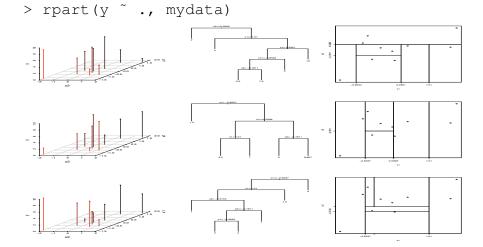
> y <- runif(NROW(mydata))</pre>

Matching and ATT Estimation via Random Recursive Partitioning

Wien April 2006



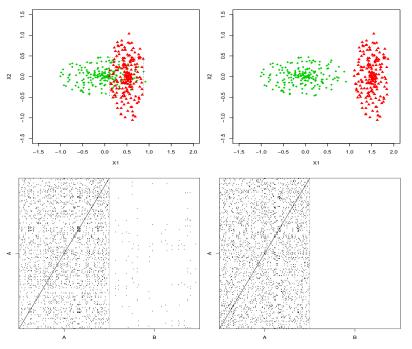
RRP is non standard application of CART: we grow CART's with

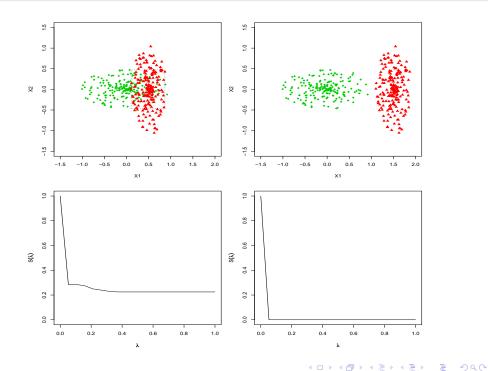
What is RRP for?

At each random partition we set $\pi_{ij} = 1$ if obs. i and j are in the same cell. At the end we average out.

This way we generate a proximity matrix (but this is not Leo Breiman's proximity in RandomForest) that can be used in:

- analysis of the common support between dataset (how much do they overlap?)
- matching and ATT estimation
- supervised and unsupervised classification
- (hot-deck) missing data imputation





The RRP package

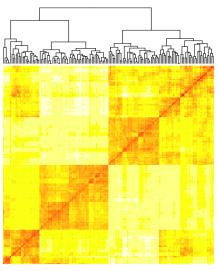
rrp.dist dissimilarity matrix, obj of class 'dist' rrp.class nearest neighbor classifier rrp.predict nearest neighbor predictor hot-deck nearest neighbor imputation

Related papers at

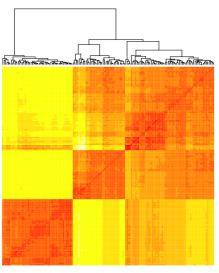
http://services.bepress.com/unimi



RRP vs Euclidean clustering on Iris data (average link)







Euclidean
14 miss-classified

