Environment, Pedagogy, Institution, Course Inventory for Statistics

Pre-Course Inventory

Title of research study: Developing Validated Instruments to Measure Student/Faculty Attitudes in Undergraduate Statistics and Data Science Education

IRB #: IRB-FY2025-79

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Key Information: This study involves research and is voluntary. You can stop at any time without penalty.

Purpose of the Research: We are gathering data on attitudes toward statistics. We are interested in (1) what these attitudes are, and (2) how attitudes relate to student and instructor characteristics and classroom environment. The following inventory asks about the learning environment, pedagogical practices, and other course characteristics.

The long term goal of this research is to improve instruction in statistics courses.

Procedures: The entire survey should take about 10 minutes to complete. We request that you complete every item, but you are not required to do so. Your survey responses may be linked with other data collected as a part of this study.

You have been asked to give us your name and email address. The purpose is to verify your participation in this study, and to link your survey responses with any other responses you complete as part of this project. The EPIC inventory is administered in a pre-course and post-course format which we will link together.

A dataset that excludes all personal identifying information will be made publicly available for educational researchers. The study investigator may grant access to approved researchers to use identifiable data for validated studies after a Data Use Agreement has been signed.

Risks / Discomforts: This study is educational research and does not have any known associated risks.

Benefits to Prospective Subjects and/or to Others: By filling out this survey, you may gain deeper insights into your pedagogical practices.

Your responses may also aid statistics education researchers in improving instruction in statistics courses.

For Villanova-specific resources and other mental health resources, visit the Villanova IRB website. To view these online, navigate to irb.villanova.edu and click “Participating in a Research Study.”

As a participant in research, you have rights. Visit the Villanova IRB website to read the Participant Bill of Rights. To read online, navigate to irb.villanova.edu and click “Participating in a Research Study.”

Consent will be given through clicking “I accept” on Qualtrics surveys, by selecting one of the following options:

I have read and understand the terms and conditions of this research study and agree to participate. I understand my participation is voluntary and that I may withdraw at any time without penalty. By clicking "yes" I am indicating my permission to participate in this study.