

The University of Rochester's
Department of Linguistics
presents a workshop on

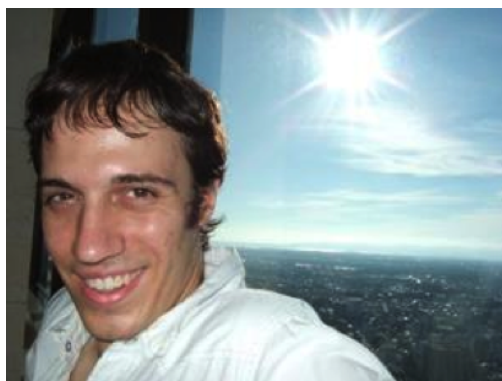


*“PraatR: An architecture for controlling
the phonetics software ‘Praat’ with the R programming language”*

Aaron Albin
Indiana University - Bloomington

Friday, Nov. 14th, 9-11 AM
(Lattimore Hall 513)

*Please RVSP by Wednesday, Nov. 12th;
Light refreshments, social and setup starting at 8:30am*



An increasing number of researchers are using the R programming language (<http://www.r-project.org/>) for the visualization and statistical modeling of phonetic data. However, R's capabilities for analyzing soundfiles and extracting acoustic measurements are still limited compared to free-standing phonetics software such as Praat (<http://www.fon.hum.uva.nl/praat/>). As such, it is typical to extract the acoustic measurements in Praat, export the data to a textfile, and then import this file into R for analysis. This process of manually shuttling data from one program to the other slows down and complicates the analysis workflow.

This workshop will feature an R package ('PraatR') designed to overcome this inefficiency. Its core R function sends a shell command to the operating system that invokes the command-line form of Praat with an associated Praat script. This script imports a file, applies a Praat command to it, and then either brings the output directly into R or exports the output as a textfile. Since all arguments are passed from R to Praat, the full functionality of the original Praat command is available inside R, making it possible to conduct the entire analysis within a single environment. Moreover, with the combined power of these two programs, many new analyses become possible. Further information on PraatR can be found at <http://www.aaronalbin.com/praatr/>.

At this workshop, the creator of PraatR will first present a conceptual overview of the package, followed by several hands-on exercises on participants' laptop computers illustrating its range of functionality. At the end of the workshop, the presenter will be available for brief consultations about how PraatR can help you in your own research.

Attendance is limited to 20 participants on a first-come-first-served basis. If you are interested in coming to the workshop, please send an e-mail stating so to Wil Rankinen at wrankine@ur.rochester.edu.