

1014-X1-1152      **Madhuri S Mulekar\*** (mmulekar@jaguar1.usouthal.edu), University of South Alabama, 307 Univ Blvd, ILB 325, Mobile, AL 36688-0002. *Did the educational program improve students' knowledge?*

Too often, technology makes it easy for students to do computations for inferential procedures, but they fail to see the connection between the design of study and the type of inferential procedure selected. They don't realize that the validity of results they get depends on meeting the conditions for the applied analytic procedure, or they simply fail to check if the underlying conditions are met. This project discusses a design behind the dependent samples case using an educational program implemented by the Sickle Cell Association of America — Mobile Chapter and demonstrates the analysis using the data collected by them. (Received September 27, 2005)