

Documentation of ChiCo corpus Annotation

As Supplementary Material for the paper:

Bodur, K., Nikolaus, M., Prévot, L., & Fournassi, A. (2023). Using video calls to study children's conversational development: The case of backchannel signaling. *Frontiers in Computer Science*, 5.

1) Structure of annotation folders

Parent-Child (PC)

Recordings (not shared)

PC-P1-C1

- Audio-parent
- Audio-child
- Audio-both
- Video-both

PC-P2-C2

PC-P3-C3

.....

Annotations

PC-P1-C1

- txt
- csv
- eaf (Elan-specific)
- pfsx (Elan-specific)

PC-P2-C2

.....

Parent-Adult (PA)

Recordings (not shared)

PA-P1-A1

- Audio-parent
- Audio-adult
- Audio-both
- Video-both

PA-P2-A2

PA-P3-A3

.....

Annotations

PA-P1-A1

- txt
- csv
- eaf (Elan specific)
- pfsx (Elan specific)

PA-P2-A2

2) Example data in an annotation file

(This is the standard txt file exported file from Elan)

The columns names:

Tier, ID (see below, Elan template), start1 (time), start2 (same, but accumulated seconds), end1 (time), end2 (same, but in seconds), duration1 (end1 - start1), duration2 (same in seconds, but end2 - start2), category, (comment, optional)

A1-Gaze	Adult1	00:00:49.374	49.374	00:00:53.624	53.624	00:00:04.250	4.25	LS	looking at the screen
A1-Gaze	Adult1	00:00:54.701	54.701	00:01:00.770	60.77	00:00:06.069	6.069	LS	looking at the screen
A1-Gaze	Adult1	00:01:01.411	61.411	00:01:07.000	67.0	00:00:05.589	5.589	LS	looking at the screen
A1-Gaze	Adult1	00:01:09.406	69.406	00:01:23.410	83.41	00:00:14.004	14.004	LS	looking at the screen

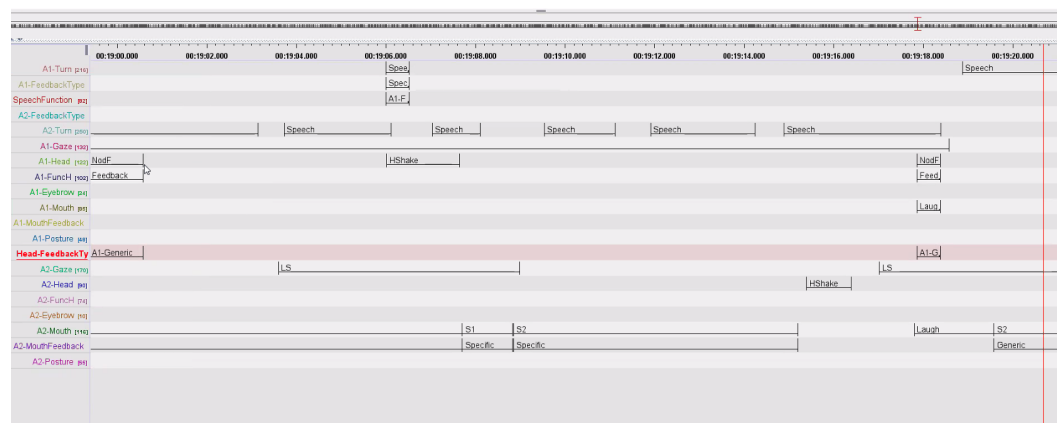
3) Elan templates

In the example below, we have a case of Adult1-Adult2: (A1 and A2)
-> note that A1 = Parent

For each conversation, we have 2 sets of tiers, one for each interlocutor (e.g., A1-mouth and A2-mouth)

Each tier (e.g., “A1-mouth”) has one or several categories (e.g., S1, S2, and Laugh)

Here is the list of tiers for A1 and A2 from an example



The most important tiers and categories :

- **Turn:** speech (vs. non-speech)
- **Mouth:** S1 (smile with a closed mouth), S2 (smile with open mouth), Laugh
- **Head:** NodF (listener's feedback), NodR (response), Nod (rare, ambiguous), and Hshake
- **Eyebrow:** Raised, Frown
- **Posture:** Forward, Backward
- **Gaze:** LS (looking at the screen) vs. looking away (when LS is absent)

Other Comments

Here we don't have Parent 6 (P6) in the annotated Child-Parent files since we didn't use their parent-child recording for the study (due to issues with the video). However, we have a parent-adult recording involving P6 and A6 which we used for the adult study. That's why we go from P5 to P7 in the file naming. Also, on P3 participated twice as they converd with 2 of their children

« Kids-Parents » Annotations		Search Annotations		
Name	Date modified	Type	Size	
PC-P1-C1	22 Jun 2021 15:17	File folder		
PC-P2-C2	22 Jun 2021 16:09	File folder		
PC-P3-C3	22 Jun 2021 16:09	File folder		
PC-P3-C4	22 Jun 2021 17:46	File folder		
PC-P4-C5	25 Nov 2021 15:29	File folder		
PC-P5-C6	23 Jun 2021 17:40	File folder		
PC-P7-C7	23 Jun 2021 14:46	File folder		
PC-P8-C8	13 Aug 2021 23:25	File folder		
PC-P9-C9	13 Jul 2021 08:22	File folder		
PC-P10-C10	23 Jun 2021 16:43	File folder		