

1125-VW-2241      **Dan L. Seth\*** ([dseth@wtamu.edu](mailto:dseth@wtamu.edu)), Department of Mathematics, WTAMU, Canyon, TX 79015.  
*Enhanced Student Learning with Bi-weekly MINITAB Labs in Statistics.* Preliminary report.

The MINITAB program has been integrated into Mathematical and Engineering Statistics at WTAMU the past five years. This past year the course was restructured to include bi-weekly MINITAB labs in a hybrid format. Labs were posted on the classroom management system with class time replaced with time in a computer laboratory. Students are introduced to MINITAB tools and explore or visualize theories. The presentation will illustrate tools developed to visualize Continuous PDF's and the Central Limit Theorem. Most explorations incorporated fresh data that the students collect. Examples presented will include Hypothesis Testing for the Mean, ANOVA and Real Estate Data, and a Chi-squared test for Vehicle Types. Incorporation of the labs has enhanced learning and engendered an interest in statistics as a meaningful subject of study. Assessment results will be presented (Received September 20, 2016)