

Homework # 4

Biostatistics 210

DUE November 24, 2009

0. BACKGROUND

This assignment will give you practice in validating a prognostic model.

1. DOWNLOAD

Download the dataset hw4.dta from the website. It is a validation dataset which contains the variables from the original dataset and results of the fit to the data described in Lecture 8. That model, uses age (< 45, 45-55, > 55), bilirubin (<1 , 1-3, >3) and copper (< 50, 50-100, > 100). In addition, it contains

- linear_pred (linear predictor based on the model)
- points (simplified point system which mimics the linear predictor)
- pred_prob (predicted probability based on the model)

2. ASSIGNMENT

Your assignment is to use the techniques discussed in Lecture 8 to validate the derived model (using linear_pred, points, pred_prob) -- assessing discrimination and calibration of the model in the hw4.dta validation dataset.