

1106-A5-657

Dale K Hathaway* (hathaway@olivet.edu), Olivet Nazarene University, Department of Mathematics, One University Avenue, Bourbonnais, IL 60914. *Analyzing Grade Inflation Data in an Introductory Statistics course.*

In an Introductory Statistics course it is useful to make use of data that has meaning for the students. This helps to draw them into the course because of their connection to the data. While this is often done through a survey administered the first day of class to collect data directly from the students, this talk will present an additional approach that can be used. At most institutions the graduation program lists the student's degree and majors along with any earned graduation honors. These programs are readily available at graduation and do not require special permission to obtain. The average incoming ACT score for freshmen is also typically available. This talk will discuss how this data has been used in class in the areas of chi-square tests, regression and correlation, and even student projects, providing a nice data theme for the course. (Received September 04, 2014)