

## ■このデータセットについて

本データセットは Kyutech Debate Corpus [1] に視線情報を付与したものです。本データセットを用いる場合は以下の論文を引用してください。

This is an extended version of Kyutech Debate Corpus [1]. This version contains the gaze information of each utterance in the corpus. If you use this dataset, please cite the following paper:

Kensho Wakita and Kazutaka Shimada. An utterance is enough to the gaze? Gaze detection from utterance information in multi-party discussion. ABC2024.

## ■データについて

データは data/ に全部で 10 対話あります。

ファイル名はそれぞれ

T0\_phase2, T0\_phase3, T1\_phase2, T1\_phase3, T2\_phase2, T2\_phase3,  
T3\_phase2, T3\_phase3, T4\_phase2, T4\_phase3

です。

csv 形式と xlsx 形式の 2 種類があります。内容は同じです。

The dataset consists of 10 discussions. There are two formats for the discussions: cvs and xlsx (the same content).

## ■ファイル内のラベルの説明

The following is the information on each label.

- #person\_id: 話者 (Speaker ID)
- start\_time: 発話開始時間 (The beginning time of the utterance)
- end\_time: 発話終了時間 (The end time of the utterance)
- junior\_1: 議論内に話者の後輩が 1 人いれば 1, いなかったら 0  
(If the number of younger participants than the speaker is 1, the value is 1. Otherwise, 0.)
- junior\_2: 議論内に話者の後輩が 2 人いれば 1, いなかったら 0  
(If the number of younger participants than the speaker is 2, the value is 1. Otherwise, 0.)
- junior\_3: 議論内に話者の後輩が 3 人いれば 1, いなかったら 0  
(If the number of younger participants than the speaker is 3, the value is 1. Otherwise, 0.)
- same\_1: 議論内に話者の同期が 1 人いれば 1, いなかったら 0  
(If the number of participants with the same age as the speaker is 1, the value is 1. Otherwise, 0.)
- same\_2: 議論内に話者の同期が 2 人いれば 1, いなかったら 0  
(If the number of participants with the same age as the speaker is 2, the value is 1. Otherwise, 0.)

- same\_3: 議論内に話者の同期が 3 人いれば 1, いなかったら 0  
(If the number of participants with the same age as the speaker is 3, the value is 1. Otherwise, 0.)
- senior\_1: 議論内に話者の先輩が 1 人いれば 1, いなかったら 0  
(If the number of older participants than the speaker is 1, the value is 1. Otherwise, 0.)
- senior\_2: 議論内に話者の先輩が 2 人いれば 1, いなかったら 0  
(If the number of older participants than the speaker is 2, the value is 1. Otherwise, 0.)
- senior\_3: 議論内に話者の先輩が 3 人いれば 1, いなかったら 0  
(If the number of older participants than the speaker is 3, the value is 1. Otherwise, 0.)
- grade: 学年情報 (The grade information of the speaker)
- A: A の聞き手ラベル Listener Gaze of A \*1
- B: B の聞き手ラベル Listener Gaze of B
- C: C の聞き手ラベル Listener Gaze of C
- D: D の聞き手ラベル Listener Gaze of D

※論文内では聞き手ラベル中に「話者」というラベルを振っているが、データセット内では機械で処理しやすくするために「0」というラベルを振っている

※ In Table II of our paper, we assigned the label 'Speaker' to indicate the person who is talking in the Listener Gaze column. However, in our dataset, we replaced the 'Speaker' label with '0' to facilitate processing by machine learning models.

- speaker: 話者が見た聞き手を、見た時間が長い順に表記。(例: 話者が B と C を見ながら発話し、C の方をより長い時間見た → ラベルは CB)

The listener(s) whom the speaker is looking at. If the speaker gazes at multiple listeners during one utterance, we listed the listeners in order of the duration of gaze. (For example, if the speaker looks at both B and C in one utterance, with a longer gaze at C --> the label will be CB.)

- speaker2: speaker ラベルのうち、一番見た時間が長い聞き手を表記。(上の例の場合ラベルは C.) 論文内の話者ラベルはこのラベル。

The Speaker Gaze in our paper. (Indicate the listener with the longer duration of gaze. In the example above, the label will be C.)

※論文内では話者ラベルを A,B,C,D,0 と表記しているが、データセット内ではそれぞれ 1,2,3,4,0 と表記している。

※ In our paper, the Speaker labels are denoted as A, B, C, D, 0. In the dataset, the corresponding number is 1, 2, 3, 4, 0.

- label :発話注目度ラベル Attention label

\*1 The label meaning is

Label 1: the listener looks at the speaker

Label 2: the listener looks at another listener

Label 3: the listener does not look at anyone

Label 4: the listener is engaged in an activity, such as note-taking

#### ■参考文献

[1] Tsukasa Shiota and Kazutaka Shimada. Annotation and Multi-modal Methods for Quality Assessment of Multi-party Discussion. Proceedings of the 36th Pacific Asia Conference on Language, Information and Computation, pp. 175-182, 2022.