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4-22-2020

Application of Ideal Binary Masking to disordered speech

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Recommended Citation

Data Sharing Plan

The current proposal will involve the creation of auditory stimuli, as well as the collection of behavioral data from human subjects with both normal and impaired hearing. The auditory stimuli will include recordings from both healthy and disordered speakers, and will be saved as .wav files. The behavioral data will primarily consist of numerical data representing percent correct intelligibility under various listening conditions, and will be maintained in excel worksheets. All generated data will be maintained in a minimum of three locations: the local workstation used in the experiment, an encrypted external hard drive, and Box.com. Box.com is a cloud storage system used by Utah State University. 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. The stimuli and data will be available for public access via a data repository at the University of Michigan (ICPSR). 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. A data-sharing plan will be in place which will require that the individual use the data and stimuli only for research purposes, that they only use de-identified data, and that they appropriately secure the data.