

**Lab Assignment #01****Using Praat / Consonants of English**

Due M Aug 25 at 2:30pm on Canvas ([Assignments](#))

20 points total

**Lab session:** Class on F Aug 22 is a lab session for this assignment. You will have an opportunity to collaborate with classmates, get help with Praat, or ask questions about the assignment.

**Purpose**

This assignment:

- Guides you in installing and using the Praat speech-analysis software
- Provides an opportunity to practice with the consonant sounds of English and their IPA symbols

**Task**

A. Prepare to complete the lab assignment

Links to all of the materials and resources listed here are provided on the "[Lab assignments](#)" page on the course web site.

- **Read** Praat handouts #1–4, linked from the "[Lab assignments](#)" page
- **Download** the Praat software from <https://www.praat.org> and **install** Praat on your computer, as explained in Praat handout #1 and on the `praat.org` download pages
  - There are many options, including Windows, Mac, Linux, and Chromebook (Unix)
  - Please let me know ASAP if none of the available options work for you
- **Download** the following files from the "[Lab assignments](#)" page and **save them on your computer** so that you can open them with Praat. You will probably need to right-click on the link and choose "*Download as...*", "*Save as...*", "*Save link as...*", or something similar.  
[lab01\_words.wav]  
[lab01\_words.TextGrid]
- Open Praat, load the [lab01\_words.wav] and [lab01\_words.TextGrid] files into the Objects window, and then highlight both files and click on the View & Edit button in the right-side menu to **open a TextGrid window** (see Praat handouts #2–4 for help)
- In the TextGrid window, you should see a sound file with a TextGrid that labels a series of words from 1 to 11 — **if you can see this, you are ready to start the lab assignment**

B. Answer questions (1)–(3) directly in the Canvas “Lab #01” assignment

- Go to Canvas [Assignments](#), “Lab 01 | Using Praat / Consonants of English”
- Reminder: Use Praat handouts #2–4 to help you navigate in Praat, open sound files and TextGrids, play sounds, and take a screenshot

(1) Use the TextGrid to listen to each labeled section of the sound file. Which **number** on the TextGrid corresponds to each of the following English words? *Type the number in the response box in Canvas.* (5 points)

bagel	furnace	match	squish
diving	houses	pocket	youth
either	lodge	rouge	

(2) For each of the following consonants, give the number of **one** word that contains the consonant. (There may be more than one correct answer, but just give one.) *Type the number in the response box in Canvas.* (10 points)

[p]	[f]	[ʃ]	[n]
[t]	[v]	[ʒ]	[ŋ]
[k]	[θ]	[h]	[l]
[b]	[ð]	[tʃ]	[ɹ]
[d]	[s]	[dʒ]	[w]
[g]	[z]	[m]	[j]

(3) Submit a file containing a **screenshot** of part of this TextGrid, as follows. (5 points)

- Find a word that contains the consonant [ʃ].
- Use the TextGrid interval and the `sel` button to zoom in so that **this whole word, but only this word**, is showing in the TextGrid window. (See Praat handouts #3 and #4 for help.)
- Click and drag your mouse to highlight the area of the sound file that specifically corresponds to the [ʃ] sound. You can figure this out by selecting and listening to pieces of the word until you figure out where the [ʃ] portion is. (Don’t click the `sel` button this time; keep the whole word showing in the TextGrid window.)
- With the [ʃ] highlighted, take a screenshot of your Praat TextGrid window, paste it into your word processor or graphics program, and save it as a file **in .pdf format**. Then upload your file where indicated in the Canvas Lab #01 assignment. (Please remember to include your name on your document.)

### Criteria for success

This lab assignment is worth a total of 20 points, as distributed above. Points will be awarded for accuracy, and partial credit will be given where appropriate.