1 Problem Description and Modeling Objective

In the paper "Estimating treatment effect heterogeneity in randomized program evaluation,"[1] the authors are concerned with "treatment effect heterogeneity" which they define as "the degree to which different treatments have differential causal effects on each unit." Estimation of treatment effect heterogeneity is also important when (1) selecting the most effective treatment among a large number of available treatments, (2) designing optimal treatments for sub-groups of units, (3) testing the existence of treatment effect heterogeneity, and (4) generalizing causal effect estimates from a sample to a target population.

2 Data Description and Availability of Dataset

The `R` package `FindIt` includes the data analyzed in the paper.[2]

3 Model and Methods Description

References

[1] Kosuke Imai and Marc Ratkovic. Estimating treatment effect heterogeneity in randomized program evaluation. *The Annals of Applied Statistics*, 7(1), March 2013.

[2] Marc Ratkovic and Kosuke Imai. Findit: R package for finding heterogeneous treatment effects, 2012. Available at Comprehensive R Archive Network (CRAN).