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Introductory statistics laboratory projects using the TI-83.

At Georgia Southern University the freshman/sophomore service course, Introductory Statistics, includes at least four laboratory experiences. For each lab, data are generated by the students working alone, in small groups, or together as a class during a class period. Over the following week, each student analyzes the data using a TI-83 calculator and, after one week, submits a laboratory report. Students are provided a comprehensive handout prior to the lab class day. The lab grades together count as much as one test. Many of the labs follow generally labs described in Spurrier, Edwards, and Thombs, Elementary Statistics Laboratory Manual, Duxbury Press (1995), but they are based on the TI-83 rather than a computer statistics package. The labs that we developed and used during the 1999-2000 academic year are "Variability And Heart Rates", "Real and Perceived Distances", "A Question of Taste", "Sampling And Variation in Manufactured Products", and "Random Sampling". These will be discussed and the class handouts will be available. (Received August 24, 2000)