Collaborative Commentary for AphasiaBank

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Purpose

The basic goal of Collaborative Commentary is **to open up this rich, large, shared database to commentary from the clinical teaching and research communities.**

Potential EDUCATION applications include:

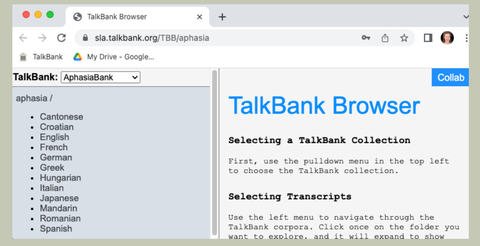
- Identify speech and language behaviors in people with different types and severities of aphasia (or apraxia of speech, RHD, TBI, dementia)
- Compare and contrast language behaviors across disorders
- Practice scoring BNTs, VNTs, WAB picture descriptions or other assessments
- Practice scoring discourse measures like CIUs, main concepts, coherence
- Teach clinical reasoning skills – e.g., cuing, timing, modeling, reinforcing, supporting
- Learn treatment techniques through annotated demonstration videos

Potential RESEARCH applications include:

- Evaluate **reliability** among coders/scorers
- Collectively evaluate and refine descriptions of **behaviors** of interest – e.g., fluency, anomia, apraxia of speech, agrammatism vs paragrammatism, gestures
- Evaluate competing **theories**
- Conduct treatment **fidelity** checks in treatment studies

WHERE IS COLLABORATIVE COMMENTARY (CC)?

CC is in the TalkBank Browsable Database -- https://sla.talkbank.org/TBB/aphasia -- where all media files and linked transcripts can be accessed with User Name and Password protection

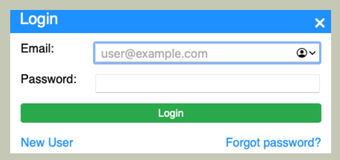


← Collab button

A step-by-step **CC manual** is available from a link at the bottom of the page -- https://sla.talkbank.org/CCmanual/

STEP 1: SIGN UP

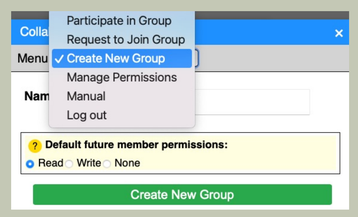
Create an account with your email address and a password.
Click the blue Collab button
and then click the blue New User link.



STEP 2: CREATE A GROUP and/or JOIN A GROUP

CREATE a group:

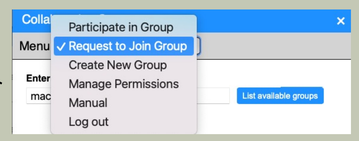
- Click the blue Collab button
- Select *Create New Group*
- Name your group
- Choose permission level for group members



STEP 2, cont.

JOIN a group:

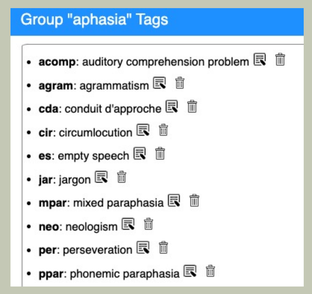
- Click the blue Collab button
- Select *Request to Join Group*
- Enter the email address of the group owner
- Click *List Available Groups*
- Choose the group and click *Request to Join*



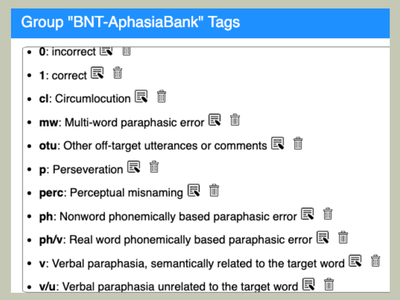
STEP 3: TAGGING and COMMENTING

Group owners can create tags for coding transcripts.

Example of some tags used to code typical aphasia behaviors:



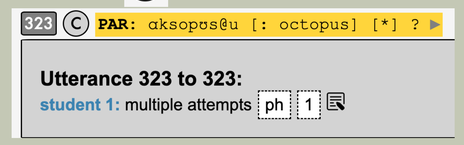
Example of some tags used to score and code responses to BNT:



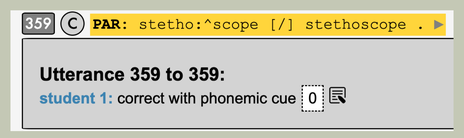
EXAMPLE of TRANSCRIPTS with COMMENTS & TAGS

Ⓒ means a comment was inserted for that utterance

Click on the Ⓒ to open the Comment/Tag and see what was entered and by whom:



Transcript: naming response
Tags (white boxes):
1 point, correct
phonemic paraphasia – error code
Comment: multiple attempts

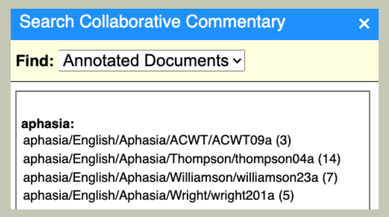


Transcript: naming response
Tags (white boxes):
0 points, incorrect
Comment: correct but with phonemic cue

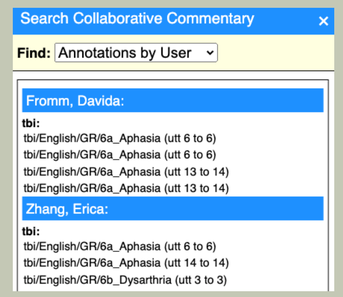
SEARCHING

Using the magnifying glass **search button** you can search for:

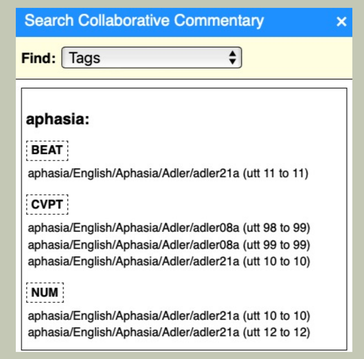
1. Documents with Annotations (Comments and/or Tags)



2. Annotations by User

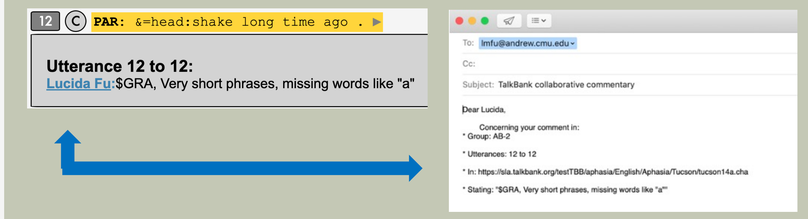


3. Annotations by Tags



ADDITIONAL FEATURES (some in development)

- Direct **EMAIL** to coder/scorer by clicking on the name (hyperlink)



- Hide annotations/tags from other users in group
- Output tags to spreadsheet format and/or to CHAT file
- Automatic computation of reliability
- Automatic linking of un-transcribed media in 5 second utterances to allow for viewing and commenting

PROPOSED WORK USING Collaborative Commentary

AphasiaBank-- Jessica Richardson & Sarah Grace Dalton
- to validate and extend main concept analysis scoring in transcripts

TBIBank -- Elise Elbourn & Leanne Togher
- to code macrostructure in TBI narratives
- for student to reponses to Grand Rounds discussion questions

FluencyBank – Nan Bernstein Ratner
- to improve reliability for coding disfluencies such as retraces, repetitions, blocks, etc.

CHILDES -- Tamis-LeMonda
- to refine the PLAY coding system

ACKNOWLEDGEMENTS

- This work was funded by NIH-NIDCD grant R01-DC008524 (20017-2022).
- Collaborative Commentary was developed by **John Kowalski**.
- We thank the hundreds of participants and colleagues who have contributed to AphasiaBank and the other TalkBank shared databases.