

Utah State University

DigitalCommons@USU

Funded Research Records

6-17-2020

Perceptual training for improved intelligibility of dysarthric speech

Stephanie A. Borrie

Utah State University, stephanie.borrie@usu.edu

Follow this and additional works at: https://digitalcommons.usu.edu/funded_research_data



Part of the [Education Commons](#)

Recommended Citation

Borrie, S. A. (2020). Perceptual training for improved intelligibility of dysarthric speech. Utah State University. <https://doi.org/10.26078/KESJ-RW80>

This Grant Record is brought to you for free and open access by DigitalCommons@USU. It has been accepted for inclusion in Funded Research Records by an authorized administrator of DigitalCommons@USU. For more information, please contact digitalcommons@usu.edu.



DATA SHARING PLAN

Sharing of data generated by this project is an essential part of our proposed activities and will be carried out through different means. There are two types of data sharing: sharing research data among the participating institutions and sharing research results with the academic and clinical community.

For Collaboration Between FSU and USU

The current proposal will involve the collection of behavioral data from human subjects. The behavioral data will primarily consist of numerical data representing percent correct intelligibility and will be maintained in excel worksheets. All generated data will be maintained in a minimum of three locations: the local workstation used in programming the perceptual learning experiments, an encrypted external hard drive, and Box.com. Box.com will be used to share the data among the researchers at USU and at FSU. Box.com is a cloud storage system. Files are backed up nightly at multiple sites. Box.com ensures data integrity, includes version control, and is password controlled, encrypted and HIPAA compliant. It is expected that no more than one terabyte of stimuli and data will be created as a result of this project.

Sharing data with the academic and clinical community

The behavioral data supporting publications will be available for public access via Open IPCSR. All data stored for public access will be de-identified. Any HIPAA-protected information will be maintained and shared according to approved university IRB protocols. At the completion of the project all data will be submitted to the ICPSR Repository for long term archiving and preservation. De-identified behavioral data will be accessible as described above. Speech data will be restricted due to the sensitive nature of the data. This data will be accessible to only through ICPSR's Restricted Use policy and those wishing to access the data will be required to obtain IRB approval.

We will make the results of our studies available both to the academic and clinical communities interested in motor speech disorders, and to the larger scientific community studying communication disorders. Our results sharing plan includes (i) Presentations at national scientific meetings: It is expected that approximately three presentations at national or international meetings per year would be appropriate. These include more academic meetings such as the Conference on Motor Speech, Psychonomics, and the International Conference on Acoustics Speech and Signal Processing, and more clinical meetings, such as the American Speech and Hearing Association Conference; (ii) Publications in peer-reviewed journals: We expect that the findings of this study will be of interest to the broader cognitive community. We will submit our findings to the relevant ASHA journals and to journals with a broader audience, such as Cognitive Science, PLOS ONE, and The Journal of the Acoustical Society of America; and (iii) Website: We will use the USU PI www.humaninteractionlab.com website to help share new results and make papers available as appropriate.