

1145-VJ-1498      **Diane C Lussier\*** ([diane.lussier@pima.edu](mailto:diane.lussier@pima.edu)), 1255 North Stone Avenue, Tucson, AZ 85709,  
and **Mary Minke** ([maminke@pima.edu](mailto:maminke@pima.edu)), 7600 North Shannon Road, Tucson, AZ 85709. *Practical  
Applications in Data Analysis for College Algebra.*

Mathematics higher education is moving away from theoretical algebraic manipulation and toward real life applications in the social sciences and careers. New trends in college algebra reflect a practical approach and emphasis on data analysis. A student group project that incorporates internet data search, the application of Microsoft Excel, and linear regression analysis is presented.

The learning outcomes for students working the project is to use their mined data to develop a linear regression model, and then use the model to predict data. The attendees of this workshop will be able to take the project back to their own college algebra students. (Received September 22, 2018)