

1056-Z1-1697 **Kate G McGivney*** (kgmcgi@ship.edu), 1871 Old Main Dr., Shippensburg University,
Shippensburg, PA 17257. *Making Sense of Sampling Distributions: Activities for an Introductory
Statistics Course*. Preliminary report.

In this talk we will share classroom activities that have been used in an introductory statistics course to teach concepts related to sampling variability. Beginning students often struggle with making sense out of the sampling distribution of the sample proportion, an idea at the heart of inference. These classroom activities invite the students to investigate sampling distribution concepts using manipulatives and applets and to make conjectures about population parameters based on simulated data. (Received September 22, 2009)