**TO DO:**

* **Add comments to all code for part 1**
* **Update descriptions here**

**------------------------------------------------------------------------------------------------------------------------------------------**

**Folder structure**

**grids\_phrase\_corrected\_not\_FAVE\_ready** : handsegmented .TextGrid from experiment 1

**FAVE\_formatted**: folder, contains *folders* with output .TextGrid files from adapting\_toFave\_TextGrids\_formant.m

**FAVE\_formatted/FAVE\_giver:** folder, output .TextGrid for giver only.

**FAVE\_formatted/FAVE\_rcver:** folder, output .TextGrid for receiver only.

**tables\_generated\_by\_Sam** : data tables generated by Sam, downloaded from the lab’s server.

**Part 1. Formant reading**

1 - Checking for typos in segmentation and adapting .TextGrids to FAVE format:

**adapting\_toFave\_TextGrids\_formant.m** : reads .TextGrids as the result from handsegmentation, and turns them into a format expected by FAVE.

*folders*

**grids\_phrase\_corrected\_not\_FAVE\_ready**: folder, handsegmented .TextGrid from experiment 1.

**FAVE\_formatted**: folder, contains *folders* with output .TextGrid files from adapting\_toFave\_TextGrids\_formant.m

**FAVE\_formatted/FAVE\_giver:** folder, output .TextGrid for giver only.

**FAVE\_formatted/FAVE\_rcver:** folder, output .TextGrid for receiver only.

*Functions*

ST\_read\_praat\_textgrid.m

ST\_write\_praat\_textgrid.m

FAVE\_modify\_text.m

Dictionary.m

2 - Use FAVE (in command line) to read all .TextGrid files with their associated audio, and produce output files with formant and duration measurements.

Instructions for reading the text grids and audio files automatically in a batch from the command line.

Modify file names as appropriate.

# There are three folders:

- audio: contains audio files .wav

- grid: contains textgrid files .TextGrid

- output\_files: empty folder ready for output

\*\* Important \*\*

- names of files in audio and textgrid must be the SAME up to the extension.

- run in terminal with Python **2**.

grid="../textgrids/FAVE\_formatted/FAVE\_giver"

ls $grid

audio="../audio/audio\_giver"

ls $audio

mkdir output\_files\_giver

output="output\_files\_giver"

for file in $grid/\*.TextGrid ; do name=$(basename -s .TextGrid "$file") ; python bin/extractFormants.py --config=config.txt "$audio/$name.wav" "$grid/$name.TextGrid" "$output/$name.output.txt" ; done

3 – Putting the content of FAVE output files into a Matlab table.

**read\_FAVE\_results.m** : reads .txt from FAVE-extract\_Toolkit/output\_files both \*output.txt and \*output\_norm.txt. Creates a table for raw and one table for normalized readings. Tables are saved as VOW.mat and VOW\_norm.mat in d/tables/ .

* Adds and fills columns: player, role, session, day, week, team, vow\_id, to each table.
* Adds and fills column with any labels (repeated, disf, etc).

*Functions*

grid\_annotations.m: