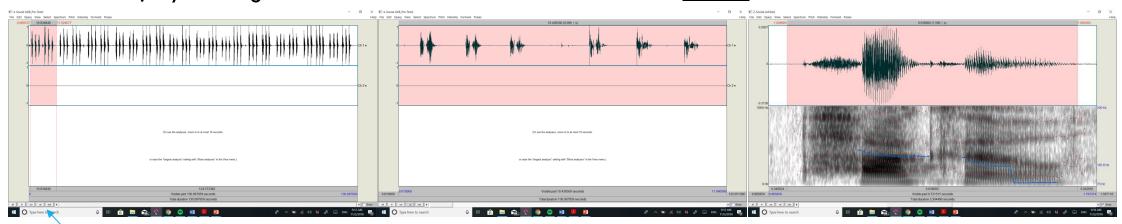
Speech Visualization via Visual Feedback: Pronunciation and Dialectology Teaching

Heather M. Offerman & Louis Gehrke

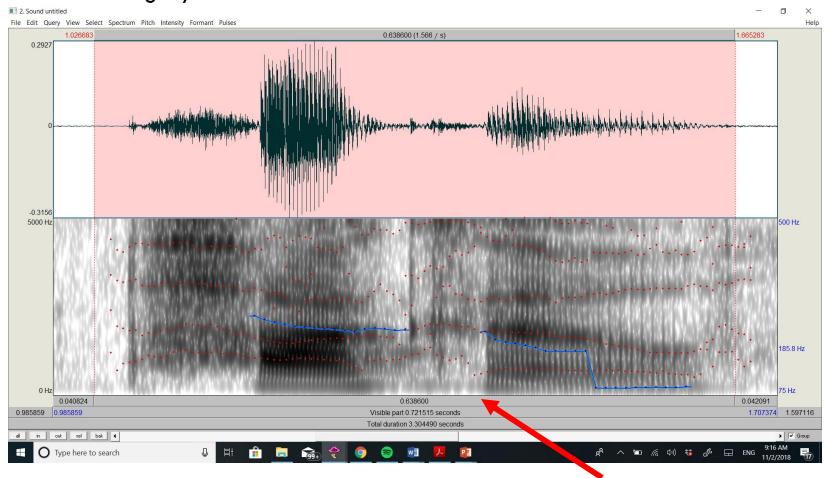
VISUAL FEEDBACK FOR PRONUNCIATION

- 1. To open Praat: Open Praat on your computer tablet
- 2. The window on the left that says "Praat Objects", click "Open"
- 3. Choose the first option "Read from file"
- 4. Find the .wav file you saved for "Di____de nuevo", select it, then click "Open"
- 5. Once it is on your list, click on your file and click
- "View & Edit" on the right hand side
- 6. Once you, have done this, select the first 3 sentences that start with "Di____ de nuevo" (you can do this by dragging your cursor, then hitting "sel" at the bottom of the window; to go back click "out")
- 7. Now, try finding the first word "Paco" within the first "Di_____ de nuevo"



VISUAL FEEDBACK FOR PRONUNCIATION

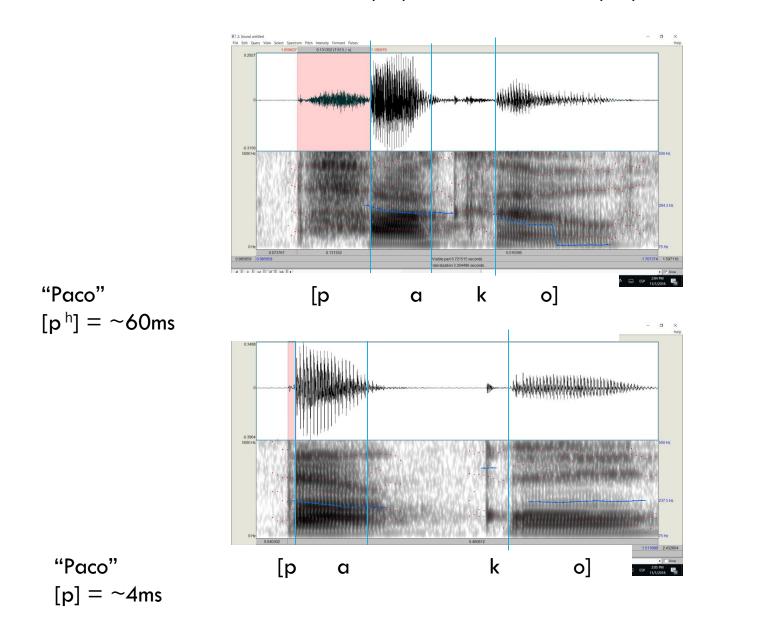
1. To play the sound so that you can hear where your word is drag and select a section (in pink) and click the first gray bar at the bottom



English and Spanish

Visual Feedback

WHERE IS THE "P" /P/ AND THE "A" /A/ FOR BOTH?



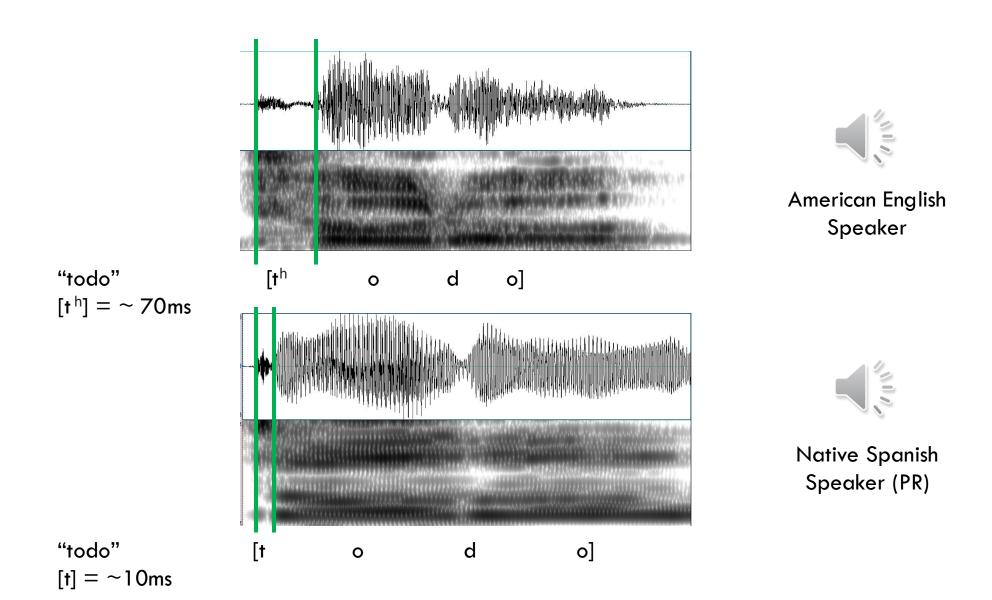


American English Speaker

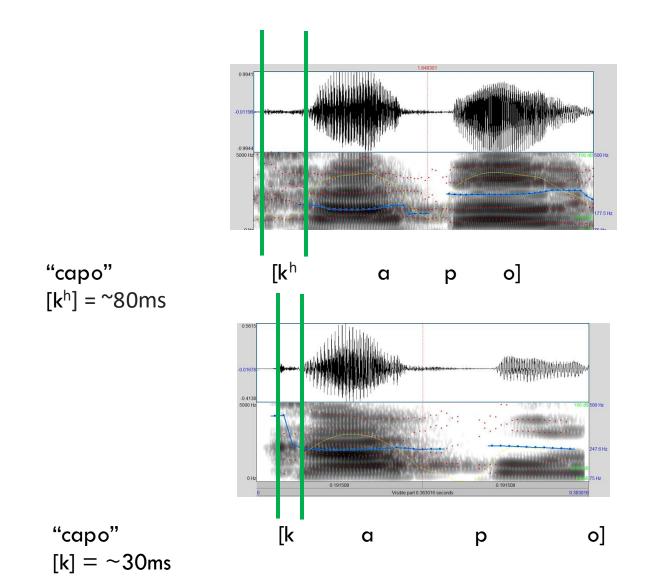


Native Spanish Speaker (PR)

WHERE IS THE "T" /T/ AND THE "O" /O/ FOR BOTH?



WHERE IS THE "C" /K/ AND THE "A" /A/ FOR BOTH?





American English
Speaker

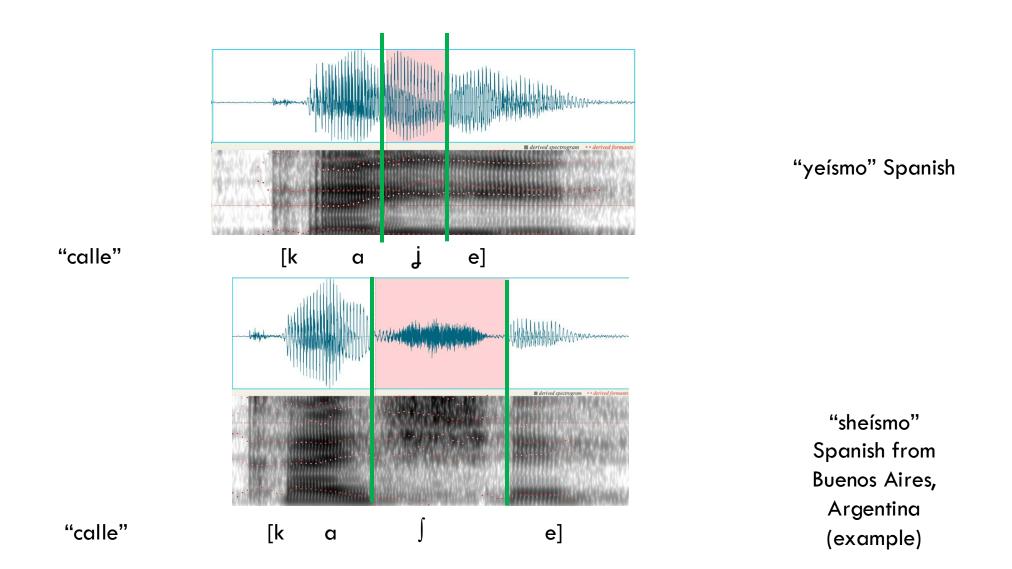


Native Spanish Speaker (PR)

Spanish Dialectal Variation

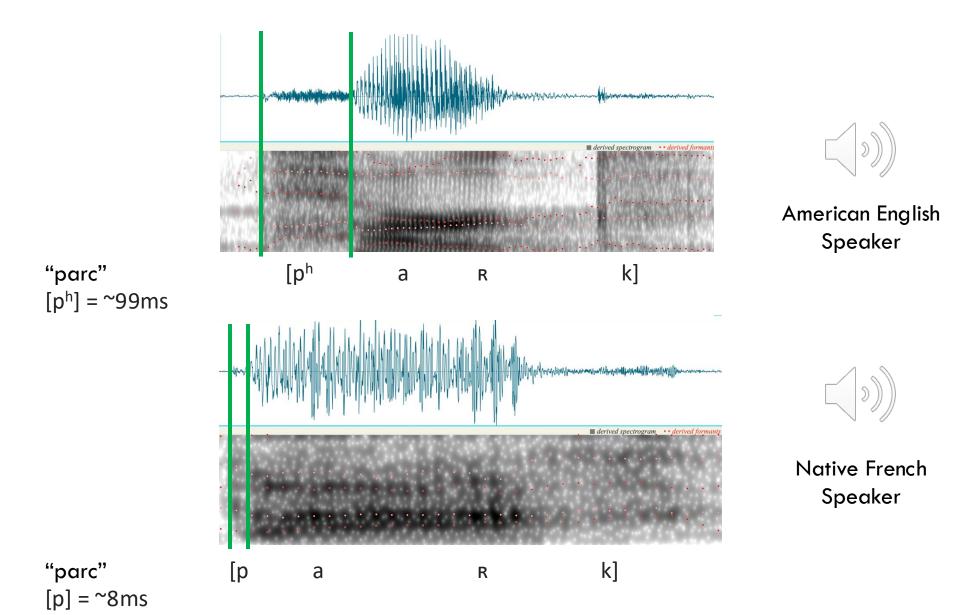
Visual Feedback

/j/ ("Y" SOUND) VS. /∫/ ("SH" SOUND) IN THE SPANISH WORD "CALLE"



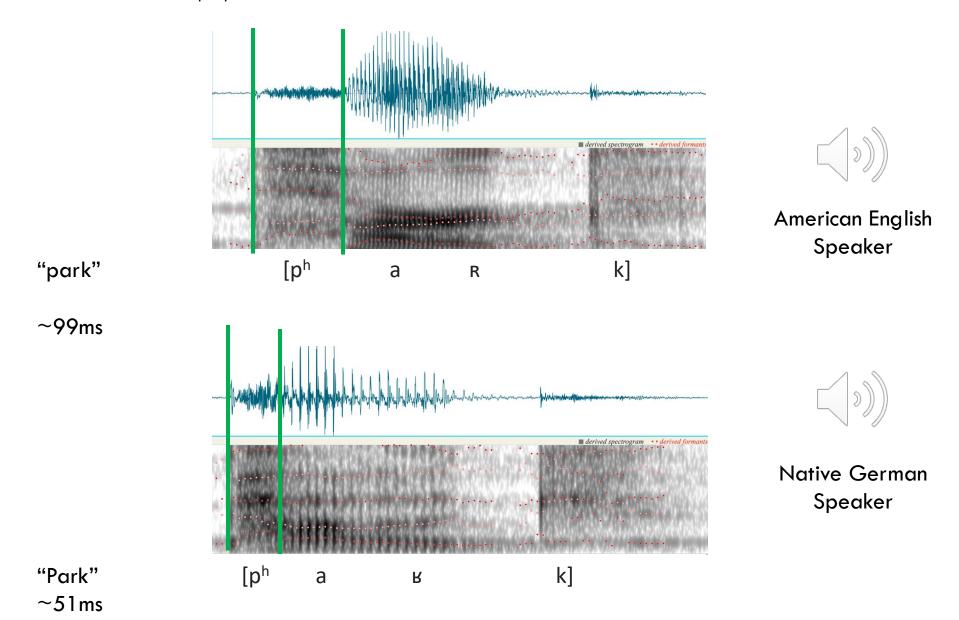
French Visual Feedback

WHERE IS THE "P" /P/ FOR BOTH?



German Visual Feedback

WHERE IS THE "P" /P/ FOR BOTH?



Mandarin Visual Feedback

WHERE IS THE "P" /P/ FOR BOTH?

