



Statistics Seminar

Student Misconceptions in Elementary Statistics class

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12:00 – 1:00 PM

DERR 122

Abstract: Based on a number of surveys, tests and class discussions, the college student misconceptions on elementary statistics topics were categorized and briefly analyzed. I found the students' misconceptions are related to many topics of probability and statistics. The causation of misconceptions may be from linguistic issues, algebraic issues, student intuition, or other things. In the talk, I will be presenting in the pattern of "Misconceptions", "Examples", and "Instructional Solutions". I hope we may be able to find better instructional solutions on the misconceptions by discussing such topics.

Bikai Nie received his Master's degree in Statistics the University of Delaware and Ph.D. in Mathematics Education from East China Normal University. His research interests include the preparation for pre-service math teachers, professional development for in-service mathematics teachers, mathematics curricula for K-16, problem solving, problem posing, and quantitative methods in mathematics education research.