

Your goal is to give a 10–15-minute presentation on the phonetics of the language you've been working on for your final project. Your presentation should satisfy the following requirements:

- a handout, poster, computer presentation, or some other (audio-)visual component that complements, summarizes, and/or outlines your overall presentation, containing actual measurements, spectrograms, plots, etc.; you should hand in some version of this component to be graded (a copy of the handout, a printout of the computer presentation, burned CD of audio files, etc.)
- a brief, introductory overview of the basic facts about your language and your native speaker consultant, condensed from Labs #1, #4, and #5, lasting no more than about 5 minutes
- a thorough description and phonetic analysis of some well-defined, non-trivial set of sounds in your language (e.g., voiceless fricatives, retroflex sounds, front rounded vowels, tone, nasal vowels); you should not only give a full analysis of the sounds as individuals, but where reasonable, also how they relate to the larger sound system of the language as a whole; if possible, try to focus primarily on sounds not found in English; this can be based on work in Labs #4 and #5, but it should build upon, deepen, and improve that original work, not just be a direct copy of it

E-mail me as soon as possible with some ideas your group would like to explore so that I can help you refine your ideas into something interesting and manageable.

You will be randomly assigned a presentation day (either Monday the 11th or Thursday the 14th), but if you and another group are both willing to switch, you may do so at your leisure, just be sure to inform me.

Be creative, and feel free to bring in any outside knowledge or skills to enhance your project. For example, if you are adept at statistical analysis, you could do more rigorous analysis of results beyond the simple standard error method we've been using in class (such as variance, outliers, statistical significance, correlation, etc.).

Your group's grade on this lab will be determined by your thoroughness, accuracy, coherence, analysis, ingenuity, and overall quality of presentation. **Note:** you are not concerned with the writing system or the grammar! Do not spend any space discussing them, except where they are directly related to the phonetics (which is almost never!).

The official write-up for your final project should be a coherent, fully-formed report that synthesizes Labs #1, #4, #5, and #6. There is no strict page limit, but a typical final project will be about 10 pages long (a few pages more or less is fine), depending on how extensive and detailed your analysis is, and especially how many graphics you include.

Your report should be structured as follows:

1. about 1–2 pages of basic introductory material about your language and native speaker
2. about 3–5 pages giving an overview of the phonemic sound system in your language (consonants, vowels, tone), using standard consonant and vowel charts, and listing example words (in IPA, with English translations) for every phoneme—(near-)minimal pairs/triplets/etc., if you can find them; include a  $F2 \times F1$  plot of the vowel system
3. about 3–5 pages detailing and expanding upon the phonetic analysis in your presentation for Lab #6 (or some other similarly rigorous phonetic analysis); you should fully describe your methodology for making measurements (e.g., “for each vowel, average formant values were calculated over a 20 msec portion from the center of the vowel” or “closure duration was measured from the last glottal pulse in the preceding vowel to the beginning of the release burst of the stop”)
4. an appendix containing your raw numerical data; this can just be a printout from a spreadsheet, but the meanings of the numbers should be obvious on the page (headers or brief prose explaining what is being measured, units used, etc.)
5. a bibliographic list of all academic sources you consulted, in some consistent, standard format
6. a burned CD containing uncompressed audio files of all data used for the write-up

As with Lab #6, be creative, and feel free to bring in any outside knowledge or skills to enhance your project. Your group’s grade on the project will be determined by your thoroughness, accuracy, coherence, analysis, ingenuity, and overall quality of the write-up.