

N-PRG conversation analysis

Neuropragmatik WS22/23 FUB (Pulvermüller)

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1. head

the conversation is part of a 15 minutes planungsgespräch. the preliminary discussion revealed that one class intended to visit commune in the future (anschlussseminar) could be one in the section :german as foreign language: (DAF) that both participants considered relevant to their curriculum and in continuation of this classes (NPRG) program.

2. the transcript

the dialogue represents minutes 08:42 - 10:45 of the recording transcribed according to GAT2 conventions using EXMARALDA partitur editor (Wörner and Schmidt 2014) and ELAN (ELAN 2022).

2.1 basic

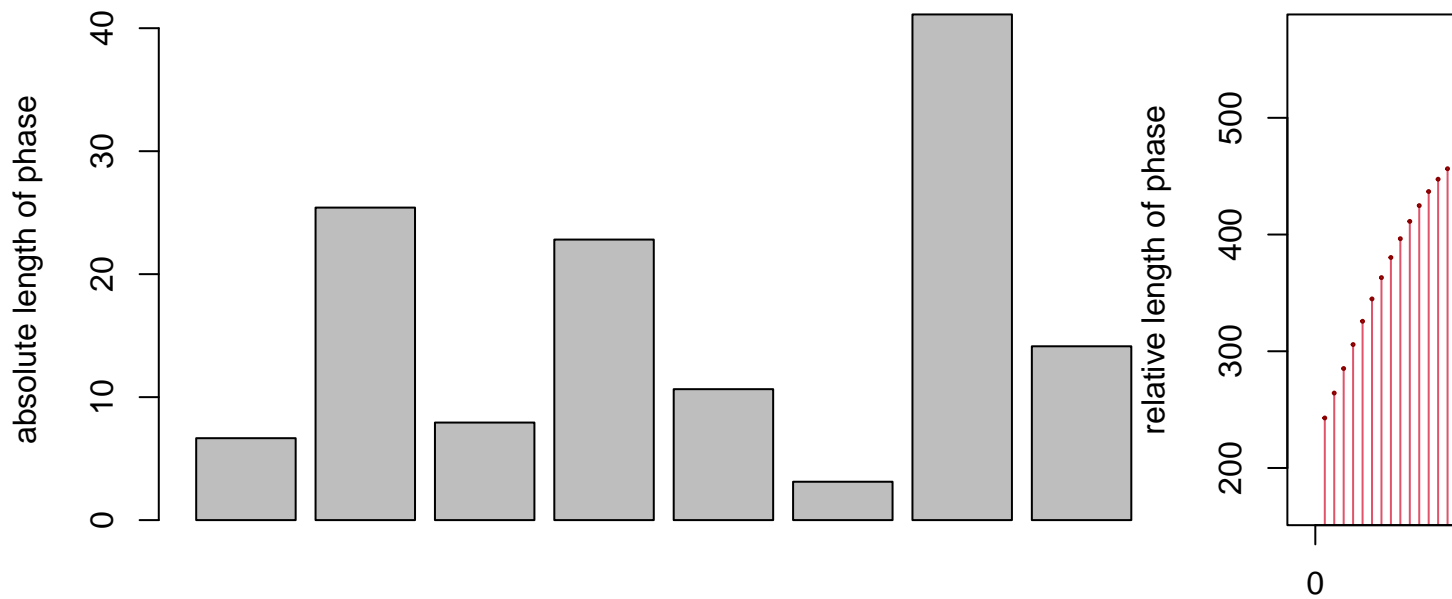
2.2 analysis

3. some visualisations & statistics

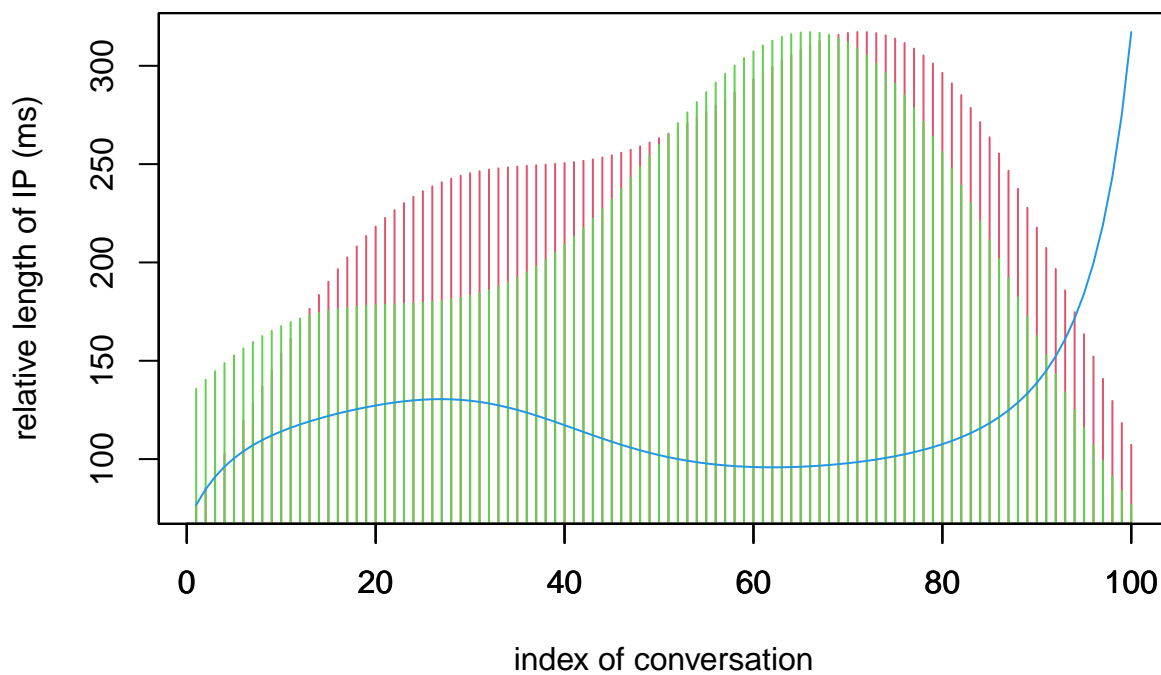
3.1 TRP

Auswertung 1. der TRP (transition relevant places) im Dialogverlauf. Diese werden hier 2. nach Fourier-Transformation der Positionen abgebildet, so dass die frequenzanalytierte (nach Fourier also relative Länge) der zwischen den TRP liegenden Dialogabschnitten sichtbar ist. 3. Die relativierte Verlaufskurve der Intonationsphrasenlänge; **rot** = SP0, **grün** = SP1, **blau** = Differenzkurve.

TRP evaluation



flow of conversation utterance length ~ dialog



Fourier transformation of data cf. “syuzhet” R-Package: (Jockers 2015)

3.2 some numbers

```
##      speechacts speech time (sec) words
## SP0          70             80  167
```

A. notes

B. REF:

ELAN. 2022. “ELAN (Version 6.4) [Computer Software].” <https://archive.mpi.nl/tla/elan>.

Jockers, Matthew L. 2015. “Revealing Sentiment and Plot Arcs with the Syuzhet Package Matthew L. Jockers.” <https://www.matthewjockers.net/2015/02/02/syuzhet/>.

Wörner, K., and T. Schmidt. 2014. “EXMARaLDA.” In *Handbook on Corpus Phonology*, 402–19. Oxford University Press. <https://exmaralda.org/de/>.

C. annex

transcript files, tables & source code: