Microeconometrics ä reading list

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1 Introduction

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2 Causal Graph

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- Spirtes, P. (2010). Introduction to causal inference. *Journal of Machine Learning Research*, 11(54)
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- Kasy, M. (2016). Why experimenters might not always want to randomize, and what they could do instead. *Political Analysis*, 24(3)
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- Liu, L., Mukherjee, R., and Robins, J. M. (2020). On nearly assumption-free tests of nominal confidence interval coverage for causal parameters estimated by machine learning. *Statistical Science*, 35(3)

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- Athey, S. and Imbens, G. (2016). Recursive partitioning for heterogeneous causal effects. Proceedings of the National Academy of Sciences, 113(27)
- Wager, S. and Athey, S. (2018). Estimation and inference of heterogeneous treatment effects using random forests. *Journal of the American Statistical Association*, 113(523)
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6 High-dimensional Methods

Method

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- Zhang, C.-H. and Zhang, S. S. (2014). Confidence intervals for low dimensional parameters in high dimensional linear models. *Journal of the Royal Statistical Society. Series B (Statistical Methodology)*, 76(1)
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- Belloni, A., Chernozhukov, V., Hansen, C., and Kozbur, D. (2016). Inference in high-dimensional panel models with an application to gun control. *Journal of Business & Economic Statistics*, 34(4)
- Hansen, B. (2016). Efficient shrinkage in parametric models. Journal of Econometrics, 190(1)
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- Dukes, O. and Vansteelandt, S. (2021). Inference for treatment effect parameters in potentially misspecified high-dimensional models. *Biometrika*, 108(2)

7 Matching

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8 Propensity Score Methods

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- Hirano, K. and Imbens, G. W. (2001). Estimation of causal effects using propensity score weighting: An application to data on right heart catheterization. *Health Services and Outcomes Research Methodology*, 2(3)

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- Ning, Y., Sida, P., and Imai, K. (2020). Robust estimation of causal effects via a high-dimensional covariate balancing propensity score. *Biometrika*, 107(3)

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9 Ensemble Methods

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10 Instrumental Variables

Method

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11 Difference-in-Differences

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