

1086-P5-2272 **Therese Shelton*** (shelton@southwestern.edu). *Building and Feeling Confidence Intervals.*

Students enjoy an in-class activity for creating physical confidence intervals from pipe cleaners and beads for the mean of dice rolls. We know whether the population mean of this known distribution is contained in each confidence interval. The activity is doubly tactile, both in actively generating sample data and in creating an actual object for a confidence interval. The resulting class collection fosters discussion and solidification of multiple major concepts, including the Central Limit Theorem, variation in samples, effect of sample size, and the meaning of confidence interval and confidence level. (Received September 25, 2012)