This contains a full bibliography for every software package used in The Effect. This includes every package mentioned in the book, used in any code examples, or used in the code that created the book. LaTeX packages are not included. Apologies if any details are wrong for the non-R packages, as these packages generally do not come with citation information embedded.

References

Abadie, Alberto, Alexis Diamond, and Jens Hainmueller. 2011. Synth: An R package for synthetic control methods in comparative case studies. *Journal of Statistical Software* 42(13):1–17.

———. 2020. Synth: Stata module to implement synthetic control methods for comparative case studies.

Arel-Bundock, Vincent. *modelsummary: Summary tables and plots for statistical models and data: Beautiful, customizable, and publication-ready.* R package version 0.6.6.

Bates, Douglas, Martin Mächler, Ben Bolker, and Steve Walker. 2015. Fitting linear mixed-effects models using lme4. *Journal of Statistical Software* 67(1): 1–48.

Bergé, Laurent. 2018. Efficient estimation of maximum likelihood models with multiple fixed-effects: the R package FENmlm. *CREA Discussion Papers* (13).

Blackwell, Matthew, Stefano Iacus, Gary King, and Giuseppe Porro. 2009. cem: Coarsened exact matching in stata. *The Stata Journal* 9(4):524–546.

Bodory, Hugo, and Martin Huber. 2020. *causalweight: Estimation methods for causal inference based on inverse probability weighting.* R package version 1.0.0.

Brathwaite, Timothy, and Joan L Walker. 2018. Asymmetric, closed-form, finite-parameter models of multinomial choice. *Journal of choice modelling* 29: 78–112.

Bryan, Jennifer. 2017. *gapminder: Data from gapminder.* R package version 0.3.0.

Burke, Matthew. 2021. Stargazer: A python port of the r stargazer package.

Callaway, Brantly, and Pedro H.C. Sant'Anna. 2020. Difference-in-differences with multiple time periods. *Forthcoming at the Journal of Econometrics.*

Calonico, Sebastian, Matias D Cattaneo, Max H Farrell, and Rocio Titiunik. 2017. rdrobust: Software for regression-discontinuity designs. *The Stata Journal* 17(2):372–404.

Calonico, Sebastian, Matias D. Cattaneo, Max H. Farrell, and Rocio Titiunik. 2021. *rdrobust: Robust data-driven statistical inference in regression-discontinuity designs.* R package version 1.0.1.

Canty, Angelo, and B. D. Ripley. 2021. *boot: Bootstrap r (s-plus) functions.* R package version 1.3-27.

Cattaneo, Matias D., Michael Jansson, and Xinwei Ma. 2021a. *rddensity: Manipulation testing based on density discontinuity.* R package version 2.2.

Cattaneo, Matias D, Rocio Titiunik, and Gonzalo Vazquez-Bare. 2019. Power calculations for regression-discontinuity designs. *The Stata Journal* 19(1): 210–245.

———. 2020a. rdmulti: Rd designs with multiple cutoffs or multiple scores.

Cattaneo, Matias D., Rocio Titiunik, and Gonzalo Vazquez-Bare. 2020b. *rdpower: Power calculations for rd designs.* R package version 2.0.

———. 2021b. *rdmulti: Analysis of rd designs with multiple cutoffs or scores.* R package version 0.7.

Chang, Winston. 2014. *extrafont: Tools for using fonts.* R package version 0.17.

Chaussé, Pierre. 2010. Computing generalized method of moments and generalized empirical likelihood with R. *Journal of Statistical Software* 34(11): 1–35.

Chen, Shuowen, Victor Chernozhukov, Ivan Fernandez-Val, and Ye Luo. 2021. *Sortedeffects: Estimation and inference methods for sorted causal effects and classification analysis.* R package version 1.3.0.

Chiapello, Mattia. 2018. Balancetable: Stata module to build a balance table and print it in a latex file or an excel file.

Correia, Sergio. 2018. Ivreghdfe: Stata module for extended instrumental variable regressions with multiple levels of fixed effects.

Correia, Sergio, et al. 2016. reghdfe: Estimating linear models with multi-way fixed effects. In *2016 stata conference.* 24, Stata Users Group.

Dancho, Matt, and Davis Vaughan. 2021. *tidyquant: Tidy quantitative financial analysis.* R package version 1.0.3.

Dunford, Eric. 2021. *tidysynth: A tidy implementation of the synthetic control method.* R package version 0.1.0.

Fernihough, Alan. 2019. *mfx: Marginal effects, odds ratios and incidence rate ratios for glms.* R package version 1.2-2.

Finlay, Keith, Leandro Magnusson, and Mark Schaffer. 2014. Weakiv10: Stata module to perform weak-instrument-robust tests and confidence intervals for instrumental-variable (iv) estimation of linear, probit and tobit models.

Fox, John, and Sanford Weisberg. 2019. *An R companion to applied regression.* 3rd ed. Thousand Oaks CA: Sage.

Friedman, Jerome, Trevor Hastie, and Robert Tibshirani. 2010. Regularization paths for generalized linear models via coordinate descent. *Journal of Statistical Software* 33(1):1–22.

Galiani, Sebastian, and Brian Quistorff. 2017. The synth_runner package: Utilities to automate synthetic control estimation using synth. *The Stata Journal* 17(4):834–849.

Gaure, Simen. 2013. lfe: Linear group fixed effects. *The R Journal* 5(2):104–117. User documentation of the 'lfe' package.

Gautier, Laurent. rpy2-r in python.

Genz, Alan, Frank Bretz, Tetsuhisa Miwa, Xuefei Mi, Friedrich Leisch, Fabian Scheipl, and Torsten Hothorn. 2020. *mvtnorm: Multivariate normal and t distributions.* R package version 1.1-1.

Grolemund, Garrett, and Hadley Wickham. 2011. Dates and times made easy with lubridate. *Journal of Statistical Software* 40(3):1–25.

Hainmueller, Jens. 2014. *ebal: Entropy reweighting to create balanced samples.* R package version 0.1-6.

Hainmueller, Jens, and Yiqing Xu. 2013. Ebalance: A stata package for entropy balancing. *Journal of Statistical Software* 54(7).

Harris, Charles R., K. Jarrod Millman, Stéfan J van der Walt, Ralf Gommers, Pauli Virtanen, David Cournapeau, Eric Wieser, Julian Taylor, Sebastian Berg, Nathaniel J. Smith, Robert Kern, Matti Picus, Stephan Hoyer, Marten H. van Kerkwijk, Matthew Brett, Allan Haldane, Jaime Fernández del Río, Mark Wiebe, Pearu Peterson, Pierre Gérard-Marchant, Kevin Sheppard, Tyler Reddy, Warren Weckesser, Hameer Abbasi, Christoph Gohlke, and Travis E. Oliphant. 2020. Array programming with NumPy. *Nature* 585: 357–362.

Henry, Lionel, and Hadley Wickham. 2020. *purrr: Functional programming tools.* R package version 0.3.4.

Hocking, Toby Dylan. 2021. *directlabels: Direct labels for multicolor plots.* R package version 2021.1.13.

Hunter, John D. 2007. Matplotlib: A 2d graphics environment. *IEEE Annals of the History of Computing* 9(03):90–95.

Huntington-Klein, Nick. *vtable: Variable table for variable documentation.* R package version 1.3.1.

———. 2020. Mlrtime:a stata package that allows you to access certain machine learning commands and packages in r. Https://github.com/NickCH-K/did.

———. 2021. A stata wrapper for callaway and sant'anna's r package did. Https://github.com/NickCH-K/did.

Iacus, Stefano M., Gary King, Giuseppe Porro, and Richard Nielsen. 2020. *cem: Coarsened exact matching.* R package version 1.1.27.

Jann, Ben. 2019. Estout: Stata module to make regression tables.

Jiang, Yang, and Dylan Small. 2014. *ivpack: Instrumental variable estimation.* R package version 1.2.

Kalainathan, Diviyan, Olivier Goudet, and Ritik Dutta. 2020. Causal discovery toolbox: Uncovering causal relationships in python. *Journal of Machine Learning Research* 21(37):1–5.

Kalisch, Markus, Martin Mächler, Diego Colombo, Marloes H. Maathuis, and Peter Bühlmann. 2012. Causal inference using graphical models with the R package pcalg. *Journal of Statistical Software* 47(11):1–26.

Kang, Hyunseung, Yang Jiang, Qingyuan Zhao, and Dylan Small. 2021. *ivmodel: Statistical inference and sensitivity analysis for instrumental variables model.* R package version 1.9.0.

Kaspereit, Thomas. 2020. Eventstudy2: Stata module to perform event studies with complex test statistics.

Kassambara, Alboukadel. 2020. *ggpubr: 'ggplot2' based publication ready plots.* R package version 0.4.0.

Kleiber, Christian, and Achim Zeileis. 2008. *Applied econometrics with R.* New York: Springer-Verlag. ISBN 978-0-387-77316-2.

Kolesar, Michal. 2021. *Rdhonest: Honest inference in regression discontinuity designs.* R package version 0.3.2.

Leeper, Thomas J. 2021. *margins: Marginal effects for model objects.* R package version 0.3.26.

Long, Jacob A. 2020. *jtools: Analysis and presentation of social scientific data.* R package version 2.1.0.

Lumley, Thomas. 2020. survey: analysis of complex survey samples. R package version 4.0.

Mander, Adrian. 2014. Lars: Stata module to perform least angle regression.

McKinney, Wes, et al. 2010. Data structures for statistical computing in python. In *Proceedings of the 9th python in science conference*, vol. 445, 51–56. Austin, TX.

Missing. 2020. itertools: Functions for creating efficient looping.

O'Hara-Wild, Mitchell, Rob Hyndman, and Earo Wang. 2021. *fable: Forecasting models for tidy time series*. R package version 0.3.0.

Oprescu, Miruna, Vasilis Syrgkanis, Keith Battocchi, Maggie Hei, and Greg Lewis. Econml: A machine learning library for estimating heterogeneous treatment effects.

P, Filippou, Marra G, and Radice R. 2017. Penalized likelihood estimation of a trivariate additive probit model. *Biostatistics*.

Pedregosa, Fabian, Gaël Varoquaux, Alexandre Gramfort, Vincent Michel, Bertrand Thirion, Olivier Grisel, Mathieu Blondel, Peter Prettenhofer, Ron Weiss, Vincent Dubourg, et al. 2011. Scikit-learn: Machine learning in python. *the Journal of machine Learning research* 12:2825–2830.

Robinson, David, Alex Hayes, and Simon Couch. 2021. *broom: Convert statistical objects into tidy tibbles*. R package version 0.7.6.

Roodman, David, Morten Ørregaard Nielsen, James G MacKinnon, and Matthew D Webb. 2019. Fast and wild: Bootstrap inference in stata using boottest. *The Stata Journal* 19(1):4–60.

Rudnytskyi, Iegor. 2020. *estudy2: An implementation of parametric and non-parametric event study*. R package version 0.9.2.

Sant'Anna, Pedro H. C., and Jun Zhao. 2020. Doubly robust difference-in-differences estimators. *Journal of Econometrics* 219:101–122.

Seabold, Skipper, and Josef Perktold. 2010. Statsmodels: Econometric and statistical modeling with python. In *Proceedings of the 9th python in science conference*, vol. 57, 61. Austin, TX.

Sekhon, Jasjeet S. 2011. Multivariate and propensity score matching software with automated balance optimization: The Matching package for R. *Journal of Statistical Software* 42(7):1–52.

Sheppard, Kevin. 2020. Linear (regression) models for python.

Slowikowski, Kamil. 2021. *ggrepel: Automatically position non-overlapping text labels with 'ggplot2'*. R package version 0.9.1.

Stepner, Michael. 2013. Binscatter: Stata module to generate binned scatterplots.

Sun, Liyang. 2020. eventstudyinteract: a stata package that implements the interaction weighted estimator for an event study. Https://github.com/lsun20/EventStudyInteract.

Taha, Zaghdoudi. 2018. *ivprobit: Instrumental variables probit model.* R package version 1.1.

Thorpe, Jason, Brian Quistorff, and Matt Goldman.

Tibshirani, Julie, Susan Athey, and Stefan Wager. 2020. *grf: Generalized random forests.* R package version 1.2.0.

Toomet, Ott, and Arne Henningsen. 2008. Sample selection models in R: Package sampleSelection. *Journal of Statistical Software* 27(7).

Urbanek, Simon, and Jeffrey Horner. 2020. *Cairo: R graphics device using cairo graphics library for creating high-quality bitmap (png, jpeg, tiff), vector (pdf, svg, postscript) and display (x11 and win32) output.* R package version 1.5-12.2.

Waskom, Michael L. 2021. Seaborn: statistical data visualization. *Journal of Open Source Software* 6(60):3021.

Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Grolemund, Alex Hayes, Lionel Henry, Jim Hester, Max Kuhn, Thomas Lin Pedersen, Evan Miller, Stephan Milton Bache, Kirill Müller, Jeroen Ooms, David Robinson, Dana Paige Seidel, Vitalie Spinu, Kohske Takahashi, Davis Vaughan, Claus Wilke, Kara Woo, and Hiroaki Yutani. 2019. Welcome to the tidyverse. *Journal of Open Source Software* 4(43):1686.

Wickham, Hadley, and Evan Miller. 2020. *haven: Import and export 'spss', 'stata' and 'sas' files.* R package version 2.3.1.

Wilke, Claus O. 2020. *cowplot: Streamlined plot theme and plot annotations for 'ggplot2'.* R package version 1.1.1.

Wong, Laurence. 2014. Causalinference: Various statistical and econometric methods used in causal inference.

Wuertz, Diethelm, Tobias Setz, Yohan Chalabi, Chris Boudt, Pierre Chausse, and Michal Miklovac. 2020. *fgarch: Rmetrics - autoregressive conditional heteroskedastic modelling.* R package version 3042.83.2.

Xu, Yiqing, and Licheng Liu. 2018. *gsynth: Generalized synthetic control method.* R package version 1.0.9.

Yutani, Hiroaki. 2020. *gghighlight: Highlight lines and points in 'ggplot2'.* R package version 0.3.1.

Zeileis, Achim, Susanne Köll, and Nathaniel Graham. 2020. Various versatile variances: An object-oriented implementation of clustered covariances in R. *Journal of Statistical Software* 95(1):1–36.