Department of Applied and Computational Mathematics and Statistics Colloquium

Molly Walsh

Department of Mathematics & Statistics
Loyola University Chicago

An Introduction to Logistic Regression with Examples Using SAS

Linear model methods like linear regression and analysis of variance (ANOVA) work well when you are working with normally distributed response variables with constant error variances. When the response variable is binary, these assumptions are typically violated, so logistic regression is often used to model the effect of one or more independent variables on a single dependent variable, Y, which is dichotomous. Maximum likelihood estimation (with the help of statistical software) is used to estimate the parameters. A few examples using SAS will be included, along with detailed interpretations of the results.

Thursday, July 7, 2016
4:00 PM – 5:00 PM
127 Hayes-Healy Center

Colloquium Tea 3:30 PM to 4:00 PM 154 Hurley Hall