April 2012 is Mathematics Awareness Month and its theme is "Mathematics, Statistics, and the Data Deluge."

David Dickey, Ph.D.
William Neal Reynolds Professor of Statistics,
NC State University
(and a graduate of Miami University!)

"Data Mining Tutorial"

Abstract

Whether it is called "big data," the "data deluge," or something else, the era of very large data sets is here and here to stay. Accompanying the era of big data is a growing set of big data tools, often lumped together under the category "data mining." This talk will introduce some of the more common data mining tools such as decision trees and neural networks along with some of the traditional tools such as logistic regression that are being employed in the analysis of big data. Often viewed as black box approaches, these data mining tools have statistical ideas at their core and these will be highlighted. Nevertheless, the presentation will be of a rather basic introductory nature, including many examples, and will be understandable even for those with minimal mathematical background.

Friday, April 13, 2012
3:30 p.m. in 339 UPH

Refreshments will be available in 309 UPH at 3:00 PM