

- 1) Record yourself saying the words “pat”, “tat”, and “cat” at least 5 times in two different carrier sentences:  
“\_\_\_\_\_ is the word”  
“The word is \_\_\_\_\_”

Analyze the VOT of these target words in Praat and put your data in a table and read it into R as a csv file. Examine the means for each place of articulation category.

- a. Give the means and standard deviations of each POA (according to sentence position). (Look up how to display summary stats by group in the tidyverse using the `group_by()` function)
  - b. Can you make any conclusions regarding VOT and place of articulation?
  - c. Can you make any conclusions regarding VOT and sentence position (initial or final)?
  - d. Can you plot the results of the VOT measurements as a boxplot in R?
- 2) Record yourself saying hVd words in the carrier sentence “Say the word \_\_\_\_\_ again”, with  $V = \{i, u, o, a, \text{æ}, \text{schwa}\}$ . Produce at least 5 tokens of each vowel and measure their F1 and F2 taken at the midpoint. Produce a vowel quadrilateral like the one we did in class.