

Graduate School in Economics and Management (GSEM) 2011-2012

MICROECONOMETRICS

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EXAMINATION POLICY

All students will take a written examination. Additional marks will be awarded to students who present selected papers in front of the class at the end of the course.

REFERENCES

1. Panel Data econometrics (12 hours) **GW** Linear panel data models (static and dynamic), grouping estimators, the diff-in-diff (difference in differences) estimator.

Angrist, Joshua D. and Jörn-Steffen Pischke (2009). *Mostly Harmless Econometrics*, Chapter 5, pp.227-243.

Cameron, A. Colin and Pravin K. Trivedi (2005). *Microeconometrics*, Chapters 21 and 22.

Alessie, Rob, Stefan Hochguertel and Guglielmo Weber (2005). "Consumer Credit: Evidence from Italian Micro Data", *Journal of the European Economic Association*, 3(1), 144-178.

Angrist, Joshua D. (1990). "Lifetime Earnings and the Vietnam Era Draft Lottery: Evidence from Social Security Administrative Records", *American Economic Review*, 80(3), 313-336.

Angrist, Joshua D. and Alan B. Krueger (1999). "Empirical Strategies in Labor Economics", in Orley Ashenfelter and David Card (eds.), *Handbook of Labor Economics*, Vol. 3, Chapter 23, 1277-1366.

Ashenfelter, Orley and David Card (1985). "Using the Longitudinal Structure of Earnings to Estimate the Effect of Training Programs", *Review of Economics and Statistics*, 67(4), 648-660.

Finklestein, Amy (2002). "The Effect of Tax Subsidies to Employer-Provided Supplementary Health Insurance: Evidence from Canada", *Journal of Public Economics*, 84, 305-339.

Meyer, Bruce D. (1995). "Natural and Quasi-Experiments in Economics", *Journal of Business and Economic Statistics*, 13(2), 151-161.

2. Treatment evaluation: ATE, ATT, LATE (4 hours) GW

Cameron, A. Colin and Pravin K. Trivedi (2005). *Microeconometrics*, Chapter 25, pp.860-870 + pp.882-886.

Angrist, Joshua D. , Guido W. Imbens, Donald B. Rubin (1996). "Identification of Causal Effects Using Instrumental Variables", *Journal of the American Statistical Association*, 91, 444-455 (with discussion 456-472).

[Imbens, Guido W. and Joshua D. Angrist (1994). "Identification and Estimation of Local Average Treatment", *Econometrica*, 62(2), 467-475.]

3. Regression Discontinuity Design (4 hours) GW

Cameron, A. Colin and Pravin K. Trivedi (2005). *Microeconometrics*, Chapter 25, pp.878-882.

Angrist, Joshua D. and Jörn-Steffen Pischke (2009). *Mostly Harmless Econometrics*, Chapter 6, pp.251-267.

Imbens, Guido W. and Thomas Lemieux (2008). "Regression Discontinuity Designs: A Guide to Practice", *Journal of Econometrics*, 142(2), 615-635.

Battistin, Erich, Agar Brugiavini, Enrico Rettore and Guglielmo Weber (2009). "The Retirement Consumption Puzzle: Evidence from a Regression Discontinuity Approach", *American Economic Review*, 99(5), 2209-2226.

[Lee, David S. and Thomas Lemieux (2010). "Regression Discontinuity Designs in Economics", *Journal of Economic Literature*, 48(2): 281–355.]

4. Quantile regression (6 hours) CW

Cameron, A. Colin and Pravin K. Trivedi (2005). *Microeconometrics*, Chapter 4, pp.63-68 + pp.85-90.

Angrist, Joshua D. and Jörn-Steffen Pischke (2009). *Mostly Harmless Econometrics*, Chapter 7, pp. 269-283.

Koenker, Roger and Kevin F. Hallock (2001). "Quantile Regression," *Journal of Economic Perspectives*, 15(4), 143-156.

[Buchinsky, Moshe (1994). "Changes in the U.S. Wage Structure 1963-1987: Application of Quantile Regression", *Econometrica*, 62(2), 405-458.]

[Koenker, Roger, and Gilbert Bassett Jr. (1978). "Regression Quantiles", *Econometrica*, 46(1), 33–50.]

5. Selection on observables: matching and propensity score estimators (4 hours) CW

Cameron, A. Colin and Pravin K. Trivedi (2005). *Microeconometrics*, Chapter 25, pp.871-878.

Wooldridge, Jeffrey M. (2002). *Econometric Analysis of Cross Section and Panel Data*, Chapter 18, pp.614-621.

Dehejia, Rajeev H. and Sadek Wahba (2002). "Propensity Score-Matching Methods for Nonexperimental Causal Studies", *Review of Economics and Statistics*, 84(1), 151-161.

Rosenbaum, Paul R. and Donald B. Rubin (1983). "The Central Role of the Propensity Score in Observational Studies for Causal Effects", *Biometrika*, 70(1), 41-55.

[Dehejia, Rajeev H. and Sadek Wahba (1999). "Causal Effects in Nonexperimental Studies: Reevaluating the Evaluation of Training Programs", *Journal of the American Statistical Association*, 94, 1053-1062.]

[Heckman, James J., Hidehiko Ichimura and Petra E. Todd (1997). "Matching as an Econometric Evaluation Estimator: Evidence from Evaluating a Job Training Programme", *Review of Economic Studies*, 64(4), Special Issue: Evaluation of Training and Other Social Programmes, pp. 605-654.]