Using Computers in Linguistics

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Office hours  TR 2-3  
Class time and place  F 3:00-3:50, Tucker 131

Computers are used in linguistics for building connections between people, for organizing data, for publishing, for bibliographic research, for basic reference information, for studying meaning and use, and for editing and measuring sounds. Within computational linguistics, they are used for natural language processing, information retrieval, speech recognition, and machine translation. This one-credit course introduces students to basic uses of computers in language-related research. Because it’s small and has students with different backgrounds, we’ll work together to develop a list of desired skills and share our results each week.

Prerequisites

None

Requirements

Homework  80%  (The cumulative grade may be lowered with noticeably poor attendance.)  
Project  20%

Topics

Research: Linguistics and Language Behavior Abstracts (LLBA), JSTOR, WorldCat ...  
Becoming a part of a larger community: The Linguist List  
Working with fonts, creating PDFs  
Making a web page  
Scanning and editing images  
Organizing data  
Using a concordancer  
Using a glosser: Shoebox  
Making digital recordings  
Editing digital recordings  
Measuring sounds  
Studying acquisition data: CHILDES  
Editing texts for electronic use  
Presenting data: PowerPoint