

Online Supplementary Materials for “The Statistics of Causal Inference: A View from Political Methodology”

Software Details

Below I list software tools and links for many of the types of analyses discussed in the essay.

Matching

- Integer Programming Matching (Zubizarreta 2012) <http://www.columbia.edu/~jz2313/>
- Genetic Matching (Sekhon 2011) <http://sekhon.berkeley.edu/matching/>
- Optimal Matching (Hansen 2007) <http://www.r-bloggers.com/using-optmatch-and-ritools-for-observational-studies/>
- Coarsened Exact Matching (Iacus, King and Porro 2009) <http://gking.harvard.edu/files/abs/cemR-abs.shtml>
- MatchIt (Ho et al. 2007) <http://gking.harvard.edu/matchit>

Sensitivity Analysis

- The `rbounds` package (Keele 2013) <http://www.personal.psu.edu/ljk20/rbounds%20vignette.pdf>
- The `causalsens` package (Blackwell 2014) <http://www.mattblackwell.org/software/causalsens/>

Weighting

- The `ipw` package (van der Wal and Geskus 2011) <http://www.jstatsoft.org/v43/i13/paper>
- The `causalGAM` package (Glynn and Quinn 2010*b,a*) <http://cran.r-project.org/web/packages/CausalGAM/CausalGAM.pdf>

RD Designs

- A suite of software tools. (Calonico, Cattaneo and Titiunik 2014) <https://sites.google.com/a/umich.edu/rdrobust/>
- A software function (Imbens and Kalyanaraman 2012) <http://faculty-gsb.stanford.edu/imbens/RegressionDiscontinuity.html>

Mediation

- The mediation package (Tingley et al. 2014) <http://cran.r-project.org/web/packages/mediation/vignettes/mediation.pdf>
- Some software macros (Valeri and VanderWeele 2013) <http://www.hsph.harvard.edu/tyler-vanderweele/tools-and-tutorials/>

References

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