

1135-K5-2991      **Kari Lock Morgan\*** (klm47@psu.edu), 323B Thomas, University Park, PA 16802. *Engaging Students by Using Simulations to Address the Question of the Day.*

This talk will discuss a recent redesign of introductory statistics. The first goal of this redesign was to introduce inference using simulation-based methods, capitalizing on modern computing power to promote conceptual understanding of fundamental ideas. The second goal was to design each class and lab to use data to address a real "question of the day," capitalizing on student's natural curiosity and demonstrating the power and relevance of statistics. This talk will discuss the changes, challenges, and resulting improvement on learning. (Received September 26, 2017)