

1077-VE-2948      **Christopher J Lacke\*** ([lacke@rowan.edu](mailto:lacke@rowan.edu)), 521 Crafton Ave., Pitman, NJ 08071. *Introducing The Idea of Fitting a Distribution to Data in a Probability Course*. Preliminary report.

Many students in a variety of disciplines are required to take a calculus-based course in probability without having to take a mathematical statistics course or a second course in data analysis. As a consequence, the concept of goodness-of-fit is foreign to many students. In this talk, I will demonstrate an activity I use in my probability class to use summary statistics, graphs, and the properties of various discrete and continuous probability distributions to help them determine which distributions are reasonable models for a data set. (Received September 23, 2011)