

1086-VE-2520      **Andrew J Cousino\*** (acousino@ksu.edu), 11506 W. 143rd Terrace, Olathe, KS 66062.

*Data-mining to track student attitudes.*

Previous research has shown that student attitudes are very important in student success (or lack of success) in college algebra. Using data-mining techniques we have developed Bayesian and hidden Markov Models of how student attitudes evolve during a college algebra course. The ultimate goal is to improve retention by delivering appropriate support to the right students at the right times. This approach should extend to other introductory/developmental courses. (Received September 25, 2012)