The purpose of this document is to briefly introduce the coding and annotation manuals and templates that have been developed for the social gestures project. Please email researchers ([anjanachandran@uchicago.edu](mailto:anjanachandran@uchicago.edu), [sgsg@uchicago.edu](mailto:sgsg@uchicago.edu), [sfiske@princeton.edu](mailto:sfiske@princeton.edu)) so we may help you cite our work accurately.

Data coding and annotation for this project will consist of careful examination, identification and classification of speech and gesture data. Participant video files will be split into audio-only and video-only files. Audio-only files will be accessible only to the Verbal Coding team, and Video-only files will be accessible only to the Gesture Coding team.

Participant Video Data File

Video-Only

Audio-Only

The Verbal Coding team will complete four iterations of coding, and the Gesture Coding team will complete four to five iterations of coding.

Participant Video Data File

Video-Only

Audio-Only

Iteration 0: Paradigm Structuring

Iteration 1: Gesture Identification

Iteration 2: Gesture Filtering

Iteration 3: Gesture Consolidation

Iteration 4: Gesture Classification

Consolidation Meeting

Iteration 1: Speech Identification

Iteration 2: Speech Classification

For speech / verbal coding, manuals are available for completing:

**iteration 0** (wherein the participant response is annotated to indicate portions of the recording wherein the participant speaks, what question the participant is responding to, and about what target people or groups)

**iteration 1** (wherein utterances with social cognitive content are identified, and their boundaries are determined by two coders working individually with the participant audio file)

**iteration 2** (wherein utterances with social cognitive content identified previously are categorized into warmth, competence, other social dimensions, by a single coder working individually with the participant audio file)

Note that for speech / verbal coding, a manual has not been generated for the consolidation meeting that occurs between iterations 1 and 2. The purpose of the meeting is for the two coders who independently annotated Iteration 1 to meet and consolidate for utterance presence and utterance boundaries. A demo video file for consolidation meetings may be uploaded upon receiving permission from the speakers in the video file. Also note the manual uploaded for transcription.

For gesture coding, manuals are available for completing:

**iteration 1** (wherein the participant response is examined for idiosyncrasies, and thereafter, annotated to indicate gesture presence, identify gesture boundaries, and highlight beat gestures, palm-up gestures, and self-adaptor gestures)

**iteration 2** (wherein gestures are categorized into those that are of primary interest to the present project and those that are of secondary interest, for future work in the present line of inquiry)

**iteration 3** (walks coders who individually complete iterations 1 and 2, through a consolidation meeting to finalize gestures and gesture boundaries for subsequent coding)

**iteration 4** (wherein the two coders together classify gestures that they have identified and marked boundaries for – the goal of this iteration is to identify gestures that promise some degree of inter-coder reliability)

**iteration 5** (optional - wherein the [Fflipper app](https://github.com/jonkeane/fflipper) is introduced to coders, to clip individual video clips for immediate comparison of signal-to-noise ratio within participant; please cite Fflipper separately, if you plan to use the tool)

Note that for gesture coding, several other helpful manuals and information are made available – from merging transcriptions to gesture definitions and a gesture image booklet. Manuals for iterations 1 through 5 will make references to these supplementary resources as and when they are needed.

**A note on Bridge Coding:**

Alongside manuals for verbal and gesture coding, are materials for “Bridge Coding”. The Bridge Coding team takes verbal coded files, identifies annotation boundaries within which gesture coders need to examine participant response, prioritizing immediate areas of interest while also occluding any information identified by verbal coders, for completely blind coding.

The data flow across coding iterations and teams is as follows:

Participant Video Data File

Video-Only

Audio-Only

Iteration 0: Paradigm Structuring

Iteration 1: Gesture Identification

Iteration 2: Gesture Filtering

Iteration 3: Gesture Consolidation

Iteration 4: Gesture Classification

Consolidation Meeting

Iteration 1: Speech Identification

Iteration 2: Speech Classification

Bridge Coding

Manuals for coding are accompanied by ELAN annotation templates, suffixed by coder IDs, for use by different coders engaged in the research team. Their purpose is to facilitate a standard tier structure as well as controlled vocabularies for annotation. Note that with verbal coding data in this project, irregularities were identified nevertheless – it may help to check the range of annotations listed across participants prior to executing data analyses.