

1135-VF-2612 **Benjamin D Knisley*** (bknisleyhome@gmail.com), 26630 Barton Rd, ATP 2212, Redlands, CA 92373, and **Dr. Linn Carothers** (lcarothers@calbaptist.edu), 8432 Magnolia Ave, Riverside, CA 92504. *How High Impact Undergraduate Health Research Initiatives Can Be Discovered and Implemented in The Statistics Classroom*. Preliminary report.

High-impact learning with undergraduate research in the classroom has tremendous benefits. From undergraduate student to Business Systems Analyst this presentation will discuss undergraduate publications, training, and mentoring that eventually led to a job offer with the County of San Bernardino. This presentation will discuss my trajectory in undergraduate research in obesity with Native Americans and the surprising opportunity to predict high utilizers throughout San Bernardino County. Topics include anthropometric and nutritional measurements with a cross-sectional, epidemiological population (n=183) of Native American students (ages 14-18) from diverse tribal backgrounds at an urban residential high school. Furthermore, we discuss how these methods derived from Native American studies eventually led to a recent Western Users of SAS Software publication which engages County systems to integrate health data sources to stratify, identify, and predict high utilizers of public systems. Additionally, we show advanced mathematical concepts taught in the classroom that foster the construction of a predictive model, using a retrospective cohort with multiple logistic regression, to demonstrate the factors and service utilization patterns that most contribute to high utilizer. (Received September 26, 2017)