

Peter M. Steiner

Office Address:

University of Wisconsin–Madison
Department of Educational Psychology
1025 W Johnson Street
Madison, WI 53706
US

phone: ++1 608 262 0842
fax: ++1 608 262 0843
e-mail: psteiner@wisc.edu

Education:

1990–1997 Economics at the Vienna University of Economics and Business Administration;
Degree: Magister (MSc)
1991–2000 Statistics at the University of Vienna; Degree: Mag. (MSc)
2000–2005 Statistics at the University of Vienna; Degree: Dr. (PhD)

Employment:

1996–1997 Scholarship holder at the Institute for Advanced Studies (IHS), Vienna
1997–2009 (Senior) Researcher and Assistant Professor (since 2006) at the Institute for
Advanced Studies, Vienna, Department of Sociology
2007–2008 Sabbatical at Northwestern University, Institute for Policy Research
2008–2010 Visiting Scholar and Senior Research Associate at Northwestern University,
Institute for Policy Research
2009 Visiting Assistant Professor at the Department of Sociology, Northwestern
University
2010 Visiting Assistant Professor at the School of Education and Social Policy,
Northwestern University
2010– Assistant Professor at the Department of Educational Psychology,
University of Wisconsin–Madison

Affiliations:

2010– Interdisciplinary Training Program in the Education Sciences (ITP) at the
University of Wisconsin-Madison
2011– Center for Demography and Ecology (CDE) at the University of Wisconsin-
Madison

Teaching:

1997–2008 Courses in *survey design, introductory and multivariate statistics, and regression
analysis* at the Institute for Advanced Studies, Vienna (post-graduate program)
1997–2006 *Introduction to Statistics* at the University of Vienna (Institute for Statistics and
Decision Support Systems)

- 2002–2005 *Introduction to Statistics* at the University of Vienna (Institute for Communication Sciences; University program on market and opinion research)
- 2009 *Analysis of Social Data* at Northwestern University (Department of Sociology; SOC 303)
- 2010 *Introduction to Statistics and Research Methods* at Northwestern University (The School of Education and Social Policy; SESP 210)
- 2010– *Applied Regression Analysis* at the University of Wisconsin–Madison (Department of Educational Psychology 711-003)
- 2011– *Design and Analysis of Quasi-Experiments for Causal Inference* at the University of Wisconsin–Madison (Department of Educational Psychology 711-008)
- 2013 *Graphical Models for Causal Inference* at the University of Wisconsin–Madison (Department of Educational Psychology 711-005).

Research Interests:

Causal inference, quasi-experimental designs, matching designs, propensity score methods, regression discontinuity designs, interrupted time series analysis, experimental designs
Factorial survey, vignette analysis, survey design
Multilevel modeling, data compression, computational statistics

Languages:

German first language
English good speaking, reading and writing
French good reading

Honors & Awards:

Award from the Austrian Statistical Society (ÖSG) in mathematical statistics for the master's thesis (1999)
University of Wisconsin-Madison Fall Competition Award 2010 and 2014
Outstanding Reviewer Award 2011, AERA, Journal of Educational and Behavioral Statistics (2012)

Professional Activities:

Society Memberships:

American Statistical Association (ASA)
Association for Public Policy Analysis and Management (APPAM)
European Association of Methodology (EAM)
Österreichische Statistische Gesellschaft (Austrian Statistical Society)
Society for Research on Educational Effectiveness (SREE)

Member of Advisory Panels and Technical Working Groups:

Johns Hopkins University, School of Public Health (2014–)
Boston College, Lynch School of Education (2014)
Institute of Education Sciences (IES), U.S. Department of Education (2011, 2014–)
Northwestern University, Institute for Policy Research (2013–2014)
University of South Florida, Alliance for Applied Research in Education and
Anthropology (2009/2010/2011)

Consultations:

Academy for Educational Development (2007/2008)
American Institutes for Research (2008/2009/2011)
Econometrica, Inc. (2013)
FH Campus Wien, University of Applied Sciences, Competence Centre for Social Work
(2008-2013, 2013/2014)
RTI International (2010)
Texas Institute for Measurement, Evaluation, and Statistics (TIMES), University of
Houston (2013–)

Editorial Activities:

Member of Editorial Board:

Journal of Research on Educational Effectiveness (2014–)

Peer-Review Activities:

American Journal of Evaluation, Cambridge University Press (Books), Evaluation and
Program Planning, Evaluation Review, International Journal of Obesity, Journal of
Educational and Behavioral Statistics, Journal of Consulting and Clinical Psychology,
Journal of Research on Educational Effectiveness, Journal of School Psychology,
Methoden-Daten-Analysen (MDA), Methodology - European Journal of Research
Methods in Behavioral and Social Sciences, Multivariate Behavioral Research, Pattern
Recognition, Psychological Methods, Sage Publications (Books), Science Education,
Social Science Research, Sociological Methodology, Sociological Methods and
Research, Springer Verlag (Books), The American Statistician, The Annals of Applied
Statistics

Research Grants:

Co-Principal Investigator (with PI Eric Camburn and Rita Martens), *An Evaluation of the
Authentic Intellectual Work Initiative in Iowa*, Institute of Education Sciences, U.S.
Department of Education, #R305A140045 (2014-2018).

Co-Principal Investigator (with PI Mitchell Nathan, Martha Alibali, Amy Ellis, Eric Knuth,
Chuck Kalish), *Postdoctoral Training Program in Mathematical Thinking, Learning, and
Instruction*, Institute of Education Sciences, U.S. Department of Education,
#R305B130007 (2013-2016).

Principal Investigator (with Co-PI Jee-Seon Kim), *Matching Strategies for Observational Studies with Multilevel Data in Educational Research*, Institute of Education Sciences, U.S. Department of Education, #R305D120005 (2012-2015). <http://multilevel.wceruw.org/>

Principal Investigator of subaward of grant #R305D100033 from the Institute of Education Sciences, U.S. Department of Education: *Better Warranted Quasi-Experimental Practice for Evidence Based Practical Research* (PI Thomas D. Cook, Northwestern University) (2011-2013).

Principal Investigator, *Propensity Scores in Practice: How to Successfully Conduct a Propensity Score Analysis*, William T. Grant Foundation (2009-2010).

Principal Investigator, *Perception and Measurement of Gender Gaps in Income: A Methodological Investigation Using a Vignette Experiment, a Traditional Questionnaire and a Register Data Base*, Austrian National Bank (Oesterreichische Nationalbank), #12320 (2006-2008).

Publications (in reviewed journals & proceedings):

Under Review:

Hallberg, Kelly, Thomas D. Cook, Peter M. Steiner & M. H. Clark. The role of pretests in reducing selection bias in quasi-experiments: Evidence from three within study comparisons.

Kang, Joseph, Wendy Chan, Mi-Ok Kim & Peter M. Steiner. Practice of causal inference with the propensity being zero or one.

Kolar, Ana, Vasja Vehovar & Peter M. Steiner. Small samples and propensity score methods for estimating causal effects from observational study designs.

Sengewald, Marie-Ann, Steffi Pohl & Peter M. Steiner. On the Importance of Adjusting for Latent Covariates.

Steiner, Peter M., Yongnam Kim, Courtney Hall & Dan Su. Graphical models for quasi-experimental designs.

Steiner, Peter M., Christiane Atzmüller & Dan Su. Designing valid and reliable vignette experiments for survey research: A case study on the fair gender income gap.

Published / Forthcoming:

Hall, Courtney E., Peter M. Steiner & Jee-Seon Kim (forthcoming). Doubly robust estimation of treatment effects from observational multilevel data. *IMPS Proceedings*.

Keller Bryan, Jee-Seon Kim & Peter M. Steiner (forthcoming). Neural networks for propensity score estimation: Simulation results and recommendations. *IMPS Proceedings*.

Kim, Jee-Seon & Peter M. Steiner (forthcoming). Multilevel propensity score methods for estimating causal effects: A latent class modeling strategy. *IMPS Proceedings*.

Steiner, Peter M., Thomas D. Cook, Wei Li, M. H. Clark (in press). Bias reduction in quasi-experiments with little selection theory but many covariates. *Journal of Research on Educational Effectiveness*.

- Shadish, William R., Kristynn J. Sullivan & Peter M. Steiner (in press). A primer on modeling longitudinal data with generalized additive models: Applications to single-case designs. *Psychological Methods*.
- Wong, Manyee, Thomas D. Cook & Peter M. Steiner (in press). Adding design elements to improve time series designs: No Child Left Behind as an example of causal pattern-matching. *Journal of Research on Educational Effectiveness*.
- Steiner, Peter M., Jee-Seon Kim & Felix Thoemmes (2013). Matching strategies for observational multilevel data. In *JSM Proceedings*. Alexandria, VA: American Statistical Association. 5020-5032.
- Kamin, Tanja, Ana Kolar & Peter M. Steiner (2013). The role of cultural capital in production of good health: A propensity score analysis. *Slovenian Journal of Public Health*, 52(2), 108-118.
- Wong, Vivian C., Peter M. Steiner & Thomas D. Cook (2013). Analyzing regression-discontinuity designs with multiple assignment variables: A comparative study of four estimation methods. *Journal of Educational and Behavioral Statistics*, 38(2), 107-141
Online-first:
<http://jeb.sagepub.com/content/early/2012/04/26/1076998611432172.abstract>.
- Shadish, William R., Peter M. Steiner & Thomas D. Cook (2012). A case study about why it can be difficult to test whether propensity score analysis works in field experiments. *Journal of Methods and Measurement in the Social Sciences*, 3(2), 1-12.
- Steiner, Peter M. (2012). Using design elements for increasing the severity of causal mediation tests. Commentary on Hong, G., & Nomi, T. (2012). Weighting methods for assessing policy effects mediated by peer change. *Journal of Research on Educational Effectiveness*, 5, 296-298.
- Marcus, Sue M., Elizabeth A. Stuart, Pei Wang, William R. Shadish & Peter M. Steiner (2012). Estimating the causal effect of randomization versus treatment preference in a doubly-randomized preference trial. *Psychological Methods*, 17(2), 244-254.
- Steiner, Peter M. (2011). Propensity score methods for causal inference: On the relative importance of covariate Selection, reliable measurement, and choice of propensity score technique. AlmaLaurea Working Paper No. 9, ISSN 2239-9453, Bologna.
www2.almalaurea.it/universita/pubblicazioni/wp/.
- Cook, Thomas D., Steffi Pohl & Peter M. Steiner (2011). Die relative Bedeutung der Kovariatenwahl, Reliabilität und Art der Datenanalyse zur Schätzung kausaler Effekte aus Beobachtungsdaten [On the relative importance of variable selection, reliable measurements, and type of analysis in estimating causal treatment effects from observational data]. *Zeitschrift für Evaluation [German Journal of Evaluation]*, 10(2), 203-224.
- Shadish, William R., Rudolfo Galindo, Vivian C. Wong, Peter M. Steiner & Thomas D. Cook (2011). A randomized experiment comparing random to cutoff-based assignment. *Psychological Methods*, 16(2), 179-191.
- Steiner, Peter M., Thomas D. Cook & William R. Shadish (2011). On the importance of reliable covariate measurement in selection bias adjustments using propensity scores. *Journal of Educational and Behavioral Statistics*, 36(2), 213-236.

- Steiner, Peter M., Thomas D. Cook, William R. Shadish & M.H. Clark (2010). The importance of covariate selection in controlling for selection bias in observational studies. *Psychological Methods*, 15(3), 250-267.
- Atzmüller, Christiane & Peter M. Steiner (2010). Experimental vignette studies in survey research. *Methodology: European Journal of Research Methods for the Behavioral and Social Sciences*, 6(3), 128-138.
- Shadish, William R. & Peter M. Steiner (2010). A primer on propensity score analysis. *Newborn and Infant Nursing Reviews*, 10(1), 19-26.
- Cook, Thomas D. & Peter M. Steiner (2010). Case matching and the reduction of selection bias in quasi-experiments: The relative importance of the pretest as a covariate, unreliable measurement and mode of data analysis. *Psychological Methods*, 15(1), 56-68.
- Cook, Thomas D., Peter M. Steiner & Steffi Pohl (2009). Assessing how bias reduction is influenced by covariate choice, unreliability and data analytic mode: An analysis of different kinds of within-study comparisons in different substantive domains. *Multivariate Behavioral Research*, 44, 828-847.
- Pohl, Steffi, Peter M. Steiner, Jens Eisermann, Renate Soellner & Thomas D. Cook (2009). Unbiased causal inference from an observational study: Results of a within-study comparison. *Educational Evaluation and Policy Analysis*, 31(4), 463-479.
- Cook, Thomas D. & Peter M. Steiner (2009). Some empirically viable alternatives to random assignment. *Journal of Policy Analysis and Management*, 28(1), 165-166.
- Shadish, William R., M.H. Clark & Peter M. Steiner (2008). Can nonrandomized experiments yield accurate answers? A randomized experiment comparing random to nonrandom assignment (with comments by Little/Long/Lin, Hill, and Rubin, and a rejoinder). *Journal of the American Statistical Association*, 103, 1334-1356.
- Steiner, Peter M. & Marcus Hudec (2007). Classification of large data sets with mixture models via sufficient EM. *Computational Statistics & Data Analysis* 51, 5416-5428.
- Bock-Schappelwein, Julia, Peter Huber, Ulrike Huemer, Helmut Mahringer, Lorenz Lassnigg & Peter M. Steiner (2007). Prognose des Arbeitskräfteangebotes in Oberösterreich bis 2010 [Forecast of labor supply for Upper Austria 2010]. *WISO*, 30(2).
- Steiner, Peter M. & Christiane Atzmüller (2006). Experimentelle Vignettendesigns in faktoriellen Surveys [Experimental vignette designs in factorial surveys]. *Kölner Zeitschrift für Soziologie und Sozialpsychologie*, 58(1), 117-146.
- Hudec, Marcus & Peter M. Steiner (2002). Model-based classification of large data sets. In W. Härdle, B. Rönz (ed.), *Proceedings in Computational Statistics 2002*, Short Communications on CD-ROM.
- Lassnigg, Lorenz, Peter Prenner & Peter M. Steiner (1998). Ausbildung - Beruf - Beschäftigung. Einige Entwicklungstendenzen in Österreich [Education - Profession - Employment. Development trends in Austria]. *SWS-Rundschau*, 38(3), 277-294.
- Lassnigg, Lorenz & Peter M. Steiner (1997). Die betrieblichen Kosten der Lehrlingsausbildung in Österreich - eine empirische Studie [Entrepreneurial expenses on apprenticeship training in Austria: An empirical investigation]. *WISO*, 20(2), 13-32.

Chapters in Books:

- Steiner, Peter M. Design-Based and Model-Based Analysis of Propensity Score Designs (forthcoming). In A. von Eye & W. Wiedermann, *Statistics and Causality: Methods for Applied Empirical Research*, Hoboken, NJ: Wiley and Sons.
- Steiner, Peter M., & Yongnam Kim (in press). Quasi-Experiments. In R. Cautin & S. Lilienfeld (Eds.), *The Encyclopedia of Clinical Psychology*, Wiley-Blackwell.
- Steiner, Peter M., & David L. Cook (2013). Matching and Propensity Scores. In T. D. Little (Ed.), *The Oxford Handbook of Quantitative Methods, Volume 1, Foundations*. New York, NY: Oxford University Press.
- Wong, Vivian C., Coody Wing, Peter M. Steiner, Manyee Wong & Thomas D. Cook (2012). Research designs for program evaluation. In W. Velicer & J. Schinka (Eds.), *Handbook of Psychology, Volume 2, Research Methods in Psychology*. 2nd edition. Hoboken, NJ: Wiley and Sons.
- Cook, Thomas D., Manyee Wong & Peter M. Steiner (2011). Evaluating National Programs: A Case Study of the No Child Left Behind Program in the United States. In Bliesener, T., Beelmann, A., & Stemmler, M. (Eds.), *Antisocial behavior and crime: Contributions of developmental and evaluation research to prevention and intervention*. Cambridge, MA: Hogrefe Publishing.
- Steiner, Peter M., Angela Wroblewski & Thomas D. Cook (2009). *Randomized experiments and quasi-experimental designs in educational research*. In Ryan, K. E., & Cousins, J. B. (Eds.), *The Sage International Handbook on Educational Evaluation*. Thousand Oaks: Sage.
- Steiner, Peter M. & Lorenz Lassnigg (2007). Skill needs forecasting in Austria. In A. Zukersteinova, O. Strietska-Ilina (eds.), *Towards European skill needs forecasting*. Cedefop Panorama series 137. Luxembourg: Office for Official Publications of the European Communities.
- Steiner, Peter M. & Angela Wroblewski (2006). Sozioökonomische Einflußgrößen [Socioeconomic factors affecting PISA achievement scores]. In E. Neuwirth, I. Ponocny, W. Grossmann (eds.), *PISA 2000 und PISA 2003: Vertiefende Analysen und Beiträge zur Methodik [PISA 2000 and PISA 2003: Analyses and methodological contributions]*. Leykam, Graz.
- Grossmann, Wilfried, Thomas Ledl, Erich Neuwirth, Ivo Ponocny & Peter M. Steiner (2006). Methodisch-statistische Grundlagen von PISA [Methodological and statistical foundations of PISA]. In E. Neuwirth, I. Ponocny, W. Grossmann (eds.), *PISA 2000 und PISA 2003: Vertiefende Analysen und Beiträge zur Methodik [PISA 2000 and PISA 2003: Analyses and methodological contributions]*. Leykam, Graz.
- Prenner, Peter & Peter M. Steiner (2005). Der Wandel der Qualifikationsstruktur der österreichischen Beschäftigung 1991-2001, Die Berufstätigen nach Wirtschaftsklassen, Ausbildung und Geschlecht [Changes in the qualification structure of Austria's work force between 1991-2001]. In M. Mesch (ed.), *Der Wandel der Beschäftigungsstruktur in Österreich, Branchen – Qualifikationen – Berufe*. LIT-Verlag, Wien.

- Lassnigg, Lorenz, Susanne Loudon, Brigitte Schramm & Peter M. Steiner (2000). Der Berufseinstieg von HochschulabsolventInnen [Career entry of college graduates in Austria]. In L. Mitterauer, W. Reiter (eds.), *Der Arbeitsmarkt für AkademikerInnen in Österreich, Entwicklungen, Probleme, Perspektiven*. Wissenschaftsverlag, Wien.
- Steiner, Peter M. & Lorenz Lassnigg (1999). Kosten und Nutzen der betrieblichen Ausbildung in Österreich [Cost-benefit analysis of entrepreneurial apprenticeship training in Austria]. In *Workshop: Kosten, Finanzierung und Nutzen beruflicher Bildung*. Dokumentation der Beiträge zu den 10. Hochschultagen Berufliche Bildung 1998 in Dresden.

Book Reviews:

- Steiner, P. M. (2010). "S. Guo & M. W. Fraser (2010). Propensity Score Analysis: Statistical Methods and Applications. Thousand Oaks: SAGE Publications." *Psychometrika*, 75(4), 775-777.

Research Reports (more than 30 reports):

- Cook, T. D., Wong, V. C., Steiner, P. M., Taylor, J., Gandhi, A., Kendziora, K., Hurlburt, S., Garet, M., Jackson, S., Danielson, L., & Choi, K. (2009). *Impacts of School Improvement Status on Students with Disabilities*. Feasibility Report. American Institutes for Research.
- Steiner, Peter M., Christiane Atzmüller & Angela Wroblewski (2009). *Wahrnehmung, Bewertung und Messung geschlechtsspezifischer Einkommensunterschiede: Eine methodologische Untersuchung mittels Vignettenexperiment, einem traditionellen Fragebogen und Registerdaten* [Perception and measurement of gender gaps in income: A methodological investigation using a vignette experiment, a traditional questionnaire and a register data base]. Research report for the Austrian National Bank (OeNB).
- Steiner, Peter M., Julia Schuster & Stefan Vogtenhuber (2007). *Bildungserträge in Österreich von 1999-2005* [Returns to schooling in Austria from 1999 to 2005]. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Steiner, Peter M., Stefan Vogtenhuber & Lorenz Lassnigg (2007). *Qualifikationsprognosemodell für das AMS-Qualifikationsbarometer* [A forecasting model of vocational qualifications for the Austrian Labor Market Agency]. IHS research report, on behalf of the Austrian Labor Market Agency.
- Lassnigg, Lorenz, Stefan Vogtenhuber & Peter M. Steiner (2007). *Finanzierung und Förderung von lebensbegleitendem Lernen in Österreich* [Financial aspects of life-long learning in Austria]. In: Arbeiterkammer Wien (Hrsg.), *Weiterbildung und Lebensbegleitendes Lernen. Vergleichende Analysen und Strategievorschläge für Österreich*, Materialien für Wirtschaft und Gesellschaft, Nr. 102, Wien, S. 44-69.
- Steiner, Mario & Peter M. Steiner (2006). *Bildungsabbruch und Beschäftigungseintritt, Ausmaß und soziale Merkmale jugendlicher Problemgruppen* [On early dropout and career entry of young persons]. IHS research report, on behalf of the Austrian Federal Ministry for Education & Austrian Labor Market Agency.

- Vogtenhuber, Stefan, Peter M. Steiner & Lorenz Lassnigg (2006). *Österreichs UOE-Datenmeldung für die ISCED Ebenen 0 – 4, Erfassung und Meldung der Bildungsausgaben im internationalen Vergleich* [On the UOE-reporting practice of educational expenditures: An international comparison]. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Wroblewski, Angela, Andrea Leitner & Peter M. Steiner (2005). *Gendersensible Statistik – Vom Sex-Counting zur Genderanalyse* [Gender-sensitive statistics: Sex-counting vs genderanalysis], Statistische Mitteilungen der Stadt Wien, Heft 1, 2/2005:7-45.
- Österreichisches Institute für Wirtschaftsforschung (2005). *Evaluierung Europäischer Sozialfonds 2000-2006, Ziel 3 – Österreich. Aktualisierung der Halbzeitbewertung: Programmbezogene Zusammenschau* [Evaluation of the European Social Fund 2000-2006, Objective 3 – Austria. Update of the half time evaluation: Summary]. WIFO research report, on behalf of the Austrian Federal Ministry of Economy and Labor.
- Österreichisches Institute für Wirtschaftsforschung (2005). *Evaluierung Europäischer Sozialfonds 2000-2006, Ziel 3 – Österreich. Aktualisierung der Halbzeitbewertung: Schwerpunktanalysen* [Evaluation of the European Social Fund 2000-2006, Objective 3 – Austria. Update of the half time evaluation: Focus analyses]. WIFO research report, on behalf of the Austrian Federal Ministry of Economy and Labor.
- Österreichisches Institute für Wirtschaftsforschung (2004). *Evaluierung Europäischer Sozialfonds 2000-2006, Ziel 3 – Österreich* [Evaluation of the European Social Fund 2000-2006, Objective 3 – Austria]. WIFO research report, on behalf of the Austrian Federal Ministry of Economy and Labor.
- Steiner, Peter M., Mario Steiner & Lorenz Lassnigg (2003). *Analyse des Beschäftigungs- und Bildungssystems Niederösterreichs. Update der Grundlagen zur Antizipation von Entwicklungsmöglichkeiten des Niederösterreichischen Fachhochschulwesens* [Analysis of employment and education in Lower Austria. Update of the basis for anticipating the developmental potential of Lower Austria's polytechnic schools]. IHS research report, on behalf of NÖ Bildungsgesellschaft m. b. H.
- Steiner, Peter M. & Lorenz Lassnigg (2003). *Die tertiären Bildungsausgaben Österreichs im internationalen Vergleich, Begriffsabgrenzungen und Meldepraxis in den Ländern Österreich, Deutschland, Finnland, Niederlande, Schweden und Schweiz* [Tertiary educational expenditures in Austria. An international comparison of definitions and reports between Austria, Germany, Finland, The Netherlands, Sweden and Switzerland]. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Steiner, Peter M. & Jan Salcher (2003). *Statistischer Überblick zur Lage des Tourismus in Österreich* [Tourism in Austria: a statistical overview]. In: S. Leodolter & R. Kaske, *Tourismus in Österreich: Zukunftsbranche oder Einstieg in die Arbeitslosigkeit?* [Tourism in Austria] Report AK (Austrian Chamber of Labor) Wien.
- Lassnigg, Lorenz, Peter M. Steiner & Mario Steiner (2003). *System-Monitoring im Schulwesen, Datenquellen und Informationsflüsse als Basis von System-Monitoring* [Educational system monitoring: data sources and flows of information as basis for system monitoring]. IHS research report, on behalf of the Austrian Federal Ministry for Education.

- Lassnigg, Lorenz, Mario Steiner, Elisabeth Scheibelhofer & Peter M. Steiner (2003). *Evaluierung Europäischer Sozialfonds 2000-2006, Ziel 3 – Österreich. Schwerpunkt 3: Lebenslanges Lernen und Förderung des Beschäftigungspotentials in Forschung, Wissenschaft und Technologie* [Evaluation of the European Social Fund 2000-2006, Objective 3 – Austria. Topic 3: Lifelong learning and improvement of the employment potential in research, science and technology]. WIFO research report, on behalf of the Austrian Federal Ministry of Economy and Labor.
- Steiner, Mario, Peter M. Steiner, Lorenz Lassnigg & Peter Prenner (2002). *Grundlagen für die Entwicklung eines Systems des Lebenslangen Lernens in Wien. Analysen, Prognosen und strategische Ansätze* [Developing a system for life-long learning in Vienna: analyses, predictions and strategies]. IHS research report, on behalf of WZW – Wissenschaftszentrum Wien.
- Biffel, Gudrun, Lorenz Lassnigg, Peter M. Steiner, Josef Fersterer, Rudolf Winter-Ebmer (2002). *Kosten-Nutzen-Analyse des Bildungssystems am Beispiel der Sekundarstufe II* [Cost-benefit-analysis of the educational system: Upper secondary education]. WIFO research report, on behalf of the Austrian Federal Ministry for Education.
- Lassnigg, Lorenz, Peter M. Steiner & Angela Wroblewski (2001): *Kosten-Nutzen-Analyse des Bildungssystems. Teilbericht Kosten in Österreich und Länderprofile (Finnland, Schweiz, Bayern)* [Cost-benefit analysis of the educational system in Austria, Finland, Switzerland and Bavaria]. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Lassnigg, Lorenz & Peter M. Steiner (2001). *Kosten-Nutzen-Analyse des Bildungssystems. Zusammenfassung* [Cost-benefit analysis of the educational system in Austria: Summary]. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Steiner, Peter M. & Lorenz Lassnigg (2001). *Financing Primary and Secondary Schools, National Report Austria*. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Steiner, Mario, Peter M. Steiner, Peter Prenner & Franz Delapina (2001). *Analyse des Beschäftigungs-, Bildungs- und Innovationssystems. Grundlagen zur Antizipation von Entwicklungsmöglichkeiten des Niederösterreichischen Fachhochschulwesens* [Analysis of employment, education and innovation in Lower Austria for anticipating the developmental potential of Lower Austria's polytechnic schools]. IHS research report, on behalf of Niederösterreichische Bildungsgesellschaft mbH für das Fachhochschul- und Universitätswesen.
- Lassnigg, Lorenz, Anderea Leitner, Angela Wroblewski, Mario Steiner, Peter M. Steiner, Kurt Mayer, Günther Schmid, Klaus Schömann (2000). *Evaluationsschema für Maßnahmen der aktiven Arbeitsmarktpolitik in Wien* [A scheme for evaluating active labour market programs in Vienna]. IHS research report, on behalf of the Austrian Labor Market Agency & WAFF.
- Peter Prenner, Peter M. Steiner & Gabriela Jérôme (2000). *Chancen, Risiken und Potentiale 2000–2003. Eine mittelfristige Projektion des Wiener Arbeitsmarktes* [Chances, risks and potentials for 2000-2003. A mid-term projection of the Vienna's labor market]. IHS research report, on behalf of Arbeitsmarktservice Wien and Wiener ArbeitnehmerInnen Förderungsfonds.

- Lassnigg, Lorenz, Andrea Leitner, Peter M. Steiner & Angela Wroblewski (1999). *Unterstützung beim Wiedereinstieg. Möglichkeiten und Wirkungen frauenspezifischer Maßnahmen*. [Support for re-entry. Chances and effects of labor market programs for women.] Reserarch Report, Austrian Labour Market Agency, Vienna.
- Lassnigg, Lorenz, Susanne Loudon, Brigitte Schramm & Peter M. Steiner (1998). *Zur Beschäftigung von HochschulabsolventInnen* [Emplyoment of academic graduates]. IHS research report, on behalf of the Austrian Federal Ministry for Education.
- Steiner, Peter M. & Lorenz Lassnigg (1998). Die betrieblichen Kosten der Lehrlingsausbildung. Dokumentation des Workshops vom 7. April 1997 [Entrepreneurial cost of apprenticeship training in Austria]. *Reihe Soziologie Nr. 31*, IHS, Wien.
- Lorenz Lassnigg, Peter Prenner & Peter M. Steiner (1998). *Die Zukunft der österreichischen Qualifikations- und Berufslandschaft. Daten- und Ergänzungsband* [The future of Austria's labor market: qualifications and occupations: Data and Supplemental Material.]. IHS research report, on behalf of the Austrian Labor Market Agency.
- Lorenz Lassnigg, Peter Prenner & Peter M. Steiner (1997). *Die Zukunft der österreichischen Qualifikations- und Berufslandschaft* [The future of Austria's labor market: qualifications and occupations]. IHS research report, on behalf of the Austrian Labor Market Agency.
- Kostal, Thomas, M. Spalt, Ch. Spieß, P. M. Steiner & R. Völkl (1997). *Die Verschuldung der Landeshauptstädte und einwohnerstärksten Städte in Österreich* [The depts of Austria's cities]. Arbeitshefte und Forschungsberichte des Instituts für Finanzwissenschaft, Wirtschaftsuniversität Wien.
- Lassnigg, Lorenz & Peter M. Steiner (1996). *Die betrieblichen Kosten der Lehrlingsausbildung* [Entrepreneurial cost of apprenticeship training in Austria]. IHS research report, on behalf of the Austrian Chamber of Labor.

Other Manuscripts:

- Steiner, Peter M. & Marcus Hudec (2007). Markov mixture models for clustering navigation patterns. Unpublished Manuscript.

Master's and Doctoral Theses:

- Steiner, Peter M. (1997). *Zur kommunalen Verschuldung in Österreich – eine empirische Untersuchung der Städte Bregenz, Dornbirn, Feldkirch, Innsbruck und Kapfenberg 1984 bis 1993* [Municipal debt in Austria: An empirical investigation of the cities Bregenz, Dornbirn, Feldkirch, Innsbruck, and Kapfenberg 1984-1993]. Master's thesis in Economics, Vienna University of Economics and Business Administration (Advisor: Prof. Thomas Kostal).
- Steiner, Peter M. (2000). *Model-based generation of scenarios for financial optimization*. Master's thesis in Statistics, University of Vienna (Advisor: Prof. Georg Pflug).
- Steiner, Peter M. (2005). *Identification of mixture models with compressed data: Sufficient EM strategies for prototypes representing large data sets*. Doctoral thesis in Statistics, University of Vienna (Advisor: Prof. Marcus Hudec).

Invited Talks, Conference Presentations & Discussions (since 2005):

- Steiner, Peter M., Christiane Atzmüller & Dan Su (2014). *Designing Valid and Reliable Vignette Experiments: A Case Study on the Fair Gender Income Gap*. Invited talk at the Interdisciplinary Training Seminar in Education Sciences, University of Wisconsin-Madison, November 21, 2014.
- Kim, Jee-Seon, Peter M. Steiner & Wen-Chiang Lim. *Mixture Modeling Strategies for Causal Inference with Multilevel Data*. Conference on Advances in Multilevel Modeling for Educational Research: Addressing Practical Issues Found in Real-World Applications, Maryland University, College Park, MD, November 14-15, 2014.
- Wong, Vivian C. & Peter M. Steiner. *Theoretical Foundations in the Design, Implementation, and Analysis of within Study Comparisons for Evaluating Quasi-Experimental Approaches*. APPAM Fall Research Conference 2014, Albuquerque, NM, November 6-8, 2014.
- Steiner, Peter M. (2014). *Implications of Measurement Error on Covariate Selection for Causal Inference*. Talk at an Invited Session at the Joint Statistical Meeting, Boston, MA, August 2-7, 2014.
- Steiner, Peter M. (2014). *Propensity Score Designs for Causal Inference: Challenges in Practice*. Invited State of the Art Talk at the International Meeting of the Psychometric Society, Madison, WI, July 21-25, 2014.
- Kim, Jee-Seon & Peter M. Steiner (2014). *Contemporary Issues in Estimating Causal Effects Using Propensity Score Methods*. Talk at the International Meeting of the Psychometric Society, Madison, WI, July 21-25, 2014.
- Kim, Yongnam & Peter M. Steiner (2014). *Bias-Amplification in Observational Studies*. Talk at the International Meeting of the Psychometric Society, Madison, WI, July 21-25, 2014.
- Steiner, Peter M. (2014). *Propensity Score Designs for Causal Inference: Covariate Selection Issues*. Invited talk at the Conference for Statistics and Causality, Department of Psychology, University of Vienna, May, 23-24, 2014.
- Steiner, Peter M. & Yongnam Kim (2014). *Implications of Measurement Error on Covariate Selection for Causal Inference*. 76th Annual Meeting of the National Council on Measurement in Education (NCME), Philadelphia, April 2-6, 2014.
- Hall, Courtney, Jee-Seon Kim & Peter M. Steiner (2014). *Matching Strategies for Observational Data with Multilevel Structures*. Annual Meeting of the American Educational Research Association (AERA), Philadelphia, April 3-7, 2014.
- Steiner, Peter M. & Yongnam Kim (2014). *On the Bias-Amplifying Effect of Near Instruments in Observational Studies*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 6-8, 2014.
- McConeghy, Kevin, Peter M. Steiner, Coady Wing & Vivian C. Wong (2013). *Evaluating the Performance of Interrupted Time Series and Difference in Differences Approaches in Replicating Experimental Benchmark Results*. APPAM Fall Conference 2013, Washington D.C., November 7-9, 2013.
- Atzmüller, Christiane & Peter M. Steiner (2013). *Measuring Teenagers' Perception towards Youth Violence using Vignettes*. 5th Conference of the European Survey Research Association (ESRA), Ljubljana, Slovenia, July 15-19, 2013.

- Steiner, Peter M. (2013). Covariate Selection for Causal Inference with Observational Data. Invited talk at the Vienna PhD School of Informatics at the Technical University of Vienna, June 24, 2013.
- Steiner, Peter M., Jee-Seon Kim & Courtney Hall (2013). Matching Designs for Observational Studies with Multilevel Data. Invited talk at Q-Center Colloquium of the Institute for Policy Research, Northwestern University, Evanston, May 21, 2013.
- Steiner, Peter M. & Yongnam Kim (2013). *Implications of Covariate Measurement Error for Propensity Scores*. Invited talk at Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 7-9, 2013.
- Kim, Jee-Seon, Peter M. Steiner, Courtney Hall & Felix Thoemmes (2013). *Within-Cluster and Across-Cluster Matching with Observational Multilevel Data*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 7-9, 2013.
- Keller, Bryan, Jee-Seon Kim & Peter M. Steiner (2013). *Propensity Score Estimation with Data Mining Techniques: Alternatives to Logistic Regression*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 7-9, 2013.
- Steiner, Peter M. & Yongnam Kim (2012). *Covariate Selection Issues in Estimating Causal Effects from Observational Data*. Invited talk at the HAMLET seminar (Human, Animal, and Machine Learning: Experiment and Theory), University of Wisconsin-Madison, December 7, 2012.
- Steiner, Peter M. & Yongnam Kim (2012). *Covariate Selection Strategies for Estimating Total, Direct and Indirect Effects from Observational Studies*. Invited talk at the Interdisciplinary Training Seminar in Education Sciences on The Mediation of Causal Effects in Education, University of Wisconsin-Madison, November 30, 2012.
- Steiner, Peter M., Thomas D. Cook & Wei Li (2012). *Covariate Selection for PS Designs in the Absence of Substantive Theories*. APPAM Fall Conference 2012, Baltimore, November 8-10, 2012.
- Wong, Vivian, Kelly Hallberg, Peter M. Steiner, Thomas D. Cook, Nathan Jones (2012). *Prospectively Choosing Comparison Units using Sequential Matching Procedures*. APPAM Fall Conference 2012, Baltimore, November 8-10, 2012.
- Steiner, Peter M. (2012). *Issues in Design and Analysis of RCTs*. Invited discussion at the APPAM Fall Conference 2012, Baltimore, November 8-10, 2012.
- Steiner, Peter M. (2012). Covariate Selection. Invited talk at the OPRE Methodological Advancement Meeting “Innovate Directions in Estimating Impact” organized by the Administration for Children & Families, U.S. Department of Health & Human Services, Washington D.C. September 6-7. Presentation and audio file available at: <http://www.cvent.com/events/opre-methodological-advancement-meeting-innovative-directions-in-estimating-impact/custom-19-90435042e11640a5bbcd540c1c5552db.aspx>
- Steiner, Peter M., Jee-Seon Kim & Felix Thoemmes (2012). *Matching Strategies for Observational Multilevel Data*. Joint Statistical Meeting, San Diego, July 28 – August 2.
- Steiner, Peter M. (2012). Covariate Selection Under Model Uncertainty. Invited discussion at the Symposium on Causality, Jena, July 24-26, 2012. Video of presentation: <http://www.metheval.uni-jena.de/projekte/symposium2012/program.php?>

- Wong, Vivian, Peter M. Steiner & Thomas D. Cook (2012). *Analyzing Regression-Discontinuity Designs with Multiple Assignment Variables: A Comparative Study of Four Estimation Methods*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 8-10, 2012.
- Steiner, Peter M. (2011). *Do Propensity Score Methods for Estimating Causal Effects from Observational Data Work in Practice? Results from Within-Study Comparisons*. Invited talk at the Center for Demography and Ecology, University of Wisconsin–Madison, November 1, 2011.
- Steiner, Peter M. (2011). *Propensity Score Methods for Causal Inference: The Relative Importance of Covariate Selection, Reliable Measurement, and Choice of Analytic Technique*. 4th Conference of the European Survey Research Association (ESRA), Lausanne, Switzerland, July 18-22, 2011.
- Atzmüller, C. & Peter M. Steiner (2011). *Measuring the Perception of Gender Income Gaps Using a Vignette Experiment*. 4th Conference of the European Survey Research Association (ESRA), Lausanne, Switzerland, July 18-22, 2011.
- Steiner, Peter M. (2011). *Propensity Score Methods for Causal Inference: On the Relative Importance of Covariate Selection, Reliable Measurement, and Choice of Propensity Score Technique*. Invited talk at the International Conference on Human Capital and Employment in the European and Mediterranean Area. Bologna, Italy, March 10-11, 2011.
- Steiner, Peter M. (2011). *Matching Strategies for Observational Data with Multilevel Structure*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 3-5, 2011.
- Hallberg, Kelly, Peter M. Steiner & Thomas D. Cook (2011). *The Role of Pretest and Proxy-Pretest Measures of the Outcome for Removing Selection Bias in Observational Studies*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 3-5, 2011.
- Jones, Nathan, Peter M. Steiner & Thomas D. Cook (2011). *Using Local Matching to Improve Estimates of Program Impact: Evidence from Project STAR*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 3-5, 2011.
- Steiner, Peter M. (2011). *Conditions Under Which Propensity Score Analyses Work in Practice*. Talk at the University of Wisconsin–Madison, Interdisciplinary Training Program in the Education Sciences, January 28, 2011.
- Steiner, Peter M. (2010). *Can Comparison Group Designs Replicate Experimental Impact Estimates?* Invited discussion at the APPAM Fall Conference 2010, Boston, November 4-6, 2010.
- Steiner, Peter M. (2010). *Conditions Under Which Propensity Score Analyses Work in Practice*. APA Annual Convention 2010, San Diego, August 12-15, 2010.
- Steiner, Peter M. (2010). *Challenges and Strategies in Estimating Propensity Scores in Educational Research*. Invited focus presentation at the Symposium on Causality, Jena, July 14-16, 2010. Video of presentation: <http://www.metheval.uni-jena.de/projekte/symposium2010/program.php>

- Cook, Thomas D., Manyee Wong & Peter M. Steiner (2010). *Evaluating No Child Left Behind and the Role of Two of Its Possible Causal Mechanisms*. Spring Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 4-6, 2010.
- Steiner, Peter M. (2009). *The Relative Importance of Covariate Selection, Reliable Measurement, and Choice of Propensity Score Technique*. University of Wisconsin–Madison, Department of Educational Psychology, December 9, 2009.
- Steiner, Peter M. (2009). *Propensity Score Methods for Causal Inference: The Relative Importance of Covariate Selection, Reliable Measurement, and Choice of Propensity Score Technique*. Invited talk at Northwestern University, Psychology Department, October 29, 2009.
- Pohl, Steffi, Peter M. Steiner, Jens Eisermann, Renate Soellner & Thomas D. Cook (2009). *Causal Unbiasedness from an Observational Study*. The 16th International Meeting of the Psychometric Society St John's College, Cambridge, July 20-24, 2009.
- Steiner, Peter M. (2009). *Are Propensity Score Methods Superior to Regression Analysis in Estimating Causal Effects?* Invited talk at Jena Graduate School in Human Behaviour in Social & Economic Change, Jena, June 3, 2009.
- Steiner, Peter M., Thomas D. Cook & William R. Shadish (2009). *On the Importance of Reliable Covariate Measurement in Selection Bias Adjustments Using Propensity Scores*. Annual Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 1-3, 2009.
- Wong, Vivian C., Peter M. Steiner & Thomas D. Cook (2009). *The Generalized Regression Discontinuity Design: Using Multiple Assignment Variables and Cutoffs to Estimate Treatment Effects*. Annual Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 1-3, 2009.
- Wong, Manyee, Thomas D. Cook & Peter M. Steiner (2009). *Comparison Groups in Short Interrupted Time-Series: An Illustration Evaluating No Child Left Behind*. Annual Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 1-3, 2009.
- Steiner, Peter M. (2008). *Empirically Validated Quasi-Experimental Methods in Evaluation*. International Congress of Psychology, Berlin, July 20-25, 2008.
- Steiner, Peter M. (2008). *Main Threats to Causal Inference in Observational Studies*. Invited discussion at the Symposium on Causality, Jena, July 17-19, 2008. Video of discussion: <http://www.metheval.uni-jena.de/projekte/symposium2008/program.php>
- Cook, Thomas D. & Peter M. Steiner (2008). *The Relative Importance of Covariate Choice, Reliability of Covariates and Analytic Method in Reducing Bias in Observational Studies*. Invited talk at the Symposium on Causality, Jena, July 17-19, 2008. Video of presentation: <http://www.metheval.uni-jena.de/projekte/symposium2008/program.php>
- Steiner, Peter M (2008). *Covariates that Effectively Control for Selection Bias in Observational Studies: Results of a Within-Study Comparison*. Poster presented at the IES Conference, Washington D.C., June 10-12, 2008.
- Steiner, Peter M. (2008). *Propensity Scores und kausale Inferenz: Können Propensity Score Techniken Selektionsbias in der Praxis erfolgreich eliminieren?* Invited talk at the Austrian Statistical Society, Vienna, April 17, 2008.

- Steiner, Peter M. (2008). *Sind Propensity Score Techniken zur Schätzung kausaler Effekte in der Praxis erfolgreich?* Invited talk at the Institute for Advanced Studies, Sociology Research Seminar, Vienna, April 7, 2008.
- Steiner, Peter M., Thomas D. Cook, William R. Shadish & M.H. Clark (2008). *Covariates that Effectively Control for Selection Bias in Observational Studies: Results of a Within-Study Comparison*. Annual Conference of the Society for Research on Educational Effectiveness, Washington D.C., March 2-4, 2008.
- Steiner, Peter M. (2007). *Covariates that Effectively Control for Selection Bias in Observational Studies: Evidence from a Within-Study Comparison*. Northwestern University, The Center for Improving Methods for Quantitative Policy Research at the Institute for Policy Research, Evanston, November 27, 2007.
- Steiner, Peter M. & Marcus Hudec (2007). *Markov Mixture Models for Clustering Navigation Patterns*. 31st Annual Conference of the German Classification Society (GfKI): Data Analysis, Machine Learning, and Applications, Freiburg, March 7-9, 2007.
- Hudec, Marcus & Peter M. Steiner (2006). *Clustering of Navigation Patterns on Web Sites*. Applied Statistics 2006, Ribno (Bled, Slovenia), September 17-20, 2006.
- Steiner, Peter M., Christiane Atzmüller, Thomas D. Cook & Fay Lomax Cook (2006). *Two Approaches to Vignette Studies: Differences in Rational and Form*. 25th Biennial Meeting of the Society for Multivariate Analysis in the Behavioural Sciences (SMABS) jointly with the 2nd Conference of the European Association of Methodology (EAM), Budapest, July 2-5, 2006.
- Steiner, Peter M. (2006). *Data Mining: Strategien bei großen Datenbeständen* [Data Mining: Strategies for massive datasets]. Invited talk at the 2nd Data Mining Conference, Vienna, ec3, May 2-3, 2006.
- Steiner, Mario & Peter M. Steiner (2006). *Dropout from Education and Transition to Work in Austria*. Meeting of MISEP Correspondents, Vienna, June 15-16, 2006.
- Hackl, Peter, Wilfried Grossmann, Erich Neuwirth, Peter M. Steiner & Ivo Ponocny (2005). *PISA 2000 & PISA 2003: Revidierte Analyse und neue Ergebnisse*. Workshop and press conference, Statistics Austria, Vienna, June 6, 2006.
- Steiner, Peter M. & Marcus Hudec (2005). *Estimation of Mixture Models with Sufficient EM on Compressed Data*. 3rd World Conference on Computational Statistics & Data Analysis, International Association for Statistical Computing, Limassol, October 28-31, 2005.
- Neuwirth, Erich, Wilfried Grossmann, Ivo Ponocny & Peter M. Steiner (2005). *PISA, Bildung und Statistik*. Österreichische Statistische Gesellschaft, Statistics Austria, Vienna, June 15, 2005.
- Erich Neuwirth, Wilfried Grossmann, Ivo Ponocny & Peter M. Steiner (2005). *PISA aus der Sicht des Statistikers. Methoden und Ergebnisse*. Österreichische Statistische Gesellschaft, Statistics Austria, Vienna, April 4, 2005.

Workshops & Seminars & Short Lectures:

- Steiner, Peter M. (2014). *Causal Diagrams*. Lecture in Advanced Epidemiologic Methods at the University of Wisconsin-Madison, September 16 & 18, 2014.

- Steiner, Peter M. (2014). *Propensity Score Methods for Causal Inference*. Workshop at the International Meeting of the Psychometric Society, Madison, WI, July 21, 2014.
- Steiner, Peter M. (2014). *Design and Analysis of Quasi-Experiments for Causal Inference*. Workshop at the Singaporean Ministry of Education, Singapore, July 2-4, 2014.
- Steiner, Peter M. (2013). *Design and Analysis of Quasi-Experiments for Causal Inference*. Course at the Vienna PhD School of Informatics at the Technical University of Vienna, June 17-28, 2013.
- Steiner, Peter M. (2013). *Covariate Selection for Causal Inference with Observational Data*. Online lecture in Causal Inference at Michigan State University, April 16, 2013.
- Cook, Thomas D., William R. Shadish, Peter M. Steiner & Vivian C. Wong (2012). Workshop on the *Design, Implementation, and Analysis of Within-Study Comparisons*. Northwestern University, August, 13-17, 2012.
- Steiner, Peter M. (2011). *Propensity Score Methods in Practice*. Seminar at the University of Bologna, Statistics Department. Bologna, Italy, March 9, 2011.
- Steiner, Peter M. & Thomas D. Cook (2010). *Propensity Score Analysis*. Presentation at the Workshop on Quasi-Experimental Design and Analysis in Education held by Thomas D. Cook and William R. Shadish. Northwestern University, August 12, 2010. Video of presentation: <http://www.ipr.northwestern.edu/qeworkshops/stage2/index.html>
- Cook, Thomas D. & Peter M. Steiner (2009). Workshop on *Propensity Score Analysis*. Learning Point Associates. Chicago, December, 2009.