

CURRICULUM VITAE

University education

- Studies** University of Heidelberg, Economics (1984 – 1986, 1987 - 1989), *Diplomvolkswirt*, 1984-1989
London School of Economics and Political Science, Economics (1986 - 1987)
- Dissertation** University of Mannheim, Department of Economics.
Feb. 1994 *Econometric Models for Qualitative Panel Data: An Application to Self-employment in East Germany* (Supervisors: Prof. Dr. Dr. h.c. H. König, Prof. A. Börsch-Supan, PhD)
- Habilitation** University of Mannheim, Department of Economics.
Dec. 1996 *Microeconometric Evaluations of Continuous Vocational Training in East Germany after Unification. Venia legendi* in Economics and Econometrics

Professional experience

- University of Mannheim** Research Assistant (Prof. König), 1990-1994
Assistant Professor, on leave Oct. 1994 – July 1995, 1994-1998.
1990-1998
- Harvard Univ.** John-F.-Kennedy-Fellow at the Center for European Studies, Harvard University,
1994-1995 Cambridge, USA
- University of St. Gallen** Full Professor (Chair of Econometrics),
1998 - Director of the Swiss Institute for International Economics and Applied Economic Research (SIAW-HSG; 1998-2008).
Head of the Department of Economics (2007-2009).
President of the governing body (Fachrat) of the Center for Disability and Integration (CDI-HSG, 2009-2010, 2020-2022).
Director of the Swiss Institute for Empirical Economic Research (SEW-HSG; since 2008).
President of the Research Commission of the University of St. Gallen (2014-2022).
- Örebro University** Guest Professor.
2025 - 2027 Member of the AI-Econ lab.

Rankings (June 2024)

- REPEC (Economics)** Switzerland: 12 (top 2%); Europe: 166 (top 1%); World: 701 (top 1%); Sports and Economics: 4 (world).
- Google scholar** <http://scholar.google.com/citations?user=Wo7OPBQAAAAJ&hl=en>
15324 citations, h-index: 60, i-10-index: 124.

PUBLICATIONS

Books

Über die Wirksamkeit von FuU-Massnahmen, Beiträge zur Arbeitsmarkt- und Berufsforschung, BeitrAB 289, Nürnberg: IAB, 2005 (mit S. Bender, A. Bergemann, B. Fitzenberger, R. Miquel, S. Speckesser, C. Wunsch).

Econometric Evaluation of Labour Market Policies, Heidelberg: Physica, 2001 (Editor, with F. Pfeiffer).

Training the East German Labour Force. Microeconomic Evaluations of Continuous Vocational Training after Unification, Heidelberg: Physica, 1998 (Habilitation).

Wirkungen gemeinnütziger Arbeitnehmerüberlassung in Rheinland-Pfalz, erschienen in der Reihe *Beiträge zur Arbeitsmarkt und Berufsforschung (BeitrAB 225)*, Nürnberg: Bundesanstalt für Arbeit, 1998 (with M. Almus, J. Egel, F. Pfeiffer, H. Spengler).

Ökonometrische Modelle für qualitative Paneldaten. Das Beispiel der selbständigen Erwerbstätigkeit in den neuen Bundesländern, Frankfurt: Campus, 1995 (Dissertationsschrift).

Refereed journals

Active labor market policies for the long-term unemployed: New evidence from causal machine learning, *Labour Economics*, 102729, 2025 (jointly with D. Goller, T. Pongratz, J. Wolff).

Causal Machine Learning for Moderation Effects, *Journal of Business & Economic Statistics*, 2025 (jointly with N. Bearth).

The effect of sport in online dating: evidence from causal machine learning, *Humanities and Social Sciences Communications*, 2025, 12:39 (jointly with D. Boller, G. Okasa. Open access).

The Heterogeneous Response of Real Estate Prices during the Covid-19 Pandemic, *Journal of the Royal Statistical Society – Series A*, 188, 3, 819-842, 2025 (jointly with S. Heiniger, W. Königer).

Random Forest Estimation of the Ordered Choice Model, *Empirical Economics*, 68, 1-106, 2025 doi.org/10.1007/s00181-024-02646-4 (jointly with G. Okasa).

Enabling Decision Making with the Modified Causal Forest: Policy Trees for Treatment Assignment, *Algorithms*, 17, 318, 2024 (jointly with H. Bodory, F. Mascolo, open access).

Nonparametric Bootstrap for Propensity Score Matching Estimators, *Statistics and Probability Letters*, 208, 110069, 2024, doi: 10.1016/j.spl.2024.110069 (jointly with H. Bodory, L. Camponovo, M. Huber).

How does post-earnings announcement sentiment affect firms' dynamics? New evidence from causal machine learning, *Journal of Financial Econometrics*, 22, 1184, 575-604, 2024 (jointly with F. Audrino, J. Chassot, C. Huang, M. Knaus, J.P. Ortega).

The finite sample performance of instrumental variable-based estimators of the Local Average Treatment Effect when controlling for covariates, *Computational Economics*, 2023, open access, doi: 10.1007/s10614-023-10507-y (jointly with H. Bodory, M. Huber).

Institutions and the Resource Course: New Insights from Causal Machine Learning, *PLoS ONE*, 18(6): e0284968, 2023, <https://doi.org/10.1371/journal.pone.0284968> (jointly with R. Hodler, P. Raschky).

Causal Machine Learning and its Use for Public Policy, *The Swiss Journal of Economics and Statistics*, 159:8, 2023, <https://doi.org/10.1186/s41937-023-00113-y>.

Do local expenditures on sports facilities affect sports participation?, *Economic Inquiry*, 61, 1103-1128, 2023, open access, doi: 10.1111/ecin.13161 (jointly with C. Steckenleiter, T. Pawlowski, U. Schüttoff).

Rot-Jaune-Verde: On Linguistic Bias of Referees in Swiss Soccer, *Kyklos*, 76, 380-406, 2023, open access, doi: 10.1111/kykl.12332 (jointly with A. Krumer, R. Faltings)

Priority to Unemployed Immigrants? A Causal Machine Learning Evaluation of Training in Belgium, *Labour Economics*, 80, Article 102306, 2023 (jointly with B. Cockx, J. Bollens). Author accepted version at [arXiv](https://arxiv.org/abs/2305.18111).

High Resolution Treatment Effects Estimation: Uncovering Effect Heterogeneities with the Modified Causal Forest, *Entropy*, 24, 1039, 2022 (jointly with H. Bodory, H. Busshoff; Open Access: <https://doi.org/10.3390/e24081039>)

Heterogeneous Employment Effects of Job Search Programmes: A Machine Learning Approach, *The Journal of Human Resources*, 57 (2), 597-636, 2022, doi: 10.3368/jhr.57.2.0718-9615R1 (jointly with M. Knaus, A. Strittmatter).

Sorting in the Used-Car Market After the Volkswagen Emission Scandal, *Journal of Environmental Economics and Management*, 101, Article 102305, 2021 (jointly with A. Strittmatter).

Individual labor market effects of local public expenditures on sports, in *Labour Economics*, 70, Article 101996, 2021 (mit T. Pawlowski, C. Steckenleiter, T. Walraffen; Open Access: <https://doi.org/10.1016/j.labeco.2021.101996>).

Machine Learning Estimation of Heterogeneous Causal Effects: Empirical Monte Carlo Evidence, in *The Econometrics Journal*, 24 (1), 134-161, 2021 (with M. Knaus, A. Strittmatter).

For Better or Worse? - The Effects of Physical Education on Child Development, in *Labour Economics*, 67, Article 101904, 2020 (jointly with M. Knaus, A. Reimers).

Does the estimation of the propensity score by machine learning improve matching estimation? The case of Germany's programmes for long term unemployed, *Labour Economics*, 65, Article 101855, 2020 (jointly with D. Goller, A. Moczall, J. Wolff).

Endogeneity and non-response bias in treatment evaluation - nonparametric identification of causal effects by instruments, *Journal of Applied Econometrics*, 35, 481-504, 2020 (jointly with H. Fricke, M. Frölich, M. Huber).

The finite sample performance of inference methods for propensity score matching and weighting estimators, *Journal of Business and Economic Statistics* (jointly with H. Bodory, L. Camponovo, M. Huber), 38/1, 183-200, 2020, doi: 10.1080/07350015.2018.1476247.

Practical Procedures to Deal with Common Support Problems in Matching Estimation, *Econometric Reviews*, 38, 193-207, 2019, doi: 10.1080/07474938.2017.1318509 (jointly with Anthony Strittmatter).

The effects of incentives to exercise on student performance in college, *Economics of Education Review*, 66, 14-39, 2018, doi: 10.1016/j.econedurev.2018.06.009 (jointly with H. Fricke, A. Steinmayr).

- Direct and indirect effects of training vouchers for the unemployed, *Journal of the Royal Statistical Society A*, 181, 441-463, 2018, doi: 10.1111/rssa.12279 (mit M. Huber, A. Strittmatter).
- Can Sport Really Help Meet the Millennium Development Goals? Evidence from Children in Peru, *Journal of Sports Economics*, 19, 488-521, 2018, doi: 10.1177/1527002516661601 (jointly with T. Pawlowski, U. Schüttoff, P. Downward).
- Midweek Effect on Soccer Performance: Evidence from the German Bundesliga, *Economic Inquiry*, 56, 193-207, 2018, doi: 10.1111/ecin.12465 (jointly with Alex Krumer).
- Payment Evasion, *Journal of Industrial Economics*, 65, 804-832, 2017, doi: 10.1111/joie.12144 (jointly with S. Bühler, D. Halbheer).
- First In First Win: Evidence on Schedule Effects in Round-Robin Tournaments in Mega-Events, *European Economic Review* (jointly with Alex Krumer), 100, 412-427, 2017, doi: 10.1016/j.eurocorev.2017.09.006.
- Sports participation and social capital formation during adolescence, *Social Science Quarterly*, 2017, 99, 2, 683-698, doi: 10.1111/ssqu.12453 (jointly with U. Schuettoff, T. Pawlowski, P. Downward).
- Heterogeneous sports participation and labour market outcomes in England, *Applied Economics*, 49, 335-348, 2017, doi: 10.1080/00036846.2016.1197369 (jointly with P. Downward).
- Why Do Tougher Caseworkers Increase Employment? The Role of Programme Assignment as a Causal Mechanism, *Review of Economics and Statistics*, 99 (1), 180-183, 2017 (jointly with M. Huber, G. Mellace).
- Sports and Child Development, *PLoS ONE* 11 (5): e0151729, 2016, doi: 10.1371/journal.pone.0151729 (jointly with C. Felfe, A. Steinmayr).
- Difference-in-difference estimation by FE and OLS when there is panel non-response, *Journal of Applied Statistics*, 43 (11), 2044-2052, 2016, doi: 10.1080/02664763.2015.1126240 (jointly with N. Rodriguez-Planas, D. Fernandez).
- Mozart or Pelé? The effects of adolescents' participation in music and sports, *Labour Economics*, 41, 90-103, 2016, doi: 10.1016/j.labeco.2016.05.012 (jointly with C. Cabane, A. Hille).
- The effect of firms' phased retirement policies on the labour market outcomes of their employees, *Industrial and Labor Relations Review*, 69 (5), 1216-1248, 2016, doi: 10.1177/0019793916644755 (jointly with M. Huber, C. Wunsch).
- After-school care and parents' labor supply, *Labour Economics*, 42, 64-75, 2016, doi: 10.1016/j.labeco.2016.06.009 (jointly with P. Thiemann, C. Felfe).
- The finite sample performance of estimators for mediation analysis under sequential conditional independence, *Journal of Business and Economic Statistics*, 34:1, 139-160, 2016, doi: 10.1080/07350015.2015.1017644 (jointly with M. Huber, G. Mellace).
- Financial Work Incentives for Disability Benefit Recipients: Lessons from a Randomized Field Experiment, *IZA Journal of Labor Policy*, 4:18, 2015 (jointly with M. Büttler, E. Deuchert, S. Staubli, P. Thiemann).
- Workplace health promotion and labour market performance of employees, *Journal of Health Economics*, 43, 170-189, 2015, doi: 10.1016/j.jhealeco.2015.07.002 (jointly with M. Huber, C. Wunsch).

- Physical activity of adults: A survey of correlates, determinants, and effects, *Journal of Economics and Statistics (Jahrbücher für Nationalökonomie und Statistik)*, 235 (4+5), 376-402, 2015 (jointly with C. Cabane), <http://dx.doi.org/10.1515/jbnst-2015-4-504>.
- Combining Matching and Nonparametric IV Estimation: Theory and an Application to the Evaluation of Active Labour Market Policies, *Journal of Applied Econometrics*, 30, 718-738, 2015, doi: 10.1002/jae.2417 (jointly with M. Frölich).
- Radius matching on the propensity score with bias adjustment: tuning parameters and finite sample behaviour, *Empirical Economics*, 49, 1-31, 2015, doi: 10.1007/s00181-014-0847-1 (jointly with M. Huber, A. Steinmayr).
- Labour market effects of sports and exercise: Evidence from Canadian panel data, *Labour Economics*, 35, 1-15, 2015, doi: 10.1016/j.labeco.2015.04.001 (jointly with N. Sari).
- Do Long-term Unemployed Workers Benefit from Targeted Wage Subsidies, *German Economic Review*, 16 (1), 43-64, 2015, doi: 10.1111/geer.12040 (jointly with B. Schünemann, C. Wunsch).
- The performance of estimators based on the propensity score, *Journal of Econometrics*, 175 (1), 1-21, 2013, doi: 10.1016/j.jeconom.2012.11.006 (jointly with M. Huber, C. Wunsch).
- Sensitivity of matching-based program evaluations to the availability of control variables, *Labour Economics: An International Journal*, 21, 111-121, 2013, doi: 10.1016/j.labeco.2013.01.004 (jointly with C. Wunsch).
- Does the order and timing of active labor market programs matter?, *Oxford Bulletin of Economics and Statistics*, 72-2, 180-211, 2013, doi: 10.1111/obes.12007 (jointly with S. Wiehler).
- Estimation of treatment effects: recent developments and applications, *Empirical Economics*, 44:1-11, 2013, doi: 10.1007/s00181-012-0667-0 (jointly with B. Fitzenberger, J. Smith).
- A Note on the Relation of Inverse-Probability-Weighting and Matching Estimators, *Communications in Statistics - Theory and Methods*, 40:4, 674-683, 2011, doi: 10.1080/03610920903453434.
- The closer the sportier? Children's sport activity and their distance to sport facilities, *European Review of Aging and Physical Activity*, 8, 67-82, 2011, doi: 10.1007/s11556-011-0090-0 (jointly with A. Steinmayr, C. Felfe).
- The Estimation of Causal Effects by Difference-in-Difference Methods, *Foundations and Trends in Econometrics*, 4/3, 2011, 165-224, doi: 10.1561/08000000014.
- Long-Run Effects of Public Sector Sponsored Training in West Germany, *Journal of the European Economic Association*, 9, 742-784, 2011, doi: 10.1111/j.1542-4774.2011.01029.x (jointly with R. Miquel, C. Wunsch).
- Do German Welfare-To-Work Programmes Reduce Welfare and Increase Work?, *German Economic Review*, 12, 182-204, 2011, doi: 10.1111/j.1468-0475.2010.00515.x (jointly with M. Huber, C. Wunsch, T. Walter).
- Kids or Courses? Gender Differences in the Effects of Active Labor Market Policies, *Journal of Population Economics*, 24, 783-812, 2011, doi: 10.1007/s00148-009-0267-2 (jointly with S. Wiehler).
- The Effect of Disability on Labour Market Outcomes in Germany, *Applied Economics*, 43, 389-412, 2011, doi: 10.1080/00036840802599974 (jointly with R. Vazquez-Alvarez).

- Does Leaving Welfare Improve Health? Evidence For Germany, *Health Economics*, 20, 484-504, 2011, doi: 10.1002/hec.1615 (jointly with M. Huber, C. Wunsch).
- The Relation of Different Concepts of Causality used in Time Series and Microeconometrics, *Econometric Reviews*, 30, 109-127, 2011, http://pdfserve.informaworld.com/53251_731430937_929136663.pdf.
- Discussion of "Generalized Estimating Equations: Notes on the Choice of the Working Correlation Matrix", *Methods of Information in Medicine*, 5, 426-432, 2011 (jointly with J. Breitung, N. R. Chaganty, R. M. Daniel, M. G. Kenward, P. Martus, R. T. Sabo, Y.-G. Wang, C. Zorn).
- A caseworker like me - does the similarity between unemployed and caseworker increase job placements?, *The Economic Journal*, 1430-1459, 2010, doi: 10.1111/j.1468-0297.2010.02382.x (jointly with S. Behncke, M. Frölich).
- Exploiting Regional Treatment Intensity for the Evaluation of Labour Market Policies, *Journal of the American Statistical Association*, 105, 1014-1029, 2010, doi: 10.1198/jasa.2010.ap08148 (jointly with M. Frölich).
- Identification of the Effects of Dynamic Treatments by Sequential Conditional Independence Assumptions, *Empirical Economics*, 39, 111-137, 2010, doi: 10.1007/s00181-009-0297-3 (jointly with R. Miquel).
- Unemployed and their Case Workers: Should they be friends of foes?, *The Journal of the Royal Statistical Society - Series A*, 173, 67-92, 2010, doi: 10.1111/j.1467-985X.2009.00600.x (jointly with S. Behncke, M. Frölich).
- Targeting Labour Market Programmes - Results from a Randomized Experiment, *Swiss Journal of Economics and Statistics*, 145, 221-268, 2009 (jointly with S. Behncke, M. Frölich).
- Are Training Programmes More Effective When Unemployment is High?, *Journal of Labor Economics*, 27, 653-692, 2009, doi: 10.1086/644976 (jointly with C. Wunsch).
- Active Labour Market Policy In East Germany: Waiting For The Economy To Take Off, *The Economics of Transition*, 17, 661-702, 2009, doi: 10.1111/j.1468-0351.2009.00362.x (jointly with C. Wunsch).
- Long-run labour market and health effects of individual sports activities, *The Journal of Health Economics*, 28, 839-854, 2009, doi: 10.1016/j.jhealeco.2009.05.003.
- Sequential Causal Models for the Evaluation of Labor Market Programs, *Journal of Business & Economic Statistics*, 27, 71-83, 2009, doi: 10.1198/jbes.2009.0006.
- Invited Comment on 'The Principles Underlying Evaluation Estimators with an Application to Matching' by James J. Heckman, *Annales d'Économie et de Statistique*, 91-92, 81-89, 2008.
- A note on the common support problem in applied evaluation studies, *Annales d'Économie et de Statistique*, 91-92, 217-234, 2008.
- What did all the money do? On the general ineffectiveness of recent West German labour market programmes, *Kyklos: International Review for Social Sciences*, 134-174, 2008 (jointly with C. Wunsch). doi: 10.1111/j.1467-6435.2008.00396.x.
- Public employment services and employers: How important are networks with firms?, *Zeitschrift für Betriebswirtschaft (Journal of Business)*, 1/2008, 151-178, 2008 (jointly with S. Behncke, M. Frölich).
- A Note on Endogenous Control Variables in Causal Studies, *Statistics and Probability Letters*, 78, 190-195, 2008, doi: 10.1016/j.spl.2007.05.019.

- The Curse and Blessing of Training the Unemployed in a Changing Economy: The case of East Germany after Unification, *German Economic Review*, 8, 468–507, 2007, doi: 10.1111/j.1468-0475.2007.00415.x (jointly with R. Miquel, C. Wunsch).
- What is the value added by case workers?, *Labour Economics - An International Journal*, 14, 135-151, 2007, doi: 10.1016/j.labeco.2004.12.002 (jointly with J. Smith).
- Are the effects of training programmes in Germany sensitive to the choice and measurement of labour market outcomes? *Journal of Labour Market Research (ZAF)*, 39, 347-364, 2006 (mit Conny Wunsch).
- Aktive Arbeitsmarktpolitik in Deutschland und der Schweiz – Eine Gegenüberstellung, *Vierteljahrshefte zur Wirtschaftsforschung*, 75, 118-154, 2006, (jointly with S. Behncke, M. Frölich).
- Does subsidised temporary employment get the unemployed back to work? An econometric analysis of two different schemes, *Labour Economics - An International Journal*, 12, 807-835, 2005, doi:10.1016/j.labeco.2004.04.002 (jointly with M. Gerfin, H. Steiger).
- A Microeconomic Evaluation of Rehabilitation of Long-term Sickness in Sweden, *Journal of Applied Econometrics*, 19, 375-396, 2004, doi:10.1002/jae.757 (jointly with M. Frölich, A. Heshmati).
- Statistically Assisted Programme Selection – International Experiences and Potential Benefits for Switzerland, *Schweizerische Zeitschrift für Volkswirtschaft und Statistik*, 139 (3), 311-332, 2003 (jointly with M. Frölich, H. Steiger).
- Almost Consistent Estimation of Panel Probit Models with 'Small Fixed Effects', *Econometric Reviews*, 22 (1), 1-28, 2003, doi:10.1081/ETC-120017972 (jointly with F. Laisney).
- Reply to Tomás Sobotka, *European Journal of Population / Revue européenne de Démographie*, 18, 209-210, 2002. doi:10.1023/A:1019795922300.
- Microeconomic Evaluation of the Active Labour Market Policy in Switzerland, *The Economic Journal*, 112, 854-893, 2002, doi:10.1111/1468-0297.00072 (jointly with M. Gerfin)
- Programme Heterogeneity and Propensity Score Matching: An Application to the Evaluation of Active Labour Market Policies, *The Review of Economics and Statistics*, 84, 205-220, 2002. doi:10.1162/003465302317411488.
- An Evaluation of Public Employment Programmes in the East German State of Sachsen-Anhalt, *Labour Economics: An International Journal*, 9, 143-186, 2002, doi:10.1016/S0927-5371(02)00039-8 (jointly with M. Eichler).
- Eine Übersicht über gängige Modelle der Panelökonometrie und ihre kausale Interpretation, *Allgemeines Statistisches Archiv*, 86, 125-143, 2002.
- Eine wirkungsorientierte aktive Arbeitsmarktpolitik in Deutschland und der Schweiz, *Perspektiven der Wirtschaftspolitik*, 3, 159-174, 2002. doi:10.1111/1468-2516.00084.
- Some practical issues in the evaluation of heterogeneous labour market programmes by matching methods, *Journal of the Royal Statistical Society, Series A, Statistics in Society*, 165, 59-82, 2002. doi:10.1111/1467-985X.0asp2.
- The Empirical Analysis of East German Fertility after Unification: An Update, *European Journal of Population*, 17, 61-74, 2001. doi:10.1023/A:1010792230291.

- An Evaluation of Public Sector Sponsored Continuous Vocational Training Programs in East Germany, *The Journal of Human Resources*, 35, 347-375, 2000.
- Mikroökonometrische Evaluierung berufsbezogener Rehabilitation in Schweden, *Schweizerische Zeitschrift für Volkswirtschaft und Statistik*, 136, 433-461, 2000 (jointly with M.Frölich, A.Heshmati).
- Wirkung der aktiven Arbeitsmarktpolitik der Schweiz auf die individuellen Beschäftigungschancen von Arbeitslosen, *Beiträge zur Arbeitsmarkt- und Berufsforschung* (BeitrAB), 33, IAB, Nürnberg, 396-404, 2000 (jointly with M.Gerfin).
- Earnings and Employment Effects of Continuous Off-the-Job Training in East Germany after Unification, *Journal of Business & Economic Statistics*, 17, 74-90, 1999.
- Nonparametric Bounds on Employment and Income Effects of Continuous Vocational Training in East Germany, *The Econometrics Journal*, 2, 1-28, 1999.
- The Effects of Enterprise-related Training in East Germany on Individual Employment and Earnings, *Annales d'Economie et de Statistique* (Special Issue on Panel Data), 55-56, 97-128, 1999.
- Work and Welfare of Single Mothers in Germany, *Économie Publique*, 3-4, 111-144, 1999 (jointly with F.Laisney, M.Staat, G.Wagenhals).
- Convenient Estimators for the Panel Probit Model, *Journal of Econometrics*, 87, 329-371, 1998, doi:10.1016/S0304-4076(98)00008-6 (jointly with I.Bertschek).
- Eine empirische Analyse der Geburtenentwicklung in den neuen Bundesländern aus der Sicht der neo-klassischen Bevölkerungsökonomie, *Zeitschrift für Wirtschaft- und Sozialwissenschaften* (ZWS), 118, 463-488, 1998.
- Die gemeinnützige Arbeitnehmerüberlassung in Rheinland-Pfalz – eine ökonometrische Analyse des Wiedereingliederungserfolgs, *Mitteilungen zur Arbeitsmarkt- und Berufsforschung*, 31, 558-577, 1998 (jointly with M.Almus, J.Egeln, F.Pfeiffer, H.Spengler).
- Estimation de modèles non linéaires sur données de panel par la méthode des moments généralisés, *Économie et Prévision*, 126, 191-203, 1996 (jointly with J.Breitung).
- Utilisation jointe de données de panel et d'informations agrégées dans l'estimation d'un modèle Probit, *Économie et Prévision*, 126, 177-189, 1996 (jointly with F.Laisney).
- Combining Panel Data and Macro Information for the Estimation of a Panel Probit Model, *Zeitschrift für Wirtschafts- und Sozialwissenschaften* (ZWS), 116, 339-358, 1996 (jointly with F.Laisney).
- East German Fertility After Unification: Crisis or Adaptation, *Population and Development Review*, 22, 331-358, 1996 (jointly with C.Conrad, W.Werner).
- Some Specification Tests for Probit Models Estimated on Panel Data, *Journal of Business & Economic Statistics*, 13, 475-488, 1995. Republished in B. Baltagi (ed.): *Recent Developments in the Econometrics of Panel Data*, Vol. 2, Ch. 5, 2003.
- Tax Illusion and Labour Supply of Married Women: Further Evidence From German Data, *Kyklos*, 48, 347-368, 1995 (jointly with H.König, F.Laisney, W.Pohlmeier).
- Some Recent Developments in Microeconometrics: A Survey, *Swiss Journal of Economics and Statistics*, 130, 299-331, 1994 (jointly with H.König).

- Seminonparametric Estimation of Binary-Choice Models With an Application to Labor-Force Participation, *Journal of Business & Economic Statistics*, 11, 61-80, 1993 (jointly with S.Gabler, F.Laisney).
- Alternative Interpretations of Hours Information in an Econometric Model of Labour Supply, *Empirical Economics*, 18, 393-415, 1993 (jointly with R.W.Blundell, F.Laisney).
- Expected Job Loss in East Germany Shortly Before German Unification, *Empirical Economics*, 18, 289-306, 1993 (jointly with F.Pfeiffer, L.Gieseke-O'Shea).
- Planning for Self-Employment at the Beginning of a Market Economy. Evidence from Individual Data of East German Workers, *Small Business Economics*, 5, 111-128, 1993, doi: 10.1007/bf01531910 (jointly with F.Pfeiffer).
- A Life Cycle Labour Supply Model with Taxes Estimated on German Panel Data: The Case of Parallel Preferences, *The Economic and Social Review*, 24, 335-368, 1993 (jointly with F.Laisney, A. van Soest, G.Wagenhals).
- Innovation Activity and Firm Heterogeneity: Empirical Evidence from West Germany, *Structural Change and Economic Dynamics*, 3, 301-320, 1992 (jointly with F.Laisney, W.Pohlmeier). doi:10.1016/0954-349X(92)90009-U.
- Semi-Nonparametric Estimation of Binary Choice Models Using Panel Data: An Application to the Innovation Behaviour of German Firms, *Recherches Économiques de Louvain*, 58, 330-343, 1992 (jointly with F.Laisney, W. Pohlmeier).
- Testing Logit Models in Practice, *Empirical Economics*, 16, 177-198, 1991, doi:10.1007/BF01193490.
- Lessons from Specification Tests for a Labour Supply Model, *Annales d'Économie et de Statistique*, 20/21, 193-217, 1991 (jointly with F.Laisney, S.Strøm).

Contributions to books

- Kausale Inferenz, in J. Gertheiss, M. Schmid, M. Spindler (eds.), *Moderne Verfahren der Angewandten Statistik*, Springer, 2024 (mit E. Brox und C. Steckenleiter).
- Predicting Match Outcomes in Football by an Ordered Forest Estimator, in R. H. Koning, Stefan Kesenne (eds.), *Sports Economics*, Chapter 22, 335-355, 2021, Edward Elgar (jointly with D. Goller, M.C. Knaus, G. Okasa).
- Recent Evidence on the Effects of Physical Activity on Human Capital and Employment, in P. Downward, B. Frick, B. Humphreys, T. Pawlowski, J. Ruseski, P. Soebbing (eds.), *Handbook of Sports Economics*, London: Sage, Chapter 7, 64-71, 2019 (jointly with C. Steckenleitner).
- Die ökonomische Analyse des individuellen Sporttreibens, in A. Güllich, M. Krüger (eds.), *Sport in Kultur und Gesellschaft*, doi: [10.1007/978-3-662-53385-7_5-1](https://doi.org/10.1007/978-3-662-53385-7_5-1), 2019, Springer (jointly with U. Schüttoff, T. Pawlowski).
- Empirical Evidence on Educational Effects of Physical Activity: Four Examples, in T. Pawlowski & M. Fahrner (eds.), *Arbeitsmarkt und Sport – eine ökonomische Betrachtung / Sport Labor Economics (Sportökonomie 19)*, 2017, Chapter A.1, 13-22, Schorndorf: Hofmann.

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- Treatment Effects and Panel Data, in B. Baltagi (eds.), *Panel Data*, Series: Oxford Handbooks, Oxford: Oxford University Press, 2014, Chapter 9, 257-284.
- Arbeitsmarktliche Beratung mithilfe von statistischen Prognosen – Auswahl von Massnahmen, in P. Mertens, und S. Rässler (eds.), *Prognoserechnung*, 7th ed., Heidelberg: Physica, 2012, 573-584 (jointly with M. Frölich, H. Steiger).
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- Parametric Binary Choice models, in P. Sevestre and L. Matyas (eds.), *The Econometrics of Panel Data*, 3rd edition, chapter 7, 2008, 215-245 (jointly with S. Lollivier, T. Magnac).
- Matching estimation of dynamic treatment models: Some practical issues, in D. Millimet, J. Smith, and E. Vytlacil (eds.), *Advances in Econometrics, Volume 21, Modelling and Evaluating Treatment Effects in Econometrics*, 2008, 289-333.
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- Die aktive Arbeitsmarktpolitik in den neuen Bundesländern, in J. Rangnitz (Ed.), *Zehn Jahre Deutsche Einheit: Bilanz und Perspektiven*, Halle: IWH, 2001, 148- 168 (jointly with M. Eichler).
- Identification and Estimation of Causal Effects of Multiple Treatments under the Conditional Independence Assumption, in M. Lechner, F. Pfeiffer (Eds.), *Econometric Evaluation of Labour Market Policies*, Heidelberg: Physica, 2001, 43-58.
- The Impact of Non-profit Temping Agencies on Individual Labour Market Success in the West German State of Rhineland-Palatinate, in M. Lechner, F. Pfeiffer (Eds.), *Econometric Evaluation of Labour Market Policies*, Heidelberg: Physica, 2001, 211-230 (jointly with F. Pfeiffer, H. Spengler, M. Almus).

- Public Sector Sponsored Continuous Vocational Training in East Germany: Institutional Arrangements, Participants, and Results of Empirical Evaluations, in R.T. Riphon, D.J. Snower und K.F. Zimmermann (Eds.): *Employment Policy in the Transition: Lessons from German Intergration*, 2001, Heidelberg: Springer, 208-253 (jointly with M.Eichler).
- Alternative GMM Methods for Nonlinear Panel Data Models, in L. Mátyás (Ed.), *Generalized Methods of Moments Estimation*, Cambridge University Press, Cambridge, 1999, 248-274 (jointly with J.Breitung).
- Mikroökonomische Evaluationsstudien: Anmerkungen zu Theorie und Praxis, in F. Pfeiffer, W. Pohlmeier (Eds.), *Qualifikation, Weiterbildung und Arbeitsmarkterfolg*, ZEW-Wirtschaftsanalysen, Band 31, Nomos, Baden-Baden, 1998, 13-38, 1998.
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- On the Dynamics of Process Innovative Activity: An Empirical Investigation Using Panel Data, in K. Oppenländer, G. Poser (Eds.), *The Explanatory Power of Business Cycle Surveys*, Avebury: Aldershot, 1994 (jointly with H. König, F. Laisney, W. Pohlmeier).
- Estimation of Limited Dependent Variable Habit Persistence Models on Panel Data with an Application to the Dynamics of Self-employment in the former East Germany, in H.Bunzel, P.Jensen, N.Westergård-Nielsen (Eds.), *Panel Data and Labour Market Dynamics*, Amsterdam: North-Holland, 263-283, 1993.
- Die Einbeziehung von Steuern in Modelle des Arbeitsangebotes im Lebenszyklus, in W.Franz (Ed.), *Mikro- und makroökonomische Aspekte der Arbeitslosigkeit*, Nürnberg: IAB, 1992 (jointly with F.Laisney).
- Das Arbeitsangebot verheirateter Frauen im Lebenszyklus: Eine deskriptive Analyse einer Längsschnittstichprobe aus dem Sozio-ökonomischen Panel, in U.Rendtel, G.Wagner (Ed.), *Lebenslagen im Wandel: Zur Einkommensdynamik in Deutschland seit 1984*, Frankfurt: Campus, 1991 (jointly with I.Bertschek, I.M.Ulloa).

Other publications

- Sports, exercise, and labor market outcomes: Increasing participation in sports and exercise can boost productivity and earnings, *IZA World of Labor*, 2015, doi: 10.15185/izawol.126, <http://wol.iza.org/sports-exercise-and-labor-market-outcomes> (featured in *Bild, Welt, Zeit* and several other newspapers).
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Erfolgreiche Weiterbildung - Wenn die Sperre aufgehoben ist, *IAB-Forum*, 2/2005, 36-55 (jointly with R. Miquel, C. Wunsch).

Interview für den *Bildungsbrief* zum Thema Wirkungs von Fortbildungsmassnahmen, 5/2005.

Interview für Panorama zum Thema Sockelarbeitslosigkeit, 5/2005.

Mikroökonomische Evaluation aktiver Arbeitsmarktpolitik, *NFPNR 43, Synthesis*, 16, 2004 (jointly with M. Frölich, H. Steiger).

Microeconomic Analysis of the Structure and Dynamics of Swiss Unemployment, Final report on NFPNR 45-59673, 2004 (jointly with P. Puhani, D. Djurdjevic).

Neues Auswahlinstrument steigert Wirksamkeit, *Panorama*, 38-39, 2, 2003 (jointly with M. Frölich, H. Steiger)

Nobelpreis für die empirische Wirtschaftsforschung, *WISU*, 1449-1450, 11 / 2000.

Evaluationsprogramm Arbeitsmarktpolitik: Ökonometrische Evaluation der arbeitsmarktlichen Massnahmen, *seco Publikationen Arbeitsmarktpolitik*, 7, 3.2000 (jointly with M. Gerfin).

Ökonometrische Evaluation der arbeitsmarktlichen Massnahmen der Schweiz, *Die Volkswirtschaft - Wirtschaftspolitik*, 4/2000, 16-18, 2000.

Evaluation économétrique des mesures de marché du travail en Suisse, *La vie économique – Revue de politique économique*, 16-18, 2000 (jointly with M. Gerfin).

- Discussion of J.Heckman, L.Lochner, J.Smith, C.Taber: The Effects of Government Tax, Education and Training Policy on Human Capital Investment and Wage Inequality, in H.König (Ed.), *Proceedings of the Third Symposium of the German-American Academic Council Foundation*, 340-348, 1998.
- Discussion of O.Hübler, A.König: Produktmarkteinflüsse, Renten und Löhne, in K.Gerlach, O.Hübler und W.Meyer (Ed.), *Ökonomische Analysen betrieblicher Strukturen und Entwicklungen*, Frankfurt: Campus, 1998.
- Discussion of F.Büchel, U.Rendtel, J.Schwarze: Einkommenseffekte von Arbeitslosigkeit und Kurzarbeit, in H.König und V.Steiner (Ed.), *Arbeitsmarktdynamik und Unternehmensentwicklung in Ostdeutschland*, Baden-Baden: Nomos, 1994.
- Labour Market Dynamics and Employee Expectations in East Germany Following Unification, R.V.Burkhauser and G.G.Wagner (Eds.), *Vierteljahreshefte zur Wirtschaftsforschung: Proceedings of the 1993 International Conference of German Socio-Economic Panel Study Users*, 1 / 2, 75-80, 1994 (jointly with F.Pfeiffer, G.Wagner).
- Der Weg in die selbständige Erwerbstätigkeit am Beginn der Marktwirtschaft, *ZEW Wirtschaftsanalysen*, 1, 45-65, 1993 (jointly with F.Pfeiffer).
- BSNP-A GAUSS Program for Semi-Nonparametric Maximum Likelihood Estimation of Binary Choice Models, in F.Faulbaum (Ed.), *Advances in Statistical Software*, Stuttgart: Fischer, 1992 (jointly with S.Gabler, F.Laisney).
- Die Arbeitsmarkterwartungen in der DDR kurz vor der Währungsunion, *Vierteljahreshefte zur Wirtschaftsforschung*, 1 / 2, 39-49, 1991 (jointly with F.Pfeiffer, G.Wagner).

OTHER INFORMATION

Presentations since 1999 (academic)

Invited lectures at conferences and workshops

Scientific

- "Econometric Evaluation with Observational Data", IWH-Workshop *Evaluation of Labor Market Policy and Welfare Programs*, Institut für Wirtschaftsforschung, Halle, 9.12.99.
- "Some practical issues in the evaluation of heterogenous labour market programmes by matching methods", Conference on *The Evaluation of Economic and Social Policies*, Royal Statistical Society, London, 4.7.00.
- "Panel data econometrics", *German Statistical Association*, Dortmund, 23.9.01.
- "Effects of different wage subsidy programmes", University College Dublin workshop on *labour market policy*, 18.4.02.
- "Effects of different wage subsidy programmes", Workshop on *The Evaluation of Labour Market Policies*, LABOR, University of Turino, 11.3.02.

"Evaluation of Active Labour Market Policies", Workshop on *Causal Analysis*, Nürnberg, 18.9.03.

"Sequential Matching Estimation", ESRC Econometric Study Group, Bristol, 16.7.04.

"Wirkungen von Qualifikationsmassnahmen", Annual conference of the Träger der Beruflichen Bildung and Technical College Bielefeld (FMH), München, 21.2.05.

"Aktive Arbeitsmarktpolitik in den neuen Bundesländern", Panel discussion at the Annual Meeting of the German Economic Association, Bayreuth, 27.9.06.

"Sequential Potential Outcome Models to Analyze the Effects of Fertility on Labor Market Outcomes", Conference on Causal Analysis in Population Studies, Vienna, 30.11.-1.12.06.

"Are the effects of training related to the unemployment rate?", Conference on the Evaluation of Labour Market Programmes, Uppsala, 17.-20.6.2007.

"Semiparametric Estimation of Dynamic Causal Models", Invited Session on Matching Methods, Joint Statistical Meeting (JSM), Salt Lake City, 29.7.-2.8.2007.

"Unemployed and their case workers: Should they be friends or foes?", Conference on New Aspects of Active Labour Market Policies, Aarhus (Ebelhoft), 10.-12.12.2008.

"Kids or Courses?", 4th European Workshop on Labour Markets and Demographic Change, Vienna, 14.5.2009.

"Matching Estimators", Statistische Woche ("Empirische Arbeitsmarktforschung"), Nuremberg, 14.9.2010.

"Statistically Aided Programme Selection", First Marbach Conference on „Evidence Based Educational Policy - Results from and Advantages of Experimental Evidence“, Marbach, 27.11.10.

"Matching Estimators", Opening Workshop of the Centre for Research in active labour market policy effects (CAFÉ), Aarhus, 3.12.10.

"Sensitivity of matching-based program evaluations to the availability of control variables", II Workshop on Economics of Education: Evaluation of Educational Policies, Institut d'Economia de Barcelona, Barcelona, 9.9.11.

"Sports and Child Development", PhD workshop of the Swiss School of Public Health, Grindelwald, 1.2.2012.

"Evaluation of Policy Reforms", SFB 884 Research Conference, "Do firms benefit from active labour market programmes", 13.12.2012.

"Der Effekt von aktiver Arbeitsmarktpolitik auf Firmen", Statistische Woche, Berlin, 17.9.2013.

"Common support and matching estimation", 2nd Meeting of the International Society of Nonparametric Statistics, Cadiz, 16.6.2014.

"Labour market effects of physical activity", Keynote speech at the annual meeting of the European Sports Economics Association, Antwerp, August, 2014.

"Mozart or Pelé? On the effects of music and sports on child development outcomes", Conference in Honor of Francois, Laisney, University of Strasbourg, 4.6.2015.

"Labour market effects of physical activity", Conference in Honor of Pietro Balestra, University of Lugano, 15.6.2015.

- “Educational effects of physical activity”, Keynote speech at the annual meeting of the German Working Sports Economics (‘AK Sportökonomie’), University of Tübingen, Germany, 13.5.2016.
- “Inference for matching methods”, Invited talk at the Statistische Woche, Augsburg, 13.9.2016.
- “Inference for matching methods”, Opening key note lecture at the conference “Counterfactual Methods for Policy Impact Evaluation”, Milano, 20.10.2016.
- “Effect heterogeneity in Swiss job search programmes: a principled approach”, Invited talk at the conference on labour market policy, University of Barcelona, 20.4.2017.
- “Educational Effects of Physical Activity”, 2017 FISU World Conference on Development through Sport, Taipeh, 28.8.2017.
- “Predicting League Outcomes in Soccer», EASM conference, PhD workshop, Magglingen, 5.8.2017.
- “Heterogenous Employment Effects of Job Search Programmes: A Machine Learning Approach”, Coupling and Causality in Complex Systems, Cologne, 27.9.2017.
- “Causal Machine Learning in Labour Economics”, Retreat of the labour economics section of the University of Aarhus, 15.8.2018.
- “Using Sports in Economics and Management Research”, ECASE, Rotterdam, 8.2.2019.
- “Modified Causal Forests for Estimating Heterogeneous Causal Effects”, Economics and Management in the Area of Data Science (EMbeDS), St. Anna School of Advanced Studies, Pisa, 26.11.2019.
- “Priority to Unemployed Immigrants? A Causal Machine Learning Evaluation of Training in Belgium”, Keynote lectures at Online workshop *Causality in the Social Sciences II*, German Center for Higher Education Research & akademie für Soziologie, Hannover, 9.10.2020, and *Machine Learning in Labor, Education, and Health Economics* at the Institute for Employment Research (IAB), Nuremberg, Nov., 20, 2020 (online), Invited Session on Causal Machine Learning at the Annual Meeting of the Swiss Society for Economics and Statistics, 11.6.2021 (online); Invited Session on Causal Machine Learning, at the *Data Science, Statistics & Visualisation (DSSV)* conference, 7.7.2021 (online).
- “Causal Machine Learning”, Keynote lecture at the Annual Meeting of the Verein für Socialpolitik (German Economic Association), Basel, 12.9.2022.
- “Comprehensive Causal Machine Learning”, Invited session at CompStat, Giessen, 30.8.2024.
- “Comprehensive Causal Machine Learning”, Invited session at the Annual Meeting of the Verein für Socialpolitik, Berlin, 17.9.2024.
- “Causal Machine Learning: New Empirical Tools for Sports Economics”, Keynote presentation at the workshop ‘Data Science in Sports’, Tübingen, 13.3.2025.

Policy

- "Characteristics of Employment Offices and Individual Reemployment Chances: Some Empirical Results for Switzerland", Conference on Anwendungsorientierte Evaluation aktiver Arbeitsmarktpolitik für die öffentliche Arbeitsverwaltung of the Bundesagentur für Arbeit (EU-D 2007), Nuremberg, 12.-13.6.2007.
- "The individual effects of the German Active Labour Market Policy", Public Conference on the Evaluation of Active Labour Market Policies of the French Department of Labour, Paris, 25.11.2009.

"Evaluation of Labour Market Programmes: Lessons for MENA countries", World Bank conference on the labour markets in the MENA countries, Marseille, 12.3.2010.

"The Effects of the German Active Labour Market Policies", EU Policy Conference on Active Labour Market Policies, Antwerpen, 29.10.10.

"The Effects of the German Training Programs", OECD Policy Conference on Activation Policies, Paris, 14-15.11.2011.

"Case Workers and Successful Active Labour Market Policies", International Conference on Active Labor Market Policies organized by DARES, Department of Labor, Paris, 14.-15.2.2013.

"Causal machine learning and its use for public policy", OECD technical workshop, Paris, 10.2023.

"Causal machine learning and its use for public policy", Unicef workshop, Geneva, 7.3.2024.

"Causal machine learning and its use for public policy", 3rd Annual GBA Plus Conference, Department of Employment and Social Development, Government of Canada, online, 7.5.2024.

Seminars at academic departments and research institutes

University of Basel, Economics Department, 15.11.99; Institut Zukunft der Arbeit (IZA), Bonn, 15.2.00; University of Zürich, Economics Department, 12.4.01; University of Bonn, Economics Department, University of Darmstadt, Economics Department, 8.2.05, 21.6.01; University of Geneva, Department of Econometrics, 23.1.02; University of Kiel, Economics Department, 22.4.02; University of Konstanz, Economics Department, 23.4.02; University of Mannheim, Department of Economics, 21.5.02; University of Heidelberg, Economics Department, 29.10.03; University of Essen-Duisburg, Economics Department, 20.11.03, ZEW, Mannheim, 14.10.05, University of Zürich, Economics Department, 23.11.05; Institut für Arbeitsmarkt- und Berufsforschung, 24.5.07; University of Freiburg, Economics Department, 8.1.08; Institut für höhere Studien (HIS), Wien, 13.5.09; Institut Zukunft der Arbeit (IZA), Bonn, 20.5.09; University of Tübingen, Department of Economics, 12.1.10; University of Giessen, Department of Economics, 10.2.10; University of Frankfurt, Department of Economics, 3.4.11; University of Linz, Economics Department, 14.3.12; University of Heidelberg, Department of Economics, 10.12.2012; Humboldt-University Berlin, Department of Economics, 11.12.12; IZA, Bonn, 5.11.13; University of Lugano, Department of Economics, 25.2.2014; University of Essen-Duisburg, Department of Economics, Essen, 27.5.2014; University of Zurich, Department of Business Economics, 13.10.2015; University of Fribourg, CH, Department of Economics, 7.12.2017; Universität Hamburg, HCHE, 6.5.2019, Munich University, Department of Economics, 3.12.2019; Joint Research Seminar in Statistics of the Economics Departments of the Universities of Giessen and Marburg, 8.6.2021; Management Research Seminar, Universität Tübingen, 22.6.2022; University of Bern, Department of Economics, 25.3.2024.

Université Louis Pasteur, Strasbourg, C.R.S.E.G., 5.3.99; Stockholm School of Economics, Department of Economic Statistics, 18.8.99; Stockholm University, SOFI, 19.8.99; Uppsala University, IFAU, 20.8.99, 10.5.00; London School of Economics, Center for Economic Performance, 26.1.01; Tilburg University, CENTER, 26.6.01; Cambridge University, Department of Economics, 14.11.01; INSEE-CREST, Malinvaud Seminar, 8.3.02; Universitat Juan Carlos III, Department of Econometrics and Statistics, Madrid, 10.5.02; Tinbergen Institute, Amsterdam, 25.3.03; Aarhus University, Department of Economics, 8.4.05; Bergen University, Department of Economics, 29.4.05; University of Aarhus,

Department of Economics, 20.12.06; Bank of Italy, Ente Einaudi, Rome, 8.3.07; University of Rome Tor Vergata, Department of Economics, 9.3.07; Tinbergen Institute, Erasmus University Rotterdam, 6.10.08; C.E.M.F.I., Madrid, 16.10.08; Universität Toulouse, GREMAQ, Toulouse, 16.3.09; University of Leuven, Econometrics Seminar, 16.3.2010; The Einaudi Institute for Economics and Finance, Roma, Research Seminar, 8.6.10; University of Alicante, Economics Research Seminar, 19.11.10; EIEF, Roma, Italy, 8./12./14.4.11; University of York, Health Economics Seminar, 17.4. 12; University of Loughborough, UK, 9.5.12; Research Institute for the Evaluation of Public Policies (FBK/IRVAPP), Trento, Italy, 7.3.13; University of Aarhus, Department of Economics, 24.10.2014; University of Odense, Department of Economics, 27.10.2014; University of Copenhagen, Department of Economics, 28.10.2014; Joint Research Center of the European Commission, Ispra, 21.5.2015; Tinbergen Institute, Rotterdam, 15.2.2016; University of Nottingham, Department of Economics, 18.2.2016; University College London, Institute of Education, 19.2.2016, London; University of Maastricht, DUHR seminar, 4.4.2017; IAB, Nürnberg, 31.5.2017; Center for Economic Analysis (Samfunnsøkonomisk analyse), Oslo, 9.6.2017; FEDEA, Madrid, 4.5.2018; LISER, Luxembourg, 8.5.2018; University of Ghent, Department of Economics, 28.1.2019, Molde University College, Norway, Faculty of Business Administration and Social Sciences, 2.4.2019; Aix-Marseille School of Economics, Marseille, 14.2.2022, University of Reading, Roses Online Sports Economics Seminar, 29.4.2022, Economics Department Aarhus University, Aarhus, 4.11.2022, Department of Economics, University of Orebro, 3.Mai, 2023, Collegio Carlo Alberto, Turino, 18.6.2024.

Texas A & M, Economics Department, 2.3.00, Rice University, Economics Department, 3.3.00, University of Chicago, Economics Department, 8.3.00; University of California at Los Angeles (UCLA), Economics Department, 9.3.00; University of Western Ontario, Economics Department, 13.3.00; University of Maryland at Washington, Economics Department, 18.6.02; Syracuse University, Economics Department, 20.6.02, University of Melbourne, Public Policy Institute, 21.2.05; Queens University, Kingston, Economics Department, 2.6.05; Michigan State University, East Lansing, 29.9.05; Department of Economics, University of Michigan, Ann Arbor, Department of Economics, 30.9.05; Michigan University, Ann Arbor, Department of Statistics, 30.9.05; Columbia University, New York, 4.5.06; Bar-Illan University, Department of Economics, Tel-Aviv, 15.5.09; University of Saskatchewan, Saskatoon, 12.3.2011; University of Wisconsin at Madison, IPR, 4.10.2018; University of Wisconsin at Madison, Department of Economics, 5.10.2018, University of California at Berkeley, Department of Economics, 1.11.2018, University of California at Davis, Department of Economics, 2.11.2018, University of California at Irvine, Department of Economics, 5.11.2018, University of California at Los Angeles, Department of Economics, 7.11.2018, University of California at San Diego, Department of Economics, 9.11.2018.

Fondo per la Repubblica Digitale, Turino, 18.6.2024.

Seminars at private companies

Amazon Research Seminar, Seattle, 26.11.2018.

Citigroup CGDI Ideation Hub, 20.6.2024.

Conferences

European Meeting of the Econometric Society (ESEM) and the European Economic Association (EEA), Santiago de Compostela (ESEM), 28.8.-2.9.99, Bozen (EEA), 30.8.-2.9.00, Lausanne (ESEM), 27.8.-1.9.01, Barcelona, 23.-28.8.09.

North American Meeting of the Econometric Society, Los Angeles, UCLA, 20.-25.6.02, Chicago, North-Western, 25.-30.6.03.

World Meeting of the Econometric Society, Seattle, 11.-16.8.00.

Econometric Society EC 2 meeting, London, 12.-13.12.03.

Conference on Panel Data, Geneva, 22.-23.6.00, Bonn, 3.-4.7.09, Montreal, 8.-10.7.2011.

Annual Meeting of the European Association of Labour Economics, Regensburg, 24.9.-26.9.99, Ljubljana, 18.-21.9.2014.

Annual Meeting of the Society of Labor Economics, Austin (TX), 20.-21.4.01, Boston, 2.-3.5.06, Chicago, 4.-5.5.07.

World Meeting of the Societies of Labour Economics, Mailand, 23.-25.6.00, San Francisco, 2.-4.6.05, London, 17.-19.6.10, Montreal, 26.-28.6.2015.

Annual Meeting of the German Economic Association, Mainz, 29.9.-1.10.99, Magdeburg, 26.-28.9.01, Graz, 24.-26.9.08, Kiel, 8.-10.9.2010, Hamburg, 8.-10.9.2014, Basel, 13.9.2022.

Annual Meeting of the Swiss Society for Economics and Statistics, Geneva, 26.-27.6.09.

Annual meeting of the German Statistical Society, Nuremberg, 24.3.2010, 22.3.2019.

2nd European Conference in Sport Economics, Cologne, 5.-6.10.2010.

Conference of the International Association of Health Economics, Toronto, 11.-13.7.2011.

Annual meeting of the Western Economic Association International, Honolulu, 29.-2.7.2015.

Annual Meeting of the European Sports Economics Association, Zurich, 27.-28.8.2015, Groningen, 31.8.-2.9.2016.

Computational Statistics and Finance, London, 15.-18.12.2017.

International Society of Applied Econometrics, Nicosia, 25.-28.6.2019.

International Biometrics Society, Lausanne, 9.-12.9.2019.

Workshops

Evaluation of Labour Market Policies, Bundesanstalt für Arbeit (IAB), Nürnberg, 28.-29.10.99.

Evaluation of Labour Market Policies, Institut Zukunft der Arbeit, Berlin, 29-30.11.99, Washington, 2-3.10.2009, Malaga, 28.-31.8.2012.

Improving Labor Market Policies by the Evaluation of their Impact, Institut Zukunft der Arbeit, Bonn, 1.6.2001.

Labour Markets in Transition Economies, IZA und William Davidson Institute, Bonn, 26.-27.5.2000.

Symposium zum Gedenken an Heinz König, ZEW, Mannheim, 21.11.2003.

Transatlantic Labor Workshop, Institut Zukunft der Arbeit und SOLE, Buch am Ammersee, 7.-8.6.2002.

SPEAC workshop, Canberra, 23.2.2005.

Conference of the Institute of Poverty Research at University of Wisconsin in Madison, 20.6.2006.

Cost A23 meeting in Essen, 20.10.2006.

Regular workshops of the sections of the German Economic Association (latest Econometrics, Konstanz, 7.4.-9.4.22).

Workshops of the Social Science section of Leopoldina (Mannheim, 28.2.2008, Zürich, 6.3.2009).

Conference on Empirical Health Economics, München, 20.3.2010.

5th Gijon Conference on Sports Economics, Gijon, 9.5.2010.

Ifo network conference on Social Security, Munich, 15.5.2010.

Policy Evaluation in Health Care and Labour Markets, 18.12.2015.

Machine Learning in Economics and Econometrics, 30.5.2017.

Labour Market Institutions, IZA, online workshop, 11.9.2020.

COMPIE 2021, Mannheim (online), 24.6.2021.

Presentations at government agencies (since 2007)

Staatsekretariat für Wirtschaft (seco, 18.1.2007); Bundesamt für Sozialversicherung, BSV, Forschungsseminar (Bern, 3.2007); Bundesministerium für Arbeit und Soziales (Wien, 12.3.2007); Aufsichtskommission der Arbeitslosenversicherung (Bern, 27.3.2007); Bundesagentur für Arbeit, Spitzengespräch zur aktiven Arbeitsmarktpolitik (Nürnberg, 21.2.08); Bundesministerium für Arbeit und Soziales, Evaluation von Massnahmen für Behinderte (Berlin, 25.3.09); HM Treasury, Dynamic Evaluation of Active Labour Market Policies (London, 14.6.10); Summercamp of the Danish Department of Labour (Vijle, 14.6.11, 'Does the background of the caseworker have any influence on the outcome of the interview'); Bundesministerium für Arbeit und Soziales (Berlin, 6.11.2012, „Methodische Aspekte der deutschen Mindestlohnevaluation“).

Other presentation

Annual meeting of the Swiss Society of Sport Medicine, St. Gallen, 1.11.13.

Annual meeting of the 'Arbeitskreis Sportökonomie', Magglingen, 5.5.11.

Annual meeting of the *Ausschusses für Bevölkerungsökonomie* des Vereins für Socialpolitik, Zürich, 4.-5.2.00; Wittenberg, 1.-3.2.02, Wien, 13.-14.2.04, Essen, 12.-14.2.09.

Annual meeting of the *Ausschusses für Bildungsökonomie* des Vereins für Socialpolitik, Konstanz / Kreuzlingen, 9.-10.3.06, 22.-23.3.07.

Annual meeting of the *Ausschusses für Ökonometrie* des Vereins für Socialpolitik, Rauischholzhausen, 25.-26.3.99, 28.2.-2.3.02.

Meeting of the *Studiengruppe Ökonometrie und Statistik* der Schweizerischen Gesellschaft für Volkswirtschaftslehre und Statistik, Zürich, 27.5.99.

UNIDEC, Paris, 19.4.00.

Symposium of the Ministerium für Wirtschaft und Technologie, *Zehn Jahre deutsche Einheit – Bilanz und Perspektiven*, Berlin, 6.9.00.

Expertengespräche der Hanns-Seidel Stiftung München, 21.4.02.

Arbeitsmarkttagung des Kantons St. Gallen, 22.5.02.

INFRAS, Zürich, 10.11.03.

Academic services

Editorial tasks

Coeditor of *Empirical Economics* (2014-2017).

Coeditor of the *German Economic Review* (2013-2017).

Member of the Advisory Board of the *Journal of Labour Market Research* (since 2013).

Co-Editor of *economics* (since 2006).

Member of the Editorial Board of *Foundations and Trends in Econometrics* (since 2004).

Associate editor of *Econometric Reviews* (2010-2013).

Member of the Editorial Board of the *German Economic Review* (2012-2013).

Associate editor of the *Journal of Labor Economics* (2008-2012).

Associate editor of the *Swiss Journal of Economics and Statistics* (2007-2010).

Associate editor of *Labour* (2006-2012).

Co-editor of a Special Issue of *Empirical Economics* on Programm Evaluation (2013).

Associate editor of *Empirical Economics* (2002-2006).

Conferences – scientific organiser

Econometric Evaluations of Active Labour Market Policies in Europe, ZEW, Mannheim, 25.6.-26.6.1999 (jointly with F. Pfeiffer, ZEW).

The 10th *International Conference on Panel Data*, Berlin, 2002 (chair of the Scientific Committee).

Frontiers of Evaluation Research in Labour Economics, ZEW, Mannheim, 22-24.10.2004 (jointly with B. Fitzenberger, R. Hujer, J. A. Smith, A. Spermann).

Empirical Evaluations of Labour Market Policies, Nürnberg, 16-17.6.05 (jointly with S. Bender, S. Rässler, J. A. Smith).

European Conference on Long-term Care, Mannheim, 21-22.10.2004 (jointly with R. Schnabel, J. A. Smith, A. Spermann).

3rd Conference on Policy Evaluation, ZEW, Mannheim, 27.-28.10.2006 (jointly with B. Fitzenberger, R. Hujer, J. A. Smith, A. Spermann).

Co-organiser of the 15th International Conference on Panel Data, Bonn University, Bonn, 2009.

Member of the Board of the Programme Committee for the Annual Meeting of the *German Economic Association*, Innsbruck, 2002, Magdeburg, 2009.

Member of the Board (Local Programme Committee) of the *European Conference on Health Economics*, Zürich, 2012.

Organiser of the 1st and 2nd Sports Economics Day at the University of St. Gallen, 2013, 2014.

Member of the Scientific Committee of the annual conference of the International Association for *Applied Econometrics* (IAAE), London, 2014, Thessaloniki, 2015, Milan, 2016, Sapporo, 2017, Montreal, 2018.

Organiser of the workshop *Sports and Human Capital* at the 21st Sportwissenschaftlichen Hochschultag der Deutschen Vereinigung für Sportwissenschaft, Konstanz, 2013.

European Association of Labour Economics Annual Meeting, St. Gallen, 2017 (local organizer jointly with Winfried Königer).

Workshop *Causal Machine Learning*, St. Gallen, 2020 (jointly with M. Knaus, A. Strittmatter).

Refereeing

American Economic Review, Annales d'Économie et de Statistique, Australian Journal of Labour Economics, Contemporary Economic Policy, Eastern Economic Journal, Econometric Reviews, Econometrica, Economics and Human Biology, Empirical Economics, European Economic Review, European Journal of Health Economics, European Journal of Political Economy, European Journal of Sport Science, European Journal of Population, Evaluation Review, Foundations of Science, German Economic Review, International Economic Review, International Journal of Forecasting, International Journal of Manpower, International Journal of Forecasting, International Journal of Sports Finance, International Labour and Industrial Relations Review, IZA Journal of Labor Market Policy, Health Economics, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Causal Inference, Journal of Comparative Economics, Journal of Development Economics, Journal of Economic Integration, Journal of Economic Policy, Journal of Econometrics, Journal of Economic Literature, Journal of Health Economics, Journal of Human Resources, Journal of Labor Economics, Journal of the Royal Statistical Society - Series A, Journal of Public Economics, Journal of Population Economics, Journal of Sports Economics, Journal of Sports Sciences, Journal of Statistical Planning and Inference, Journal of Urban Economics, Labour: Review of Labour Economics and Industrial Relations, Labour Economics: An International Journal, Oxford Bulletin of Economics and Statistics, Quantitative Economics, Regional Science and Urban Economics, Research in Labor Economics, Review of Economics and Statistics, Review of Economic Studies, Review of Income and Wealth, Small Business Economics, Sports Economics Review, Sport Management Review, The Economic Journal, The Scandinavian Journal of Economics.

Artificial Intelligence Review, Journal of Machine Learning Research, Technology in Society, International Journal of Information Technology and Decision Making.

Biometrika, BMC Medical Research Methodology, Demography, Social Science Quarterly.

Allgemeines Statistisches Archiv, Ifo-Studien, Jahrbücher für Nationalökonomie und Statistik, Konjunkturpolitik (Applied Economics Quarterly), Mitteilungen aus der Arbeitsmarkt- und Berufsforschung, Perspektiven der Wirtschaftspolitik, Schmalenbachs Zeitschrift für betriebswirtschaftliche Forschung, Zeitschrift für Betriebswirtschaft, Schweizerische Zeitschrift für Volkswirtschaft und Statistik

Kluwer Publishers, Springer (Statistics).

Agence National de la Recherche (F), European Research Council (ESRC), German National Science Foundation (DFG, D), National Science Foundation (USA), Social Sciences and Humanities Research Council (Canada), Swiss National Science Foundation (CH), Wissenschaftsfonds (Austria), Humboldt Stiftung (D), Fritz Thyssen Stiftung für Wissenschaftsförderung (D), Deutscher Akademischer Austauschdienst (DAAD, D), Team member of AACSB International Visit (2010), Evangelisches Studentenwerk Villigst (D).

Conferences - member of scientific and programme committees

Programme Committee of the conference “Counterfactual Methods for Policy Analysis (COMPIE)” organised by the European Commission, Roma, 2014, Amsterdam, 2024.

Programme Committee of the first conference of the International Association for Applied Econometrics, London, 2014, Thessaloniki, 2015, Milan, 2016.

Programme Committee of the *Econometric Society European Meetings (ESEM)*, Toulouse, 1997, Santiago de Compostela, 1999, Lausanne, 2001, Stockholm, 2003, Madrid, 2004, Budapest, 2008, Barcelona, 2009, Oslo, 2011.

Programme Committee of the EC2 meeting, 2012.

Programme Committee of the *European Economic Association Annual Congress*, Barcelona, 2009.

Programme Committee of the *European Society of Population Economics*, London, 2008.

Referee for the Annual Meeting of the *German Economic Association*, Magdeburg, 2001, Graz, 2008, Kiel, 2010, Frankfurt, 2011, Düsseldorf, 2013.

Permanent Scientific Committee of the *International Conferences on Panel Data* (since 1996).

Scientific Committee of the *6th International Conference on Panel Data*, Amsterdam, 1996, *7th International Conference on Panel Data*, Paris, 1997, *8th International Conference on Panel Data*, Göteborg, 1998, *9th International Conference on Panel Data*, Genf, 2000, *10th International Conference on Panel Data*, Berlin, 2002, *11th International Conference on Panel Data*, Texas A&M University, College Station, 2004, *13th International Conference on Panel Data*, Cambridge University, Cambridge, 2006, *15th International Conference on Panel Data*, Bonn University, 2009, *16th International Conference on Panel Data*, University of Amsterdam, 2010, *17th International Conference on Panel Data*, Montreal, 2011,

18th International Conference on Panel Data, University of Amsterdam, 2012, 19th International Conference on Panel Data, London, 2013, 20th International Conference on Panel Data, Tokyo, 2014.

Programme Committee of the *Econometric Evaluation of Public Policies: Methods and Applications*, Paris, 14-16.12.2005.

Research grants and government consulting

Research funding institutions

<i>Topic</i>	<i>Years</i>	<i>Funding agency</i>
Schätzung von Lebenszyklusmodellen des Arbeitsangebots auf Paneldaten	1990 - 1994	Deutsche Forschungsgemeinschaft (Sachbeihilfe Prof. König)
Wirtschaftspolitik und Veränderungen in der Einkommensverteilung	1993 - 1995	Anglo-German Foundation
Human capital formation in Germany and the USA	1998 - 2000	German American Academic Council
Fortbildung, Umschulung und ABM in den neuen Bundesländern	1995 - 1998	German National Science Foundation
Fortbildung, Umschulung und ABM in den neuen Bundesländern	1998 - 2000	Swiss National Science Foundation
Mikroökonomische Evaluation der aktiven Arbeitsmarktpolitik	2000-2003	Swiss National Science Foundation
Mikroökonomische Untersuchungen zur Struktur und Dynamik der Arbeitslosigkeit in der Schweiz	2000-2003	Swiss National Science Foundation
Education, Training and Labor Market Search: Policy Analysis With a General Equilibrium Model for Switzerland	2002-2004	Swiss National Science Foundation
Microeconometrics - two PhD grants as part of the FoDoc/ProDoc initiative	2008-2011	Swiss National Science Foundation
Labour supply and child care (NFP 60)	2010-2012	Swiss National Science Foundation
Sports activities and labour market outcomes	2012	Swiss National Science Foundation
Identifying causal mechanisms in empirical economics	2012-2014	Swiss National Science Foundation
Labour market effects of sports related public expenditures	2016-2018	Swiss National Science Foundation & German National Science Foundation
Causal analysis with Big Data	2017-2020	Swiss National Science Foundation (NFP75 Big Data)

Chances and risks of data-driven decision making for labour market policy	2020-2024	Swiss National Science Foundation (NFP77 Digital Society)
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National government agencies (project lead)

<i>Topic</i>	<i>Years</i>	<i>Funding agency</i>
Evaluation der aktiven Arbeitsmarktpolitik in der Schweiz	1998 - 2000	Staatssekretariat für Wirtschaft (seco), CH
Wirksamkeit von FuU-Massnahmen: Ein Evaluationsversuch mit prozessorientierten Daten	2000-2006	Bundesanstalt für Arbeit (IAB), D
Statistisch assistierte Programmselektion	2002	Staatssekretariat für Wirtschaft (seco), CH
Die Beschäftigungswirkungen der FbW-Massnahmen 2000-2002 – Eine Evaluation auf Basis prozessproduzierter Daten des IAB	2002-2007	Bundesanstalt für Arbeit (IAB), D
Die Wirkungen der aktiven Arbeitsmarktpolitik in Österreich	2005-2007	Bundesministerium für Wirtschaft und Arbeit, Wien, AU
Statistisch assistierte Programmselektion - eine experimentelle Studie	2004-2007	Staatssekretariat für Wirtschaft (seco), CH
Der Einfluss betrieblicher Prozesse auf die Effektivität arbeitsmarktlicher Massnahmen	2004-2007	Staatssekretariat für Wirtschaft (seco), CH
Evaluation der Hartz IV Gesetze: Effektivität der Programme	2007-2008	Bundesministerium für Arbeit und Soziales, Berlin, D; Auftrag des ZEW, Mannheim, D.
Der Wert betrieblicher Information für die Evaluation der aktiven Arbeitsmarktpolitik	2007-2011	Bundesagentur für Arbeit (IAB), D
Design study for an experimental evaluation of financial incentives to foster reintegration of disabled	2009	Bundesamt für Sozialversicherung (BSV), CH
Experimental evaluation of financial incentives to foster reintegration of disabled	2009-2012	Bundesamt für Sozialversicherung (BSV), CH
Machine Learning and the evaluation of active labour market programmes	2018 - 2020	Institut für Arbeitsmarkt- und Berufsforschung, Nürnberg (D)
Labour market evaluation with machine learning: Providing an R-package of the Modified Causal Forest	2019-2020	Government of Canada, Employment and Social Development
Support of active labour market evaluations	2019 - 2025	Government of Canada, Employment and Social Development

National government agencies (project participation)

<i>Topic</i>	<i>Years</i>	<i>Funding agency</i>
Evaluation gemeinnützer Arbeitsvermittlung in Rheinland-Pfalz	1998	Bundesanstalt für Arbeit
Die Effektivität der aktiven arbeitsmarktlichen Massnahmen im Kanton Basel	2000	Kantonales Arbeitsamt Basel
Evaluating the New Deal for Young People (NDYP) in Britain	2000 - 2001	Public Policy Institute, London
Feasibility study for the Evaluating of Modern Apprenticeships in Britain	2001	Public Policy Institute, Department for Education and Employment (UK)
Work-based learning for adults (WBLA)	2002-2003	Public Policy Institute, Department for Education and Employment (UK)
New Deal for Partners of Unemployed Workers (NDP, WFIP)	2004-2005	Public Policy Institute, Department for Education and Employment (UK)

Smaller projects for national governments

Review of the methodology used to evaluate the Canadian active labour market policies, 2011, 2020, 2022, 2024 (Minister of Human Resources and Skills Development, Canada).

Review of proposal to evaluate active labour market policies (2012, World Bank).

Review of proposal to evaluate the Norwegian regional aid policy (2015).

Assistance & support in the implementation of causal machine learning estimators to evaluate Canada's active labour market policies, 2020-2024 (Ministry of Human Resources and Skills Development, Canada).

Training and consulting for the evaluation of Unicef programmes with causal machine learning in Kazakhstan, 2024-2025 (Unicef, Geneva office).

European Union

<i>Topic</i>	<i>Years</i>	<i>Funding agency</i>
Labour Force Participation of Single Parents	1992 - 1993	European Union (SPES)
Microeconomics of Public Policy Issues	1993 - 1995	European Union (HCM)
Tax Policy During Economic Transition	1994 - 1995	European Union (ACE)
Savings and Pensions	1996 - 1998	European Union (TMR)
Innovation und Productivity	1996 - 1998	European Union (TSER)
Evaluation of labour market policies	2005 - 2008	European Union (Cost A23)
Microeconometrics	2005 - 2008	European Union (TMR)

Membership in policy and scientific advisory boards

Member of the International Advisory Board of *iva/za* (Institut Català d'Avaluació de Politiques Publiques) for the Evaluation of the Catalan Active Labour Market Policy (2009-2010).

Member of the Scientific Advisory Board of the Rheinisch-Westfälische Economic Research Institute (RWI, 2003-2011).

Member of the Advisory Board of the German Department of Work and Social Security (BMAS) for the evaluation of the work related programmes for disabled people (2010-2020).

Member of the Scientific Advisory Board of the Erasmus Centre for Applied Sports Economics (ECASE, Rotterdam, 2018-2027).

Teaching in St. Gallen

Econometrics in the Master and PhD programmes.

1st supervisor of the following PhD students who successfully completed their programme in St. Gallen:

Markus Frölich, Ruth Miquel, Blaise Melly, Heidi Steiger, Dragana Djurdjevic, Conny Wunsch, Stephan Wiehler, Stephanie Behncke, Martin Huber, Benjamin Schünemann, Darjusch Tafreshi, Andreas Steinmayr, Petra Thiemann, Hugo Bodory, Hans Fricke, Anthony Strittmatter, Michael Knaus, Carina Steckenleiter, Daniel Goller, Michael Zimmert, Gabriel Okasa, Sandro Heiniger, Nora Bearth.

Teaching at other universities

PhD courses

Causal analysis in microeconometrics (University of Linz, 2012; Central German Doctoral Programme, Halle, 2013; Post-Doc Workshop, Center for Interdisciplinary Educational Research, Mannheim, 2014, CINCH Summer School, Essen, 2014, Geneva summer school, 2016).

Econometric Evaluation of Labour Market Programmes (IFAU, Uppsala, August 2001, Konstanz, January 2003, IAB, Nuremberg, August, 2003, ZA, Köln, September 2003, Copenhagen, December 2006, Barcelona, June 2008, IAB, Nuremberg, May, 2010, jointly with Jeffrey Smith, Maryland).

Advanced Microeconometrics (Bar-Illan University, Tel-Aviv, June, 2009)

Empirical Application of Matching Methods (Berlin, November, 2007, Network of Berlin Graduate Students; University of Freiburg, Januar, 2008).

Topics of Nonlinear Panel Data Models (CIDE Inter University Centre for Econometrics, Bertinoro, June, 2003).

Master class of the European Sports Economics Association, 2014, Antwerp (lecture).

Sportwissenschaftliche Akademie of the Studienstiftung des deutschen Volkes (2017).

Causal Machine Learning (ZEW and University of Mannheim, 2019, 2020, 2021, 2022, 2023, 2024).

Master Class (for PhD students) on Causal Machine Learning, Berlin (2020).

Summer School on Causal Machine Learning at the University of Genoa (2021).

Summer Course on Causal Machine Learning at the University of Copenhagen (2021).

RWI mini lectures on Causal Machine Learning, Essen (2021).

Lectures on New Developments in Causal Machine Learning, Fondo per la Repubblica Digitale, Torino (2024).

Member of PhD committees of other universities

Goteborg University (S), Department of Economics (Black, 1998).

Tilburg University (NL), Department of Econometrics (Vasquez-Alvarez, 2001)-

Uppsala University, Department of Economics (Larsson, 2001).

University of Oslo (N), Department of Economics (Hardoy, 2002).

University of Aarhus (DK), Department of Economics (Skipper, 2004).

University of Melbourne (A), Department of Economics (Lee, 2007).

University of Rome (I), Tor Vergata, Department of Economics (Mellace, 2011, De Federico, 2024).

University of Geneva (CH), Department of Economics (Cantu-Bazaldua, 2012).

University of Milano (I), Department of Economics (Albanese, 2015).

University of Capetown (SA), Department of Economics (Oyenubi, 2016).

University of Aarhus (DK), Department of Economics (Søndergaard Mühlbach, 2020).

Uppsala University (S), Department of Economics (Yakymovych, 2022).

University of Aarhus (DK), Department of Economics (Kjærsgaard, 2022).

University of Southern Denmark (DK), Department of Economics (van 't Hoff, 2024).

University of Strasbourg (F), Department of Economics (Burlat, 2025).

Academic associations and awards

Honary fellowships

Member of the *German Academy of Science Leopoldina* (since 2007).

Research Fellow of the *Institut Zukunft der Arbeit* (IZA, Bonn, Germany, since 1999), Research Fellow of the *Center for Economic Policy Research (CEPR; labour*, London, UK, since 2001), Visiting Research Fellow of the *Policy Studies Institute* (PSI, London, since 2001), Research Professor of the *ZEW*, Mannheim, Germany (1998-2010), Research Associate of the *ZEW* (Mannheim, Germany, 2005-2010), Research Fellow of the *Institut für Arbeitsmarkt- Berufsforschung* (IAB, Nürnberg, since 2005),

Fellow of the *CESifo* Networks (München, since 2010), Fellow of the Center of Evaluation and Development (University of Mannheim, since 2015), Founding Member of the RWI Research Network (since 2016), Editorial Fellow of *Econometric Reviews* (since 2014), Research Fellow des RF Berlin (Rockwool Foundation Berlin – Institute for the Economy and the Future of Work; since 2025).

Member of academic associations

American Economic Association (since 1996), American Statistical Association (since 1996), Arbeitskreis Sportökonomie (since 2012), Deutsche Statistische Gesellschaft (since 1994), Deutsche Gesellschaft für Bevölkerungswissenschaft (since 1997), Econometric Society (since 1991), Schweizerische Gesellschaft für Statistik und Volkswirtschaft (since 1999), Society of Labor Economics (since 1995), Verein für Socialpolitik (since 1991).

Membership in sections of the German Economic Association

Population Economics (since 1998; Chairmen 2009-2013), *Econometrics* (since 2000), *Economics of Education* (since 2007).

Elected member of boards of scientific associations and research institutes

Member of the Board of the Swiss Economic Association (1999-2005).

Elected Member of the Board of the German Economic Association (2006-2009).

Chairmen of the section Population Economics of the German Economic Association (2009-2013).

Member of the *Kommission des Vereins für Socialpolitik betreffend den Rat für Sozial- und Wirtschaftsdaten* (2002-2004).

Member of the Scientific Advisory Board of the *Rhine-Westphalia Institute for Economic Research* (RWI Essen, Germany, 2002-2010).

Member of the *Senatsausschuss Wettbewerb der Leibnitz Gemeinschaft* (2020-2023).

Prizes and stipends

John-F.-Kennedy-Memorial Fellowship (Harvard University, Cambridge, 1994 / 1995), Best Publication based on data of the German Socioeconomic Panel (2000).

Research Award of the Economics Department of the University of St. Gallen (2010, 2011, 2012, 2013).

Highly Cited Research Award of the Journal of Econometrics, 2017.

Extended academic visits

University College London and Institute for Fiscal Studies (London, Nov. 1990); Deutsches Institut für Wirtschaftsforschung (DIW, Berlin, Jan. 1991, Jan. 1992); Center for Economic Research of the University of Tilburg (April 1994); Center for European Studies, Harvard University, Cambridge Aug. (1994 – July

1995); SFB 373 of the Humboldt-Universität zu Berlin (April 1996); Tinbergen Institut of the Universities of Amsterdam (April 1997); Stockholm School of Economics (Aug. 1999); University of Chicago (March 2000); Institute for Labour Market Evaluations (University of Uppsala, May 2000); Department of Economics of the University of Michigan at Ann Arbor (Oct. 2005, April–July 2006); Bar-Illan University, Tel-Aviv (June 2009); CESifo Munich (January 2010); EIEF, Roma (April 2011, Jan. 2013); Loughborough University, UK (April, May, 2012); University of Saskatchewan, Saskatoon (June 2012), EIEF, Roma, (January 2013), University of Ghent, Department of Economics (January, 2019).