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Ryo Ohashi* (ryoohashi@kings.edu), Department of Mathematics, King's College, 133 North River Street, Wilkes Barre, PA 18711. *Teaching Mathematics Course using Creative hands-on Activities*. Preliminary report.

Students often have a hard time to understand abstract mathematics theories. In particular, it is common when we teach a general requirement math course for non-science major students. In King's College, those majors must take Quantitative Reasoning which consists of four units: Voting Theory, Basic Statistics, Graph Theory and Geometry. In this talk, I will demonstrate one of the topics covered in Statistics Unit: Capture and Re-Capture Method. The audiences will notice that my hand-on demonstration helps students truly "see" and "feel" an idea of the theory. I will also bring and show you some gadgets I use for my in-class demonstrations. These are mostly low tech devices that use no more than strings, food, party favorites and Play Doh.

This is a class demonstration for non-science majors so everyone is welcome to attend including high school or undergraduate students. (Received September 13, 2007)