**Automating the Linguistic Annotated Bibliography (LAB)**

Ari L. Cunningham, B.S., Missouri State University

Erin M. Buchanan, Ph.D., Harrisburg University of Science and Technology

EBuchanan@HarrisburgU.edu, [arielle924@live.missouristate.edu](mailto:arielle924@live.missouristate.edu)

**Short abstract:** Stuff.

**Full abstract:**

**Problem:**

Focus on why validated data is important

Society used to have them all in one place

Now they don’t sad face ☹ - makes it harder to find them because even if you are a member it’s still spread across all the journals for the society and totally ignores all the ones that aren’t part the society journals

Recent trends show tons of publications

With new publications becoming available at this rate, it can be difficult for researchers to sort through them and find the resources most relevant to them. The LAB is a tool to help researchers search the vast number of databases for linguistic and psycholinguistic data. However, the first edition of the LAB depended on manual search to bring in new publications. At the rate of publication in this area, a more efficient solution would be to automate the search for relevant resources to include in the LAB.

**Procedure:**

The goal of LAB 2.0 is to both to automate the search for new publications and to add the element of crowdsourcing. We will use Python to create a script that searches relevant journals and databases for abstracts containing key words and phrases. The training data to create the algorithm will consist of abstracts currently existing in the LAB (for the “accept” data) as well as articles from the same time period that are not relevant (for the “reject” data). After developing the algorithm, we will test it using abstracts from articles published after the original LAB was developed. We will hand code the abstracts to compare our results with those from the algorithm.

To incorporate crowdsourcing features, we plan to allow others in the linguistic research community to provide feedback about the publications selected for the LAB: feedback such as how useful or accessible a resource is. We will program these features into the updated Shiny app.

**Conclusions:**

Crowdsourcing + automation = win

**Mailing address:**

?

**Submission type:** Poster

Submission Info

* Applicants must submit a sponsored Psychonomic Society abstract AND an online application for the Graduate Travel Award by April 22.
* Applications must include:
  + Research summary (1,000 words + figure + references) that includes how the research fits into the “big picture.”
  + Summary must be written by the applicant.
  + A letter of support from a sponsor -- who must be a Fellow (who has paid 2019 dues) or Emeritus Fellow -- even if the sponsor is an author on the poster.

**Deadline**

The deadline is **April 22, 2019**. Please submit nominations for consideration by the Program Committee so awardees can plan to attend and be recognized during the Business Meeting at the 2019 Annual Meeting of the Psychonomic Society in Montréal, Québec, Canada.