

Parameters of Interest

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Housekeeping

Since nearly all of you choose to review experimental studies. Please be sure to read ...

- ▶ Deaton, A. (2009). Instruments of development: Randomization in the tropics, and the search for the elusive keys to economic development. *NBER Working Paper*, 14690
- ▶ Imbens, G. W. (2010). Better late than nothing: Some comments on deaton (2009) and heckman & urzua (2009). *Journal of Economic Literature*, 48(2):399–423
- ▶ Heckman, J. J. and Urzúa, S. (2010). Comparing iv with structural models: What simple iv can and cannot identify. *Journal of Econometrics*, 156(1):27–37

Figure: Conditional Expectation and Essential Heterogeneity

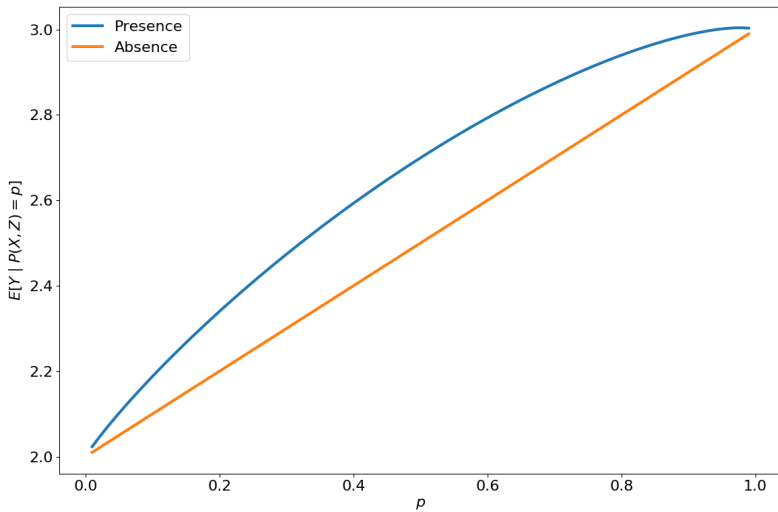


Figure: Marginal Treatment Effect and Essential Heterogeneity

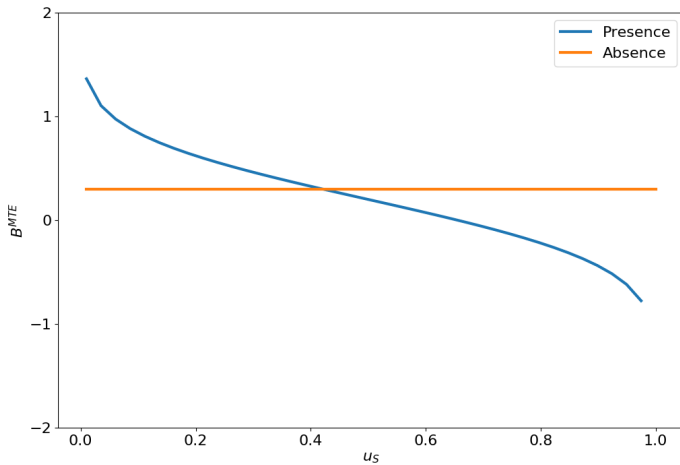


Figure: Weights for Conventional Treatment Effect Parameters

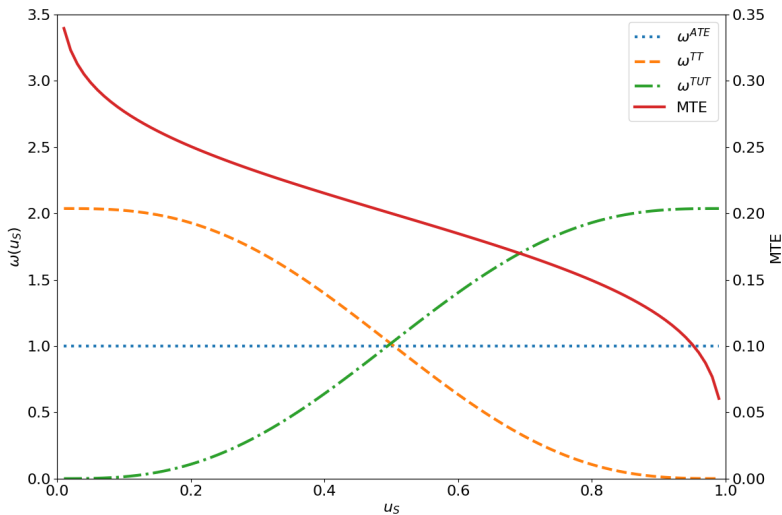


Figure: Distribution of Conventional Effects

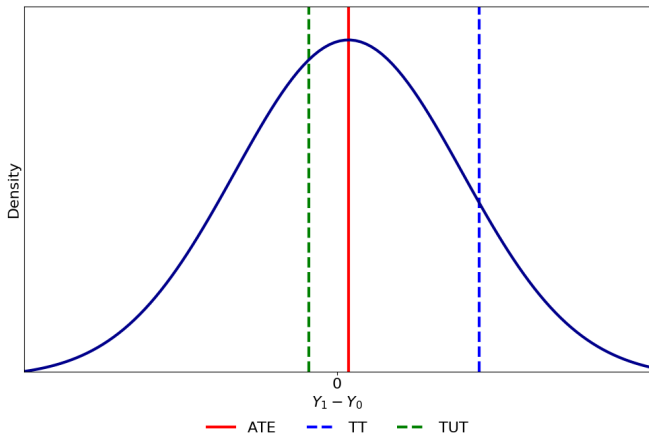


Figure: Distribution of Effects with Essential Heterogeneity

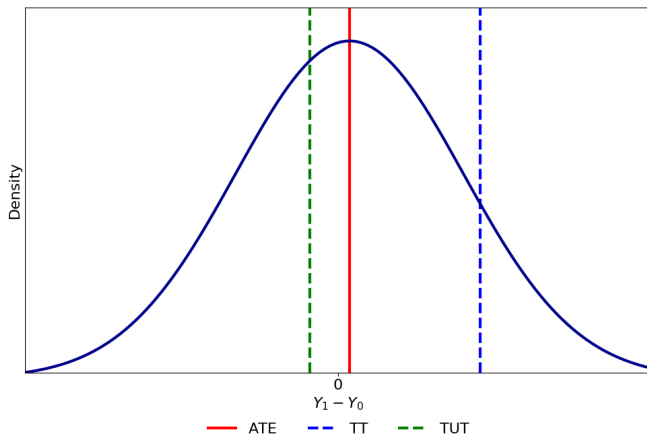


Figure: Distribution of Effects without Essential Heterogeneity

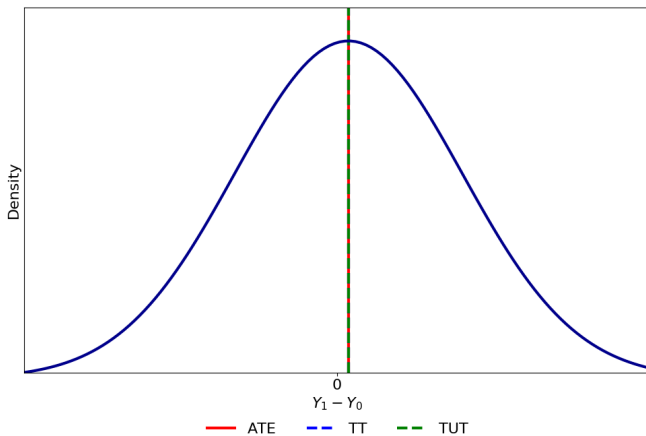


Figure: Distribution of Benefits

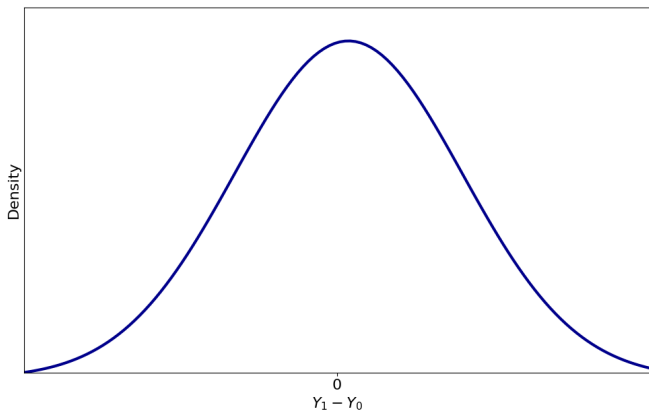


Figure: Distribution of Benefits by Treatment Status

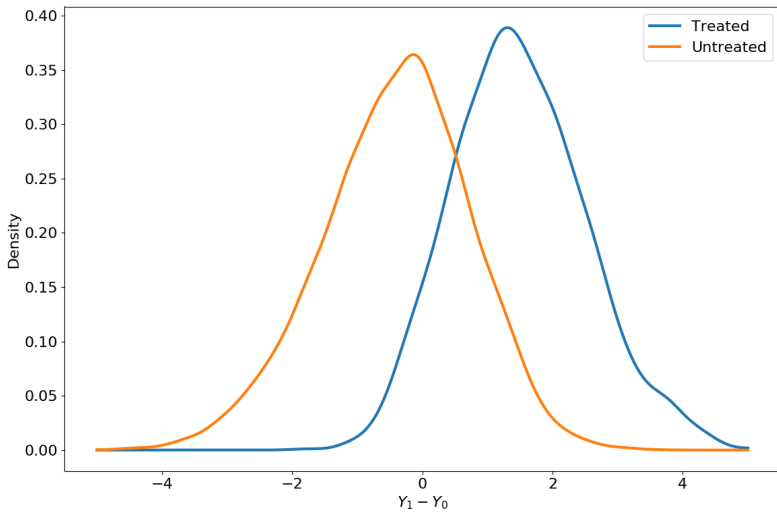


Figure: Distribution of Benefits by Policy

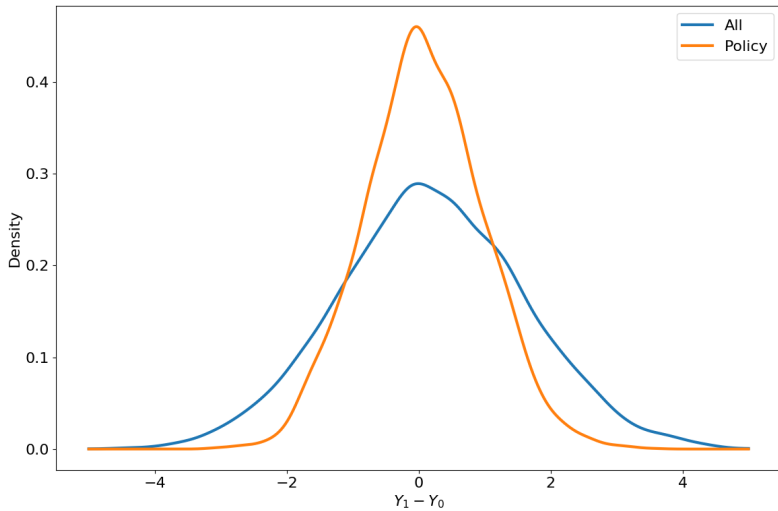


Figure: Distribution of Potential Outcomes

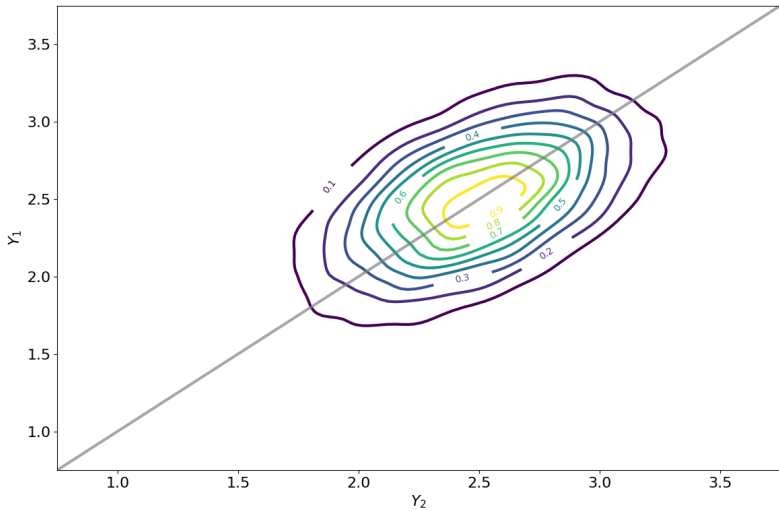


Figure: Distribution of Benefits and Surplus

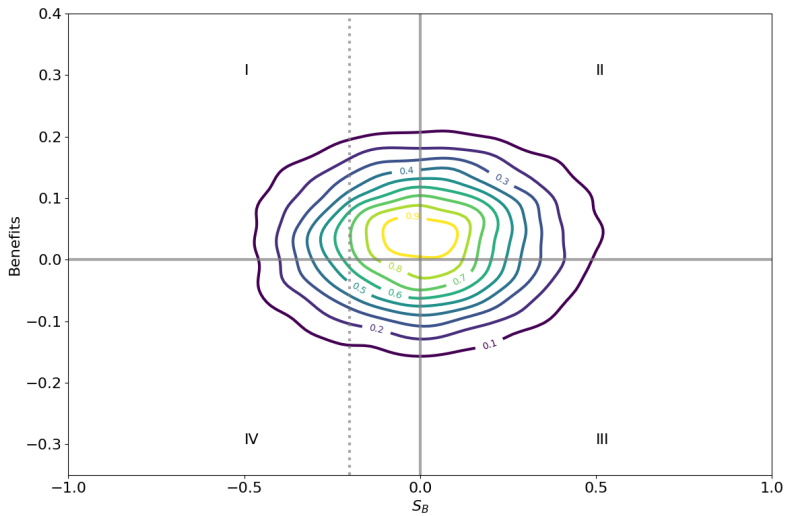


Figure: Margin of Indifference

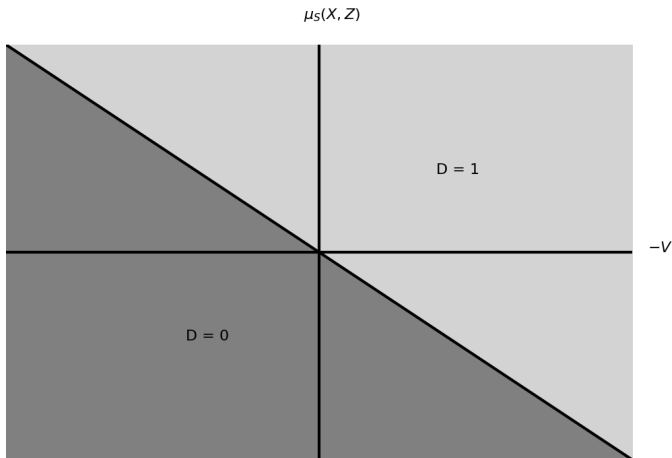
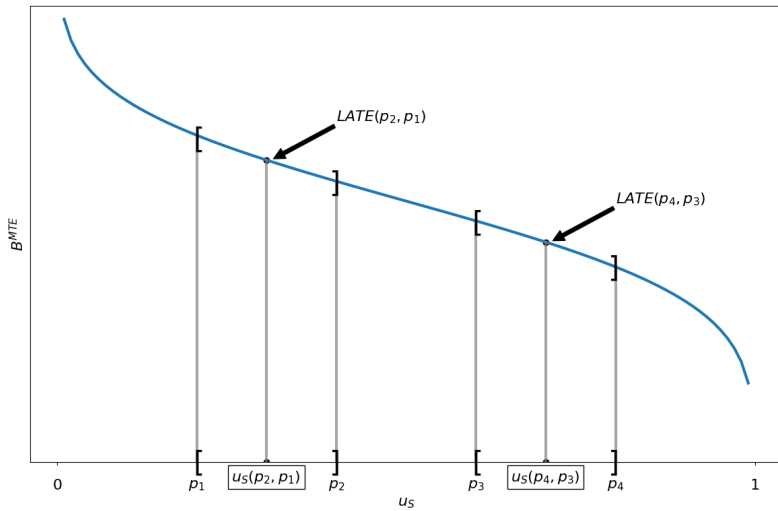


Figure: Local Average Treatment Effect



Appendix

References

- Carneiro, P., Heckman, J. J., and Vytlacil, E. J. (2011). Estimating marginal returns to education. *American Economic Review*, 101(6):2754–2781.
- Deaton, A. (2009). Instruments of development: Randomization in the tropics, and the search for the elusive keys to economic development. *NBER Working Paper*, 14690.
- Heckman, J. J. (1990). Selection bias and self-selection. In Eatwell, J., Milgate, M., and Newman, P., editors, *Econometrics*, The New Palgrave Economics Collection, pages 201–224. Palgrave Macmillan, London.

Heckman, J. J. and Taber, C. (2010). Roy model. In Blume, L. E. and Durlauf, S. N., editors, *Microeconometrics*, The New Palgrave Economics Collection, pages 221–228. Palgrave Macmillan, London.

Heckman, J. J. and Urzúa, S. (2010). Comparing iv with structural models: What simple iv can and cannot identify. *Journal of Econometrics*, 156(1):27–37.

Imbens, G. W. (2010). Better late than nothing: Some comments on deaton (2009) and heckman & urzua (2009). *Journal of Economic Literature*, 48(2):399–423.