

1106-A5-2532 **Samuel A. Cook***, scook@wheelock.edu. *What do students know about the mean and what do we expect that they know?* Preliminary report.

An introductory statistics class is rooted in basic understandings of and inferences about statistical distributions, which both require a rich understanding of mean, standard deviation, standard error, as well as the relationships to the data these measures draw on.

This talk will discuss how much time is spent teaching the concept of the mean in the classroom. Results from a study of students who recently completed an introductory statistics class as well as instructors who recently taught an introductory statistics class will be discussed.

Discussion will revolve around the following: How well do students understand the mean? How well do instructors believe their students understand the mean? How much class time is typically spent discussing the mean as a stand-alone concept? (Received September 16, 2014)