Proposal: A repository for phonological software

Connor Mayer

The proliferation of phonological software

Phonologists have written a lot of great software tools for doing phonological analyses, modeling phonological learning, etc.

- A wide range of theoretical and methodological approaches are represented

There's so much software out there that it's hard to stay on top of what's available!

A "one-stop shop" for phonological software

Hossep Dolatian suggested to me that it would be nice to make a "one-stop shop" for phonological software and publicize it at this workshop.

I think we should make this happen!

Repository structure

There's a similar sort of repository for NLP results:
https://github.com/sebastianruder/NLP-progress

Let's leave the slides and take a quick look at this.

I think this is a good model (minus so much emphasis on 'progress')

Structure of the repository

Software could be categorized along a number of dimensions:

- Theoretical assumptions
- Goal (learning, validation, visualization, etc.)
- Programming language

I don't think there's a single right way to do this.

- Some kind of (automated?) cross-indexation is probably best

A humble beginning

I've created a repository and selfishly populated it with a bunch of projects I've worked on

https://github.com/connormayer/phonological_software

Let's make it better!

How all of you can contribute (right now)

- Suggest how we might best organize the repository

- Come up with a clever name

- Other considerations?

How all of you can contribute (after AMP)

Suggest additional resources to add!

- I've written up instructions for how to propose changes on GitHub
- If you're not comfortable with GitHub, you can also just email me

Raise awareness!

- The more phonologists know about this repository, the more populated and useful it will be.