



CONSENT FORM

Understanding Human Communication through Facial, Gesture, and Language Expression Analysis in Debate

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This consent form describes a research study, what you may expect if you decide to take part in the study, and important information to help you make your decision. Please read this form carefully.

The study staff will explain this study to you. Please ask questions about anything that is not clear before you agree to participate.

- Being in this study is voluntary – it is your choice.
- If you join this study, you can change your mind and stop at any time.
- There are risks from participating and you should understand what these mean to you.

Introduction

You are being asked to take part in this study because you are a participant in a debate competition.

This study is being conducted by Taylan Sen and Dr. Ehsan Hoque at the University of Rochester's Department of Computer Science.

Purpose of Study

The broad purpose of our research is to study public speaking and debate. The research team will use the recordings to try to create a computer algorithm which will be able to predict the effectiveness of a given speech.

More specifically, our research aims to (1) develop and determine audio/video/body movement features which are useful in predicting effective debate, (2) making a public database of personally unidentifiable communication

features of individuals debating, and (3) develop a mathematical model of effective public speaking based on the identified features. Ultimately, our research hopes to determine whether automated analysis of recorded speaking can predict a speaker's effectiveness and be of use in automated coaching systems.

Description of Study Procedures

If you decide to take part in this study the following will occur:

- Your debate speeches will be recorded with an audio and video camera.
- Some participants may be asked to wear a smartwatch during their debate speeches, which will record motion and heart rate.
- You will complete a short questionnaire after your debate.
- We will collect your debate scores

The video and audio recordings from this research study will be stored and reviewed by the research team. In addition, facial expression, audio, and body movement features of these videos will be extracted and will become part of a public research database, but these videos will not directly identify you. Your name or other personally identifying features will not be associated with the public database in anyway. This public database will allow for your videos to be shared with any 3rd parties requesting the data for research.

By agreeing to participate in the study you are also agreeing to have your video recordings viewed by the research team and having features extracted from your videos analyzed by others outside of the research team.

Number of Subjects

We are targeting to enroll approximately 100 individuals, not to exceed 500 individuals in this study.

Duration of the Study

The data collection will take place over a single weekend. Data analysis will take place over one year.

Risks of Participation

The risks of participating in this study is are that you may feel self-conscious about being videoed during your debate and having your video and audio recorded and reviewed by others. You will be asked after your debate if it is still okay that we use your video. If it is not, we will delete your video immediately. You can also contact us later by email or phone and we will stop using your video for research.

Benefits of Participation

You will not benefit from being in this research study.

Payments

You will be paid \$5for each debate round that you give us consent to use.

Confidentiality of Records

The University of Rochester makes every effort to keep your name private. In order to do so, we will preserve your anonymity by means of a random code number to identify you. However, others will likely be able to determine your identity from the video and/or audio recordings. It is likely that people who know you will be able to identify you from your appearance and/or voice if they are part of the research team. Results of the research may also be presented at meetings or in publications, but your name will not be used.

Contact Persons

For more information concerning this research or if you feel that your participation has resulted in any emotional or physical discomfort, or if you wish to have your data removed, or if you have questions about this form please contact: Taylan Sen at (716) 939-1426 or tsen@cs.rochester.edu.

Please contact the University of Rochester Research Subjects Review Board at 265 Crittenden Blvd., CU 420315, Rochester, NY 14642, Telephone (585) 276-0005 or (877) 449-4441 for the following reasons:

- You wish to talk to someone other than the research staff about your rights as a research subject;
- To voice concerns about the research;
- To provide input concerning the research process;
- In the event the study staff could not be reached.

Voluntary Participation

Taking part in this study is voluntary. You are free not to participate or to withdraw at any time, for whatever reason. No matter what decision you make, there will be no penalty or loss of benefits to which you are entitled. In the event that you do withdraw from this study, the information you have already provided will be kept in a confidential manner and you will be removed from any public database that is under our control.

Your choice to participate or not will have no effect on your debate competition scores or rankings in any way. If you are a student, this will not affect your class standing or grades at the University of Rochester. You will not be offered or receive any special consideration if you take part in this research.

If you are a University employee, taking part in this research is not a part of your University duties, and refusing will not affect your job. You will not be offered or receive any special job-related consideration if you take part in this research.

SIGNATURE/DATES

After reading and discussing the information in this consent form you should understand:

- Why this study is being done;
- What will happen during the study;
- Any possible risks and benefits to you;
- Other options you may have instead of being in the study;
- How your personal information will be protected;
- What to do if you have problems or questions about this study.

Subject Consent

I have read (or have had read to me) the contents of this consent form and have been encouraged to ask questions. I have received answers to my questions. I agree to participate in this study. I have received (or will receive) a copy of this form for my records and future reference. I am aware that audio and video recordings are gathered in this study, and that personally unidentifiable features of these recordings will become part of a publicly accessible database, and I give permission to make such features from my recordings part of any such public database.

Signature of Researcher

Date