

1086-B5-2376      **Kari Lock Morgan\***, kari@stat.duke.edu. *Simulating with StatKey.*

StatKey ([www.lock5stat.com/StatKey](http://www.lock5stat.com/StatKey)) is free online technology created by the Lock family for use in introductory statistics courses. This easy to use technology that works in all common web browsers utilizes simulations to help students understand key concepts of statistical inference. It is particularly designed to help students understand and implement bootstrap confidence intervals and randomization tests, although is also useful in a more traditional course for illustrating descriptive statistics, sampling distributions, confidence intervals, simple linear regression, and as a replacement for the distributional tables found in the back of many textbooks. In this talk we'll demo StatKey, and discuss its use in introductory statistics courses. (Received September 25, 2012)