Struggling students try every option, rewrite equivalent answers, and believe they ”almost” remember the correct method. Online homework systems, such as WeBWorK, can gather an immense amount of student performance data and identify students practicing mind-numbing methods. In this talk, I’ll share how we’ve used WeBWorK data to provide active interventions for Calculus students through interactive online tutorials and group activities. (Received September 23, 2010)