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Dan Seth* (dseth@wtamu.edu), Mathematics, WTAMU, Canyon, TX 79015. *Enhanced student learning and attitudes with bi-weekly MINITAB explorations*. Preliminary report.

The MINITAB program has been integrated into Mathematical and Engineering Statistics at WTAMU the past five years. The course was restructured two years ago to incorporate bi-weekly MINITAB labs in a hybrid format. Labs were posted on the classroom management system and class time replaced with time in a computer laboratory. Students are introduced to MINITAB tools, explore or visualize theories and collect data to apply statistical tools learned. Sample lab activities will be presented along with assessment results. Students visualize Continuous PDF's and generate data to explore the Central Limit Theorem. They collect fresh data for labs on Hypothesis Tests for the Mean or proportion, apply ANOVA to Real Estate Data, and run Chi-Square tests for Vehicle Data. Incorporation of the labs has enhanced learning and engendered an interest in statistics as a meaningful subject of study. (Received June 17, 2017)