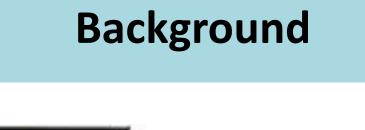
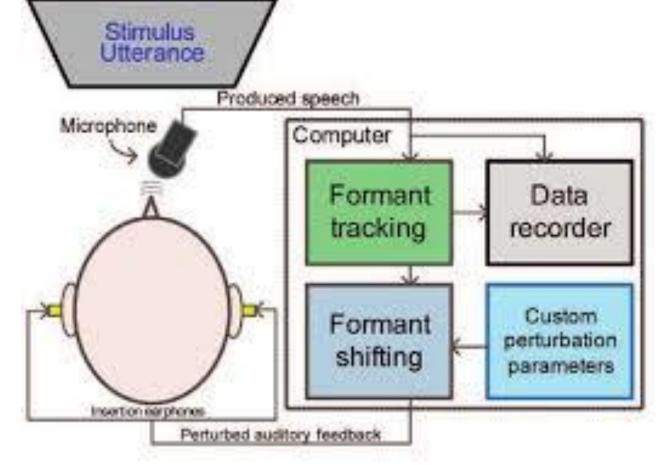
A Software and Manual for Data Analysis in Audio Perturbation Experiments

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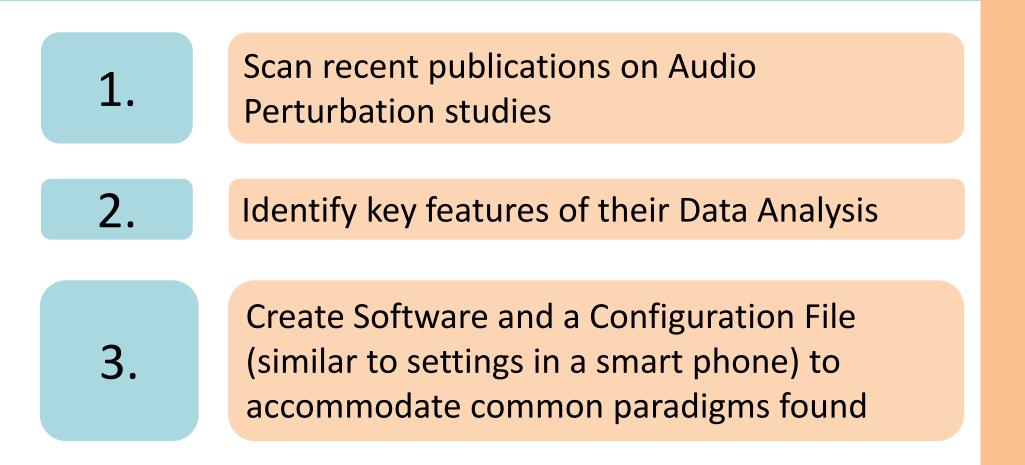
Auditory perturbation is a well-established speech task that is used to investigate a phenomenon called speech adaptation.

Audio Perturbation data is difficult and tedious to analyze



A simple, customizable data analysis program allows researchers more freedom and time

Methods and Analyses



A data analysis software for use in Audio Perturbation Experiments



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Results	
Info File	Info File for each participant's data giving information on their results
Participants gender is female Trial time stamp is 16-Jun-2022 Start phase number of trials is 30 Start phase original mean F1 is 622.17 and original mean F2 is 1939.13 Start phase altered mean F1 is 670.35 and altered mean F2 is 1924.48 Start phase original Linear Standard Deviation for F1 is 34.61 and for F2 is 30.66 Start phase altered Linear Standard Deviation for F1 is 33.58 and for F2 is 17.50 Start phase original Circular Standard Deviation is 56.40 Start phase altered Circular Standard Deviation is 34.52	
F1 and F2 Stay per trial Mean F1 and F2 for Stay 100 1400 1200 107,49% (Respon 107,49% (Respon	2200
800 600 0 10 20 30 40 50	Graphs
Trial # in phase: Stay	Easy to reference graphs to visually understand a participant's data
Manual	
A manual explaining the software for future researchers to use	<section-header><section-header><section-header><section-header><text><text><section-header><section-header><text><text><text></text></text></text></section-header></section-header></text></text></section-header></section-header></section-header></section-header>

Conclusions/Relevance

Holland Blcorview Kids Rehabilitation Hospital



Software allows researchers to perform Audio Perturbation studies much easier - including an ongoing study in the CONNECT Lab

Potential for specific purpose computer with a Graphical User Interface to enable all-in-one place Audio Perturbation experiments