CSSS/POLS 510 - Maximum Likelihood Estimation

Lab 6. In- and Out-Sample Goodness of Fit, and Cross-Valdiation for Binary Models

Minji Jeong

Housekeeping

- Homework 2 grades will be posted during the weekend
- Homework 3 is due November 7 (Fri) 3:30pm
- Agenda
 - Homework 2 review
 - Visualization of logit model review
 - Goodness of fit

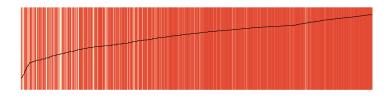
Goodness of Fit: Overview

- Likelihood Ratio Test
- Akaike Information Criterion
- Bayesian Information Criterion
- Percent Correctly Predicted
- Separation Plots
- 6 Actual vs. Predicted Plots
- Error vs. Predicted Plots
- 8 ROC Plots

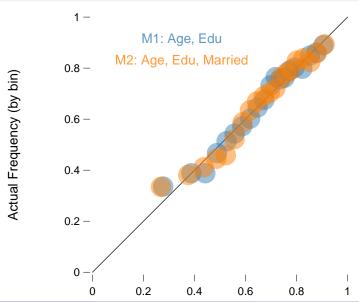
simcf and tile

- Most of the GoF above mentioned will be computed using source code programmed by Chris.
 - You will find those in his website and in the source folder from the compressed materials.
- It is assumed that you have installed both simcf and tile.

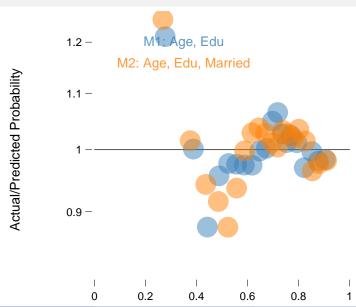
Preview: Separation Plots



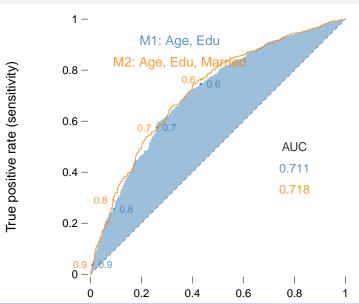
Preview: Actual vs. Predicted Plots



Preview: Error vs. Predicted Plots



Preview: ROC Plots



FIN