1125-K5-2909

Joseph McCollum* (jmccollum@siena.edu), Siena college, QBUS Department, 515 Loudon Road, Loudonville, NY 12211, and Nichole McCollum. Utilizing World Bank Data to Enrich the Learning of Students in all Levels of Statistics. Preliminary report.

At Siena College, in upstate N.Y., the School of Business has its own Quantitative Analysis Department (QBUS). The role of this department is to teach the mathematically based courses, including business statistics, and to incorporate business applications into every lecture. In fall 2014 we enhanced our statistics course to include extra lab time to experiment with real-life data from the World Bank website. Students apply skills learned throughout the semester to a course long project that investigates natural world concerns. This activity of using real data enhances student engagement within the course and expands their knowledge of statistics. Throughout the length of the course students have specific due dates to check for understanding of course skills, allowing the teacher to use data to determine areas of weakness. The additional lab time can be used for re-teaching opportunities, 1:1 support to students and research time. We believe our data set engages students to think beyond the skills taught in the course and we would like to share our results and experiences. (Received September 20, 2016)