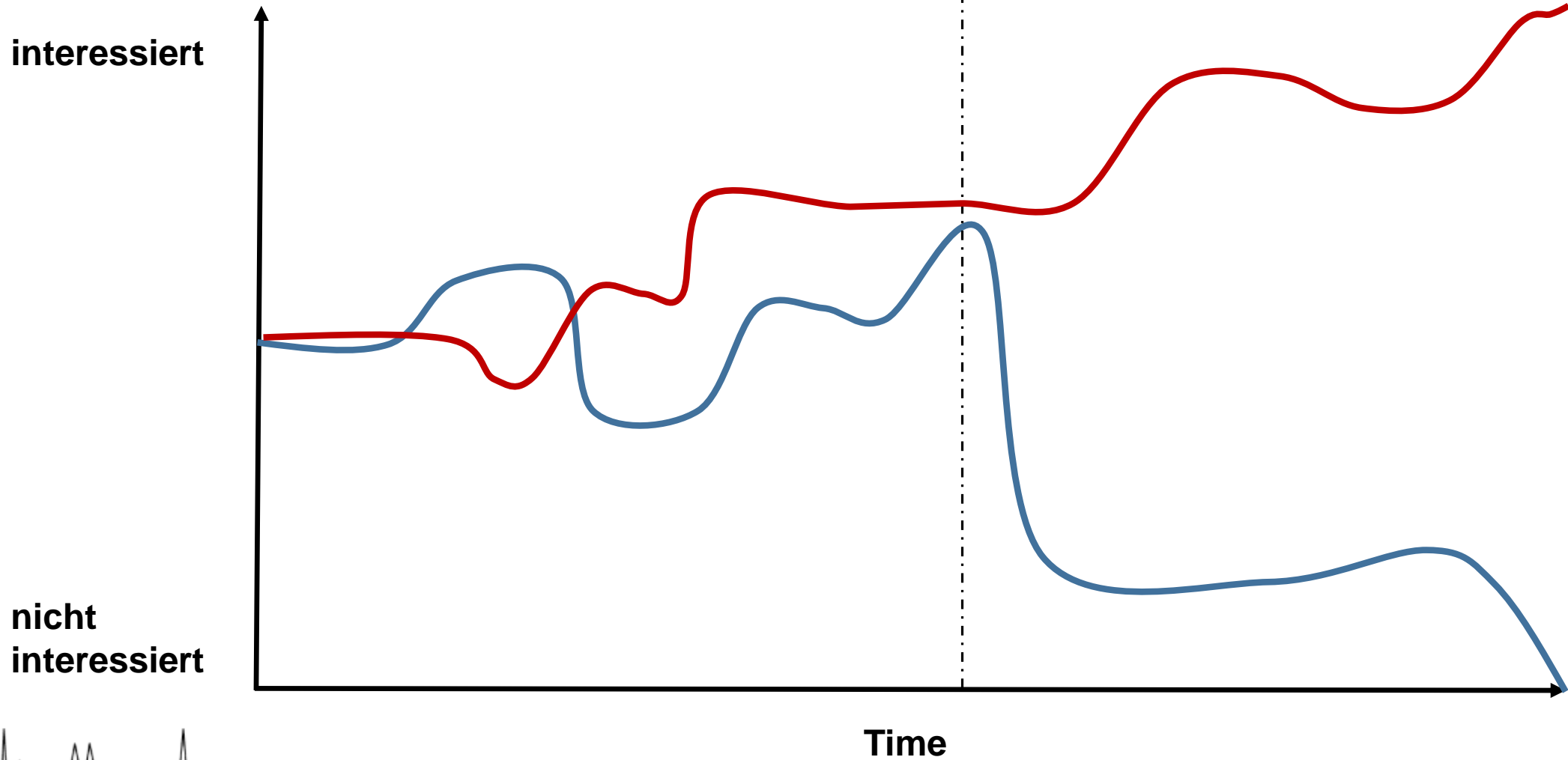
[Category_Bottom]

+

And yet will they move?



Analysis



Next steps

- Piloting
- Record more L2 and control speakers
- Finish & expand analyses:

lexical choice, intonation, overlap & periodicity, entropy, duration, fillers/hesitations,...

Acknowledgments



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Francesco Cangemi
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Anika Müller
Kieu-Phuong Ha**

Thank you
for your
attention...

...and for your comments &
questions!

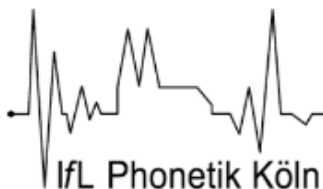
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