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 (e.g., 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

WHERE IS COLLABORATIVE COMMENTARY (CC)?

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

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 password:
- Click the blue Collab button
- Enter the email address of the group owner
- Choose the group and click Request to Join

STEP 2, cont.

JOIN a group:
- Click the blue Collab button
- Select Request to Join Group
- Enter the email address of the group owner
- 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:

- \( \text{Group} / \text{aphasm} \) Tags
  - \( \text{aphasias: naming response} \)
  - \( \text{aphasias: phonemic cue} \)
  - \( \text{aphasias: reflexive} \)
  - \( \text{aphasias: phonemic paraphasia} \)

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

- \( \text{Group BNT/AphasiaBank} \) Tags
  - \( \text{BNT: initial concept} \)
  - \( \text{BNT: initial concept} \)
  - \( \text{BNT: initial concept} \)
  - \( \text{BNT: initial concept} \)

EXAMPLE of TRANSCRIPTS with COMMENTS & TAGS

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

Search

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 2 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 responses to Grand Rounds discussion questions

PhuencyBank -- Nan Bernstein Rater
- to improve reliability for coding discrepancies such as reiterations, repetitions, blocks, etc.

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

ACKNOWLEDGEMENTS

This work was funded by NIH-NIDCD grant R01-DC008524 (2001-2022).

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.