0.1 Analysis plan

Note to self: some analyses below rely on within-participant averages [A], within-participant sums [S] or other measures [O].

- [O] Performance in the two alternative forced-choice test. To be compared across segmentation conditions.
- [S] Number of items produced. To be compared across segmentation conditions, and against zero.
- [A] Average length of items produced. To be compared across segmentation conditions.
- [S,A] Number and proportion (among productions) of words (and concatenations thereof)
- [S,A] Number and proportion (among productions) of part-words (and concatenations thereof)
- [A] Average forward TP in items
  - Compare across segmentation conditions
  - Compare to expected TPs for correctly reproduced items. The expected TPs for items of at least 2 syllables starting on an initial syllable are c(1, 1/3, 1, 1, 1/3, 1, 1, 1/3, ...). The difference between the actual and the expected TP needs to be compared to zero, as the expected TP differs across items.
  - Compare to expected TPs for a random string. The expected TPs for a random concatenation are the TPs in a random bigram. For an A or a B syllable, the random TP is 1×1 / 12, as there is only 1 (out of 12) non-zero TP continuations. For a C syllable, the random TP is $3 \times 1/3$ / 12, as there are 3 possible concatenations. On average, the random TP is thus $(1/12 + 1/12 + 1/12)/3 = 1/12 \approx .083$.
- [A] Average backward TP in items
- [A] Proportion of items with syllables in correct postions
  a. Items with correct initial syllables
  b. Items with correct final syllables
  c. Add disjunction?
  d. Ignore is_class_word based analyses
- [O] Proportion of
  a. Words among Words and Part-Words (or multiples thereof); this can be compared to the two-alternative forced choice test
  b. high-TP chunks among high and low-TP chunks