

Post-analysis of predictive modeling with an epidemiological example

Christina Brester^a, Ari Voutilainen^b, Tomi-Pekka Tuomainen^b, Jussi Kauhanen^b, Mikko Kolehmainen^a

^aDepartment of Environmental and Biological Sciences, University of Eastern Finland, Yliopistonranta 1 E, P.O. Box 1627, FI-70211 Kuopio, Finland;

^bInstitute of Public Health and Clinical Nutrition, University of Eastern Finland, Yliopistonranta 1 C, P.O. Box 1627, FI-70211 Kuopio, Finland

Corresponding author: Christina Brester, Yliopistonranta 1 E, P.O. Box 1627, FI-70211 Kuopio, Finland

+358449669095, kristina.brester@uef.fi, christina.brester@gmail.com

Supplementary Material

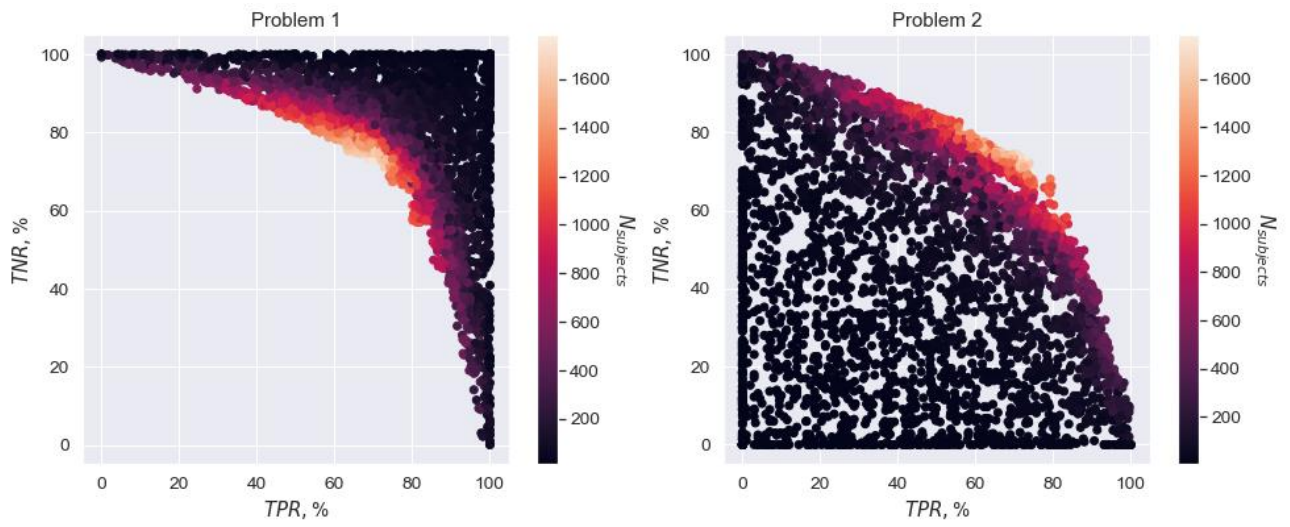


Figure S1: The initial sets of rules generated when solving Problems 1 and 2. Each point corresponds to one rule in the criterion space TPR-TNR, wherein a color indicates the number of subjects covered by the rule.

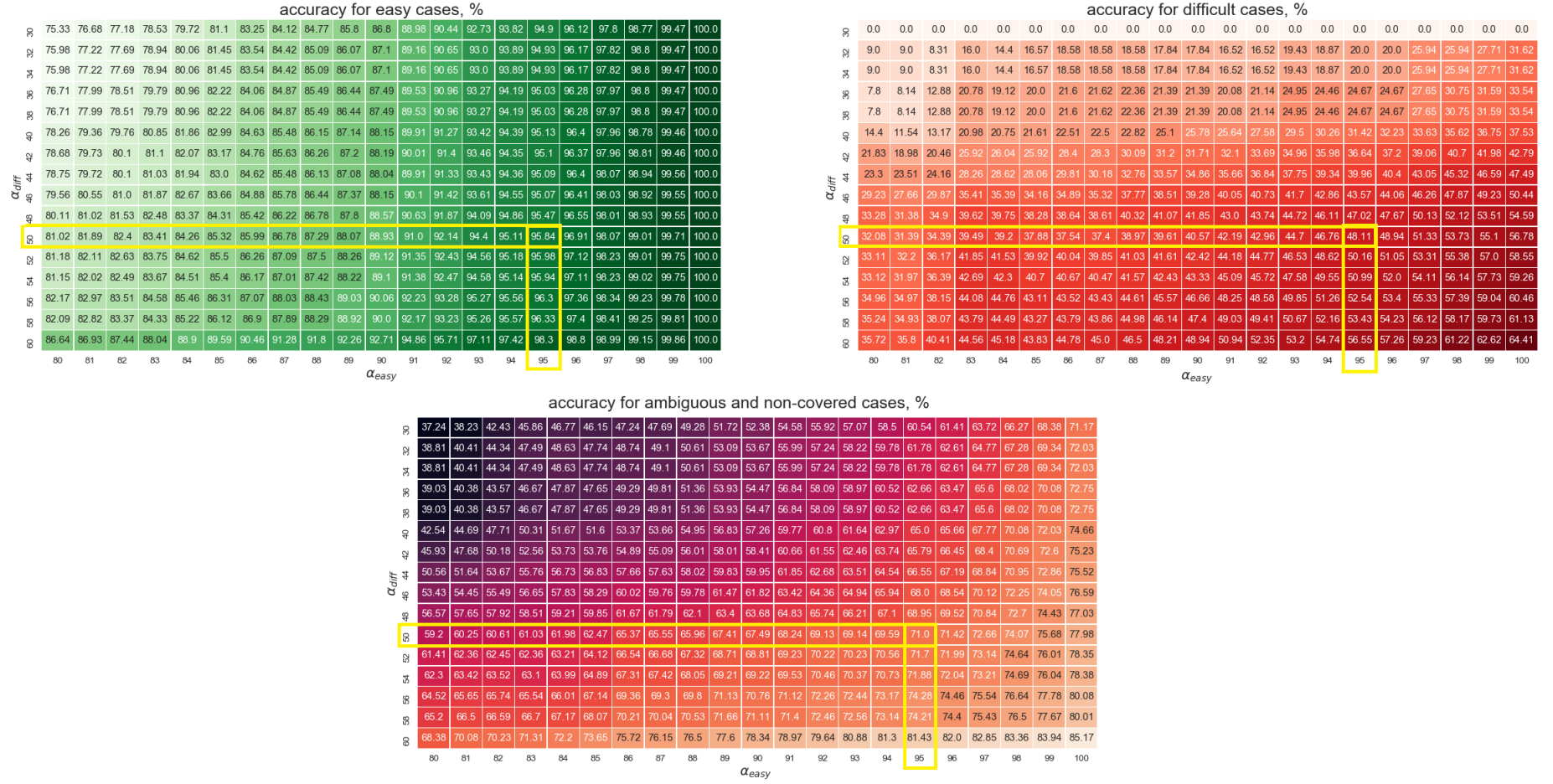


Figure S2: The overall accuracy for “easy”, “difficult”, “ambiguous” and “non-covered” subjects averaged over 50 runs of 5-fold cross-validation for different values of the thresholds α_{easy} and α_{diff} .

