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Talithia D. Williams* (twilliams@hmc.edu). *Show me the data: Using data-enhanced classroom experiences to engage student learning.*

Big data analytics is often used to describe the process of analyzing large data sets to discover previously unknown patterns and gain new insights. Mathematical experiences that incorporate real world data within fundamental pedagogy condition and solidify student understanding, while improving student retention of course material. Situations in which students collect and interpret their own data and those in which they explore online databases can easily be incorporated into both introductory and advanced mathematics and statistics courses. This talk will provide pedagogical approaches to incorporating big data analytics in the classroom. (Received September 19, 2015)