

INFORMED CONSENT TO PARTICIPATE IN A RESEARCH STUDY

PROJECT TITLE: Classroom Response Systems in Statistic Courses

PRINCIPAL INVESTIGATOR: Dr. Teri J. Murphy, Mathematics

CONTACT INFORMATION: 325-4071, tjmurphy@ou.edu

You are being asked to volunteer for a research study. This study is being conducted at The University of Oklahoma. You were selected as a possible participant because you are enrolled in an introductory statistics course. Please read this form and ask any questions that you may have before agreeing to take part in this study.

The sponsor of the study is the National Science Foundation.

Purpose of the Research Study

The purpose of this study is to develop high quality clicker questions for use in statistics courses. In order to do this, we need to understand how students think about statistics ideas.

Procedures

If you agree to be in this study, you will be asked to do the following things:

1. complete the Statistics Concept Inventory (SCI) and the Attitude Toward Statistics survey (ATS) during class at the beginning and end of the semester;
2. allow the researchers to use your responses to in-class clicker questions and your written answers to in-class tests to conduct a systematic investigation of student thinking;
3. be contacted to participate in individual interviews during which you will be asked to think out loud about statistics problems.

Risks and Benefits of Being in the Study

There are no expected risks beyond those associated with being a student.

The benefits to participation are: The effectiveness of clicker use has been documented in several fields such as Physics. The extent of this effectiveness, however, depends on the quality of the questions, which in turn depends on student data. Thus, through student data, the researchers will be able to systematically develop high-quality questions. In completing the SCI, you will be required to think about statistics ideas, which can be a learning opportunity. Similarly, by participating in oral interviews, you will also have an opportunity to solidify connections between ideas.

Voluntary Nature of the Study

Participation in this study is voluntary. Your decision whether or not to participate will not result in penalty or loss of benefits to which you are otherwise entitled. If you decide to participate, you are free to not answer any question or withdraw at any time.

Confidentiality

The records of this study will be kept private. In published reports, there will be no information included that will make it possible to identify the research participant. Research records will be stored securely in a locked filing cabinet in a locked office and only approved researchers will have access to the records. Each participant will be assigned an ID code by which we can match data points (e.g., pre- and post-tests). No instructor will know which students in their class agreed to participate in the research.

Contacts and Questions:

The researcher(s) conducting this study can be contacted at 325-4071 or tjmurphy@ou.edu. You are encouraged to contact the researcher(s) if you have any questions.

If you have any questions about your rights as a research participant, you may contact the University of Oklahoma – Norman Campus Institutional Review Board (OU-NC IRB) at 405.325.8110 or irb@ou.edu.

You will be given a copy of this information to keep for your records. If you are not given a copy of this consent form, please request one.

STATEMENT OF CONSENT

I have read the above information. I have asked questions and have received satisfactory answers. I consent to participate in the study.

Signature

Date

Complete this section only if you might be willing to participate in interviews. Note that by completing this section you are not agreeing to participate in interviews, only allowing us to contact you about this possibility.

- I might be willing to participate in interviews.
My preferred contact information is _____ (please provide phone number or email address at which you can be reached).