

## Meeting Summary 10.13.22

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### Praat Script - Adding silence

- Google and see below websites
  - <https://praatscriptingtutorial.com/loopingThroughFiles>
  - <https://www.ddaidone.com/praat-scripts.html>
- Open files from directories
- Use script from a manual test
  - Read in two audio files → select both → click “combine” (bottom) → “Praat” (top left) → “Open new Praat script” → “edit” (top left) → “paste history” (bottom) → add code to include 200ms of silence before either audio starts
  - \*Should involve a loop function!

### SOA - Email Arty

- Interested in Experiment 1 from his 2016 paper
- Did he happen to test any SOAs <200ms (ideally 0ms)?
- Was there still PR for the shifted talker
- *\*If nothing comes of this, we will use an SOA of either 100ms or 200ms, and we will counterbalance whether the attended talker or unattended talker are presented first during the filler trials*

### Methods + Lists

Step 0: Write out methods, goals, plans, and terms

- E.g., Item = 10 s/sh word pairings; Materials = A set of 10 items
  - Material x Shift x Gender x Ear → 16 lists
    - Materials technically do NOT have to be counterbalanced because there are 10 unique words for S/Sh/?s/?sh in each list and the effects could average out, but it is safer to balance at this point
    - *Possibly counterbalance SOA in fillers → I don't believe this should increase the number of lists; we'll come back to this if Arty doesn't solve all our problems*
1. Code crossing for critical trials
  2. Code crossing for filler trials
    - \*\* Questions below ask Maryann (after her conference)\*\*
  3. Combine above into 1 dataframe ← May be a bitch
  4. Divide set into 80 rows (20 critical + 20 filler words + 40 filler nonwords) into 10 blocks
    - a. Possibly assign each item to a 1-10 vector, and then use modulo ( $X \% 10$ ) == the remainder of  $X/10$  → can be used to assign the correct block number to every row (e.g.,  $32 \% 10 = 2$ ,  $57 \% 10 = 7$ , etc.)
    - b. Should have 8 files in each of the 10 blocks
      - i. 1 S 1 W 1 N 1 N ← L/R
      - ii. 1 Sh 1 W 1 N 1 N ← R/L
  5. Make latin square design
  6. Group map → cut into 1600 lists with 8 files each