

Practical training

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Dutch lexicon with regular and irregular verbs. Their perfect tense is either constructed with the auxiliary *hebben* ('to have') or with '*zijn*' (to be). The number of synonym sets or synsets to which the given verb belongs is also known. (The data set is available in the R package `languageR` and is called `auxiliaries`.)

The data set `ml_vow.RData` contains duration data of German vowels.

Download from here: clarin.nytud.hu/~mady, 8th seminar).

Is it true that high vowels are shorter than mid ones, and that mid ones are shorter than low ones?

Does the voicing of the neighbouring consonant (`voi`), vowel length (`quan`) and the quality of the vowel (`qual`) have an effect on the duration? Which factors are in interaction with each other?

Create boxplots before you start.

We have a data set with read sentences that contain broad, narrow and contrastive focus. The data set `accdur.RData` contains the durations of the stressed syllable of the topic and the focus. Does the focus type have an impact on the duration of the stressed syllables of the focus and the topic?

Download from here: clarin.nytud.hu/~mady, 11th seminar).

Is there a difference between male and female speakers?

Between-subjects design

The Euclidean distances for male and female speakers' vowels were calculated (this is the distance from the articulatory midpoint).
Are vowels of males more reduced than those of females?