# Microeconometrics ä reading list

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### 1 Introduction

- Imbens, G. W. and Wooldridge, J. M. (2009). Recent developments in the econometrics of program evaluation. *Journal of Economic Literature*, 47(1)
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- Abadie, A. and Cattaneo, M. D. (2018). Econometric methods for program evaluation. Annual Review of Economics, 10(1)
- Athey, S. and Imbens, G. W. (2019). Machine learning methods that economists should know about. *Annual Review of Economics*, 11(1)
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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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- Wager, S., Du, W., Taylor, J., and Tibshirani, R. J. (2016). High-dimensional regression adjustments in randomized experiments. *Proceedings of the National Academy of Sciences*, 113(45)
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- Bouguen, A., Huang, Y., Kremer, M., and Miguel, E. (2019). Using randomized controlled trials to estimate long-run impacts in development economics. Annual Review of Economics, 11(1)
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- Kasy, M. and Sautmann, A. (2021). Adaptive treatment assignment in experiments for policy choice. *Econometrica*, 89(1)

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- Caria, S., Gordon, G., Kasy, M., Quinn, S., Shami, S., and Teytelboym, A. (2020). An adaptive targeted field experiment: Job search assistance for refugees in jordan. *CESifo Working Paper No.* 8535

# 4 Treatment Effects under Unconfoundedness

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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)
- Semenova, V. and Chernozhukov, V. (2020). Debiased machine learning of conditional average treatment effects and other causal functions. *The Econometrics Journal*, 24(2)

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## 5 Heterogeneous Treatment Effects

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- 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

- Fan, J. and Li, R. (2001). Variable selection via nonconcave penalized likelihood and its oracle properties. *Journal of the American Statistical Association*, 96(456)
- Zou, H. (2006). The adaptive lasso and its oracle properties. *Journal of the American Statistical Association*, 101(476)
- Belloni, A., Chernozhukov, V., and Wang, L. (2011). Square-root lasso: pivotal recovery of sparse signals via conic programming. *Biometrika*, 98(4)
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- Belloni, A. and Chernozhukov, V. (2013). Least squares after model selection in high-dimensional sparse models. *Bernoulli*, 19(2)
- 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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- Ho, D. E., Imai, K., King, G., and Stuart, E. A. (2007). Matching as nonparametric preprocessing for reducing model dependence in parametric causal inference. *Political Analysis*, 15(3)
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- Colak, G. and Whited, T. (2007). Spin-offs, divestitures, and conglomerate investment. *Review of Financial Studies*, 20(3)

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### 10 Instrumental Variables

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#### 11 Difference-in-Differences

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