

Meeting: 1003, Atlanta, Georgia, MAA CP L1, MAA Session on Using Real-World Data to Illustrate Statistical Concepts, I

1003-L1-337 **Thomas J Pfaff*** (tpfaff@ithaca.edu), Math & Comp. Sci. Dept., Ithaca College, 1212 Williams Hall, Ithaca, NY 14850. *Statistics Class Projects Using Institutional Data*. Preliminary report.

If we let all students at Ithaca College be our population, then institutional research can provide us with various parameters about this population. For example, we can obtain parameters regarding SAT scores, birth month, and GPA. Each student samples from the population and we compare their results to the parameters. This allows us to better illustrate the meaning of confidence intervals, p-values, and the power of a test. This talk will provide examples of what was done in class using the data the students collected. (Received September 10, 2004)