CSSS/POLS 510 - Maximum Likelihood Estimation

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

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Housekeeping

- Homework 2 grades will be posted during the weekend
- Homework 3 is due November 13 (Fri) 3:30pm
  - Make sure you explain your test results & plots
- Agenda
  - Homework 2 review
  - Logit model review
  - Goodness of fit

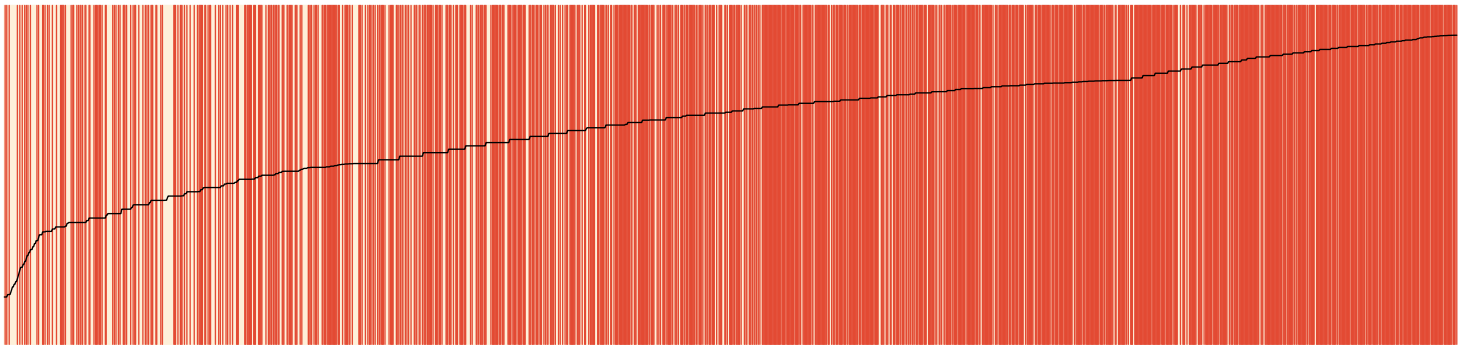
Goodness of Fit: Overview

1. Likelihood Ratio Test
2. Akaike Information Criterion
3. Bayesian Information Criterion
4. Percent Correctly Predicted
5. Separation Plots
6. Actual vs. Predicted Plots
7. Error vs. Predicted Plots
8. ROC Plots

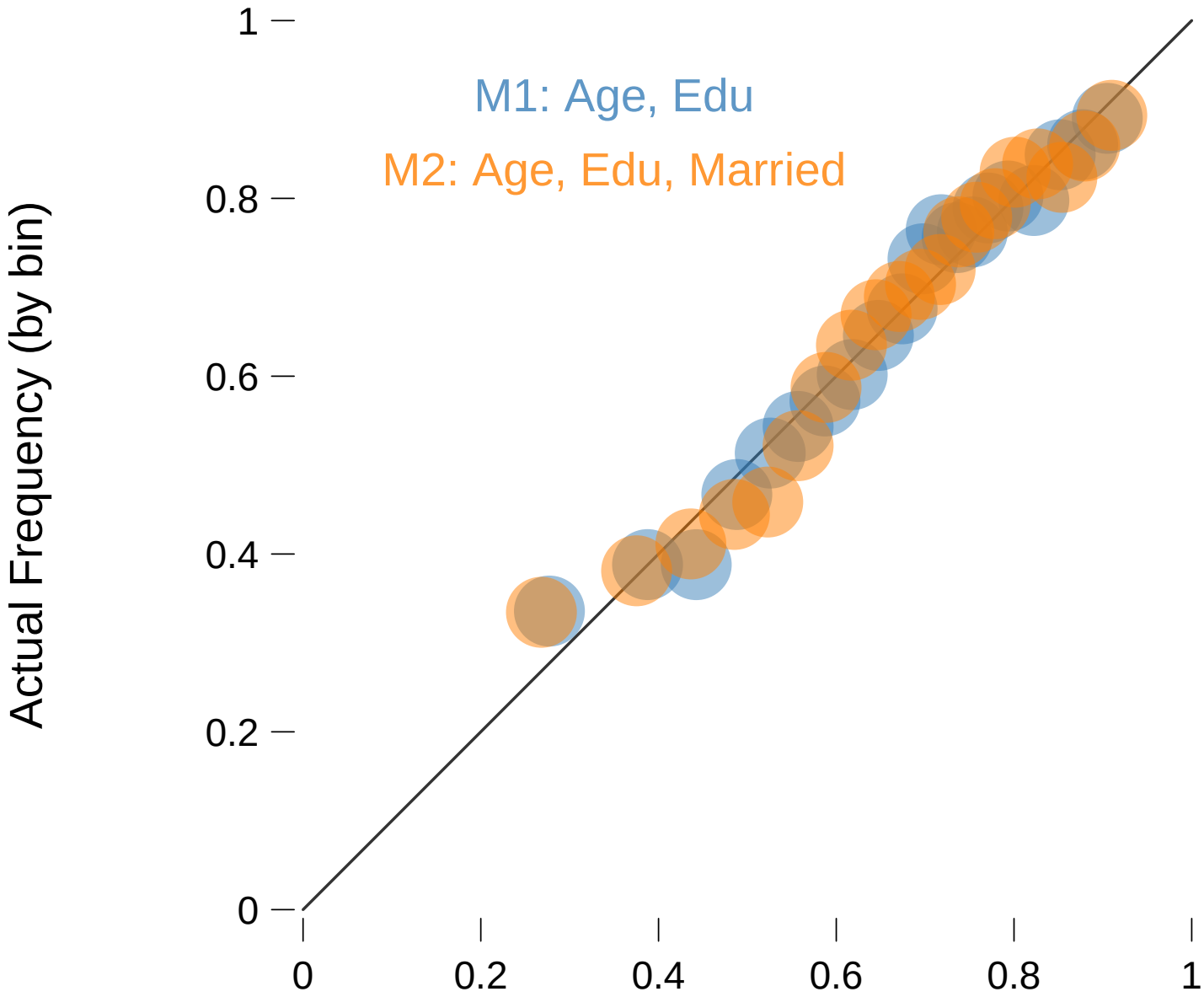
simcf and tile

- 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`.

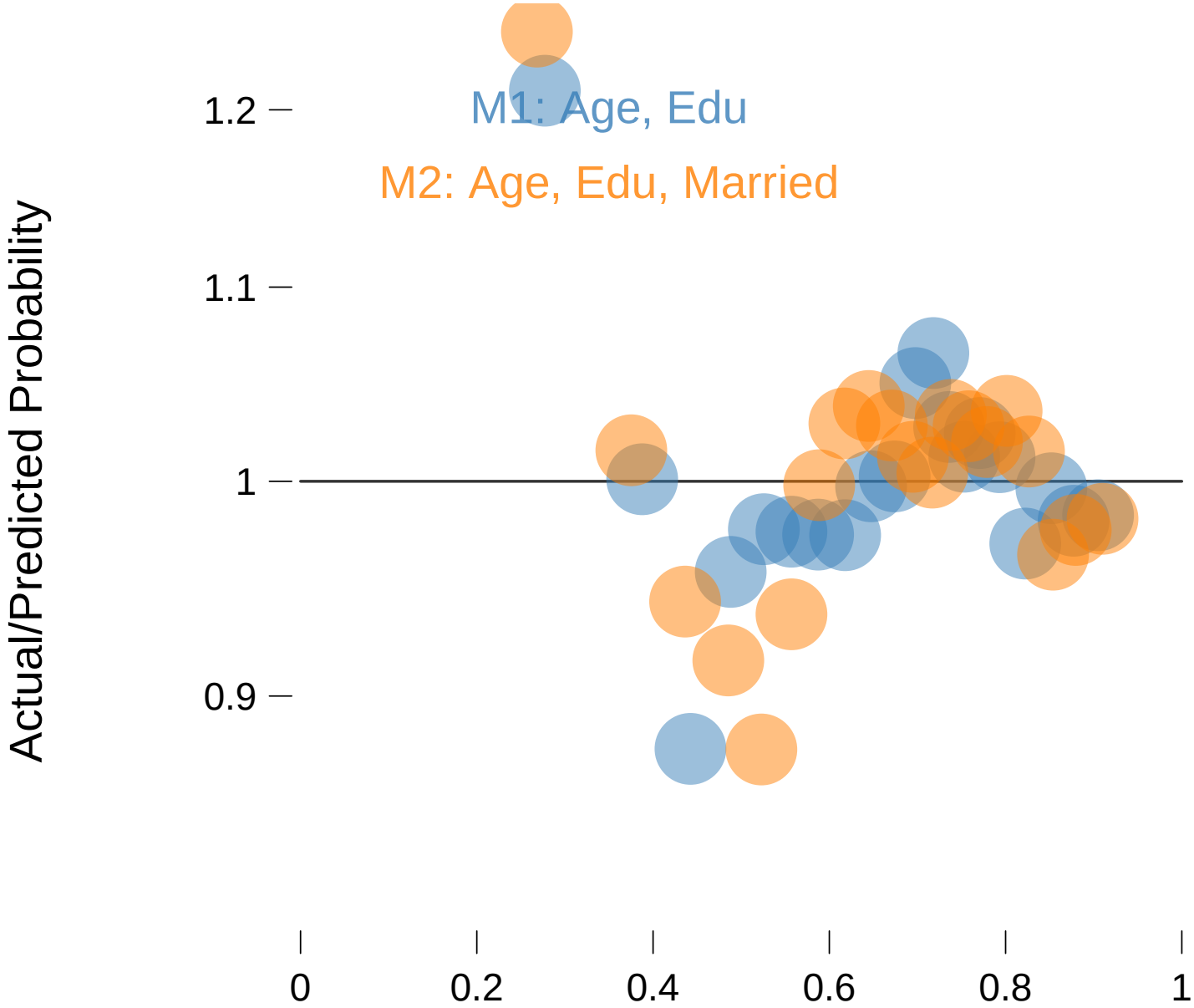
Preview: Separation Plots



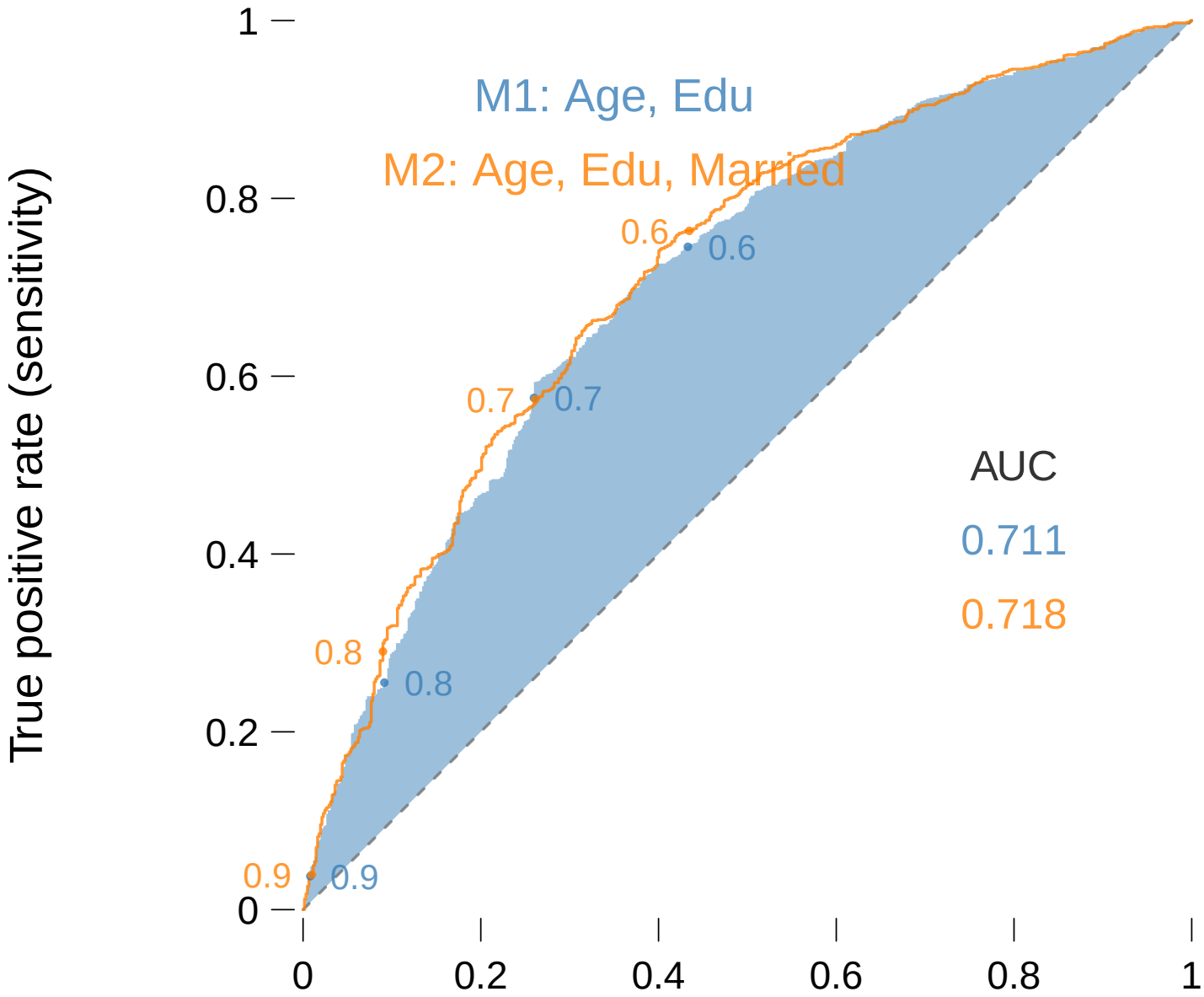
Preview: Actual vs. Predicted Plots



Preview: Error vs. Predicted Plots



Preview: ROC Plots



F I N