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Clifton Wingard* (cwingard@dsu.deltast.edu), Department of Mathematics, Delta State University, Cleveland, MS 38733. *Enhancing Student Learning and Perceptions in Calculus Using Internet Based Projects*. Preliminary report.

The projects which I generate for my calculus students are all based on real data from internet web sites. The use of the internet as a source of data allows for much flexibility as I tailor materials for the specific needs of my students concerning the material which is being covered in the classroom. This flexibility includes being able to ask particular questions for specific sets of data as well as being able to find materials of interest to particular students who can relate specifically to certain subject areas (such as agriculture or finance). Because of the variety of data which is accessible, the students are able to work with "real" data in different settings and learn how to interpret the results of their calculations in meaningful ways. In addition to having material on which to practice specific manipulations which are encountered in the study of calculus, the students discover uses for the theory in the world outside the classroom. (Received September 11, 2000)