

# Rainer Winkelmann

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## Employment

Professor of Economics, University of Zurich, since 2001.

Visiting Professor, Harvard University, Fall 2012.

Visiting Professor, Universität Luzern, 2011-2013.

Visiting Professor, University of California, Los Angeles, Winter 2007.

Visiting Professor, Syracuse University, Maxwell School, Fall 2006.

Senior Research Associate and Program Director, IZA (Institute for the Study of Labor), Bonn, 1999-2001.

Senior Lecturer, University of Canterbury, Christchurch, New Zealand, 1995-1999.

Visiting Assistant Professor, Dartmouth College, Hanover, New Hampshire, U.S.A., 1993-1995.

Lecturer, University of Munich, Seminar for Labor and Population Economics, 1990-1993.

## Education

University of Munich, Dr. oec. publ., 1993.

Washington University in St. Louis, M.A. in Economics, 1990.

Universität Konstanz, Diplom-Volkswirt, 1989.

Université de Paris-Dauphine and ENSAE, 1988-1989.

## Research Interests

Econometrics, in particular models for discrete- and panel data; work, family and well-being; applied social policy analysis.

## **Professional activities**

Chairman of the Department of Economics, University of Zurich, 2015 – 2019.

Deputy Dean, Faculty of Business, Economics, and Informatics, University of Zurich, 2012 – 2014.

Board of Trustees, Richard Büchner Foundation, 2013 – 2019.

GLO (Global Labor Organization) Country Lead Schweiz, since 2019.

Steering Committee, UZH Center for Reproducible Science, since 2018.

Member, World Wellbeing Panel, since 2020.

Executive Committee of the Swiss Society for Economics and Statistics, 2014 – 2020.

Scientific Advisory Board of DIW Berlin, since 2011.

Member and Chair, KOF Advisory Board, 2008 - 2017.

Chair, Survey Committee of DIW Berlin, 2009 – 2016

Chair of Advisory Board of International Data Services Center at IZA, 2009 – 2013.

Associate Editor, *Journal of Population Economics*, since 2019.

Editor, *Applied Economics Quarterly (Konjunkturpolitik)*, 2003 – 2007.

Editor, *Applied Stochastic Models in Business and Industry*, (Wiley), 1999 – 2002.

Refereeing for *American Economic Journal*, *American Economic Review*, *Econometrics Journal*, *Econometric Reviews*, *Economica*, *Economic Journal*, *European Economic Review*, *Industrial & Labor Relations Review*, *Journal of the American Statistical Association*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometrics*, *Journal of Health Economics*, *Journal of Population Economics*, *Journal of Public Economics*, *Review of Economics and Statistics*, and many other journals, book projects, collected articles volumes and research proposals. Wikipedia expert.

## **Other Affiliations, Scholarships & Awards**

Eminent Research Scholar, University of Melbourne, Aug./Sept. 2019.

Felix Büchel Award 2016 (DIW Berlin)

Member, Academia Europaea (since 2016)

SOEP Best Paper Award (2000, Second Prize, joint with L. Winkelmann)

Member, Chapters on Population Economics and Education Economics of the German Economic Association

Research Fellow: IZA (since 2001), CESifo (since 2007), CEPR (1994-2002)

The German Marshall Fund of the United States (1994-1995).

University Fellowship, Washington University in St. Louis (1989-1990).

German Academic Exchange Service (DAAD) (1989).

German National Scholarship Foundation (1987-1989).

## PUBLICATIONS

### Books

*Econometric Analysis of Count Data*, fifth edition, 2008, Heidelberg, New York: Springer.

*Analysis of Microdata* (with S. Boes), second edition, 2009, Heidelberg, New York: Springer.

### Journal Articles

Predicting individual effects in fixed effects panel probit models (with J. Kunz and K. Staub), *Journal of the Royal Statistical Society A*. <https://doi.org/10.1111/rssa.12722>, 2021.

Testing the fixed effects binomial logit model: with an application to female labor supply (with L. Xu), *Empirical Economics*. <https://doi.org/10.1007/s00181-021-02034-2>, 2021.

FEOLOGIT: A new command for estimating fixed effects ordered logit models, (with G. Baetschmann, A. Ballantyne and K.E. Staub). *The Stata Journal* 20 (2), 253–275, 2020.

Predicting early career productivity of PhD economists: does advisor-match matter? (with A. Garcia and J. Otero), *Scientometrics*, 122(1), 429-449, 2020.

An econometric model of health care demand with non-linear pricing (with J. Kunz), *Health Economics*, 26, 691-702, 2017.

A dynamic hurdle model for zero-inflated count data (with G. Baetschmann), *Communications in Statistics – Theory and Methods*, 46 7174-7187, 2017.

Econometric analysis of ratings – with an application to health and wellbeing (with R. Studer), *Swiss Journal of Economics and Statistics*, 153, 1-13, 2017.

Consistent estimation of the fixed effects ordered logit model (with G. Baetschmann and K. Staub), *Journal of the Royal Statistical Society A*, 178, 685–703, 2015.

Counting on count data models, *IZA World of Labor*, 2015: 148.

Reported happiness, fast and slow (with R. Studer), *Social Indicators Research*, 117, 1055-1067, 2014.

Unemployment and happiness, *IZA World of Labor*, 2014, 94.

Modeling zero-inflated count data when exposure varies: with an application to tumor counts (with G. Baetschmann), *Biometrical Journal*, 55, 679–686, 2013.

Consistent estimation of zero inflated count data models (with K. Staub), *Health Economics*, 22, 673-686, 2013.

Copula bivariate probit models: with an application to medical expenditures, *Health Economics*, 21, 1444–1455, 2012.

Conspicuous consumption and satisfaction, *Journal of Economic Psychology*, 33, 183–191, 2012.

The trade effects of endogenous preferential trade agreements (with P. Egger, M. Larch and K. Staub), *American Economic Journal: Economic Policy*, 3(3), 113-143, 2011.

Happiness and altruism within the extended family (with J. Schwarze), *Journal of Population Economics*, 24(3), 1033 – 1051, 2011.

Relative status and satisfaction (with S. Boes and K. Staub), *Economics Letters* 109, 168-170, 2010.

Self-selection models for public and private sector job satisfaction (with S. Luechinger and A. Stutzer), *Research in Labor Economics* 30, 233–251, 2010.

Does inequality harm the middle class? (with L. Winkelmann), *Kyklos* 63, 301-316, 2010.

The effect of income on general life satisfaction and dissatisfaction (with S. Boes), *Social Indicators Research* 95, 111–128, 2010.

Happiness functions with preference interdependence and heterogeneity (with A. Bruhin), *Journal of Population Economics* 22, 1063-1080, 2009.

Unemployment, social capital, and subjective well-being, *Journal of Happiness Studies* 10, 421-430, 2009.

Personality, work and satisfaction: evidence from the German Socio-Economic Panel (with L. Winkelmann), *Journal of Positive Psychology* 3, 266-275, 2008.

An empirical analysis of the decision to train apprentices (with S. Mühlemann, J. Schweri and S. C. Wolter) *Labour* 21 (3), 419-441, 2007.

The Apple Falls Increasingly Far: Parent-Child Correlation in Schooling and the Growth of Post-Secondary Education in Switzerland (with A. Cattaneo and S. Hanslin), *Swiss Journal of Economics and Statistics*, 143, 133-152, 2007.

Money Illusion Under Test (with S.Boes and M. Lipp), *Economics Letters*, 94, 332–337, 2007.

Parental Separation and Well-Being of Youth, *Journal of Socioeconomics*, 35 (2), 197-208, 2006.

Ordered Response Models (with S. Boes), *Advances in Statistical Analysis*, 90, 165-179, 2006, reprinted in: Hübler, O. and J. Frohn (2006) *Modern Econometric Analysis*, Springer.

Reforming Health Care: Evidence from Quantile Regressions for Counts, *Journal of Health Economics*, 25, 131-145, 2006.

Subjective Well-Being and the Family: Results from an Ordered Probit Model with Multiple Random Effects, *Empirical Economics*, 30, 749-761, 2005.

Earnings Differentials between German and French speakers in Switzerland (with A. Cattaneo), *Swiss Journal of Economics and Statistics* 141, 191-212, 2005.

Co-payments for Prescription Drugs and the Demand for Doctor Visits – Evidence from a Natural Experiment, *Health Economics* 13, 1081-1089, 2004.

Health Care Reform and the Number of Doctor Visits – An Econometric Analysis, *Journal of Applied Econometrics* 19, 455-472 , 2004.

Training Intensity and First Labor Market Outcomes of Apprenticeship Graduates (with R. Euwals), *International Journal of Manpower* 25, 447-462, 2004.

Comparing Migrants to Non-Migrants: The case of Dutch migration to New Zealand (with J. Hartog), *Journal of Population Economics* 16, 683-705, 2003. Reprinted in: K.F. Zimmermann and A. Constant, *How Labor Migrants Fare*, Springer: Berlin, 97-119, 2004.

Mobility after apprenticeship – Evidence from register data (with R. Euwals), *Applied Economics Quarterly (Konjunkturpolitik)* 48, 256-278, 2002.

Why do firms recruit internationally? Results from the IZA International Employer Survey 2000, *Schmollers*

*Jahrbuch (Journal of Applied Social Science Studies)*, 122, 155-178, 2002.

Markov Chain Monte Carlo Analysis of Correlated Count Data (with S. Chib), *Journal of Business and Economic Statistics*, 19, 428-435, 2001.

Correctly Interpreting the Results from a Log-Linear Regression under Heteroskedasticity – Methods and an Application to the Relative Wages of Immigrants, *Jahrbücher für Nationalökonomie und Statistik*, 221, 418-431, 2001.

Contracted Workdays and Absence (with T. Barmby and M. Nolan), *Manchester School*, 69(3), 269-275, 2001.

Seemingly Unrelated Negative Binomial Regression, *Oxford Bulletin of Economics and Statistics*, 62(4), 553-560, 2000.

Unemployment and Crime: New Evidence for an Old Question (with K. Papps), *New Zealand Economic Papers*, 34(1), 53-72, 2000.

The Labor Market Performance of European Immigrants in New Zealand in the 1980s and 1990s, *International Migration Review*, Vol.34 (1), 33-58, 2000.

Survey Expectations of Monetary Conditions in New Zealand: Determinants and Implications for the Transmission of Policy (with L. Bonato and R. St.Clair), *Ifo-Studien*, 45(3), 411-434, 1999.

Wages, Firm Size, and Absenteeism, *Applied Economics Letters*, 6, 337-341, 1999.

Tariff, Quotas and Terms of Trade – The Case of New Zealand (with L. Winkelmann), *Journal of International Economics*, 46, 313-332, 1998.

Posterior Simulation and Bayes Factors in Panel Count Data Models (with S. Chib and E. Greenberg), *Journal of Econometrics*, 86, 33-54, 1998.

Why are the unemployed so unhappy? Evidence from panel data (with L. Winkelmann), *Economica*, 65, 1-16, 1998.

Count Data Models with Selectivity, *Econometric Reviews*, 17, 339-359, 1998.

Is Job Stability Declining in Germany? Evidence From Count Data Models (with K.F. Zimmermann), *Applied Economics*, 30, 1413-1420, 1998.

Immigrants in the New Zealand Labour Market: a Cohort Analysis using 1981, 1986 and 1996 Census Data (with L. Winkelmann), *Labour Market Bulletin*, 1998:1&2, 34-70. Reprinted in: K.F. Zimmermann and T. Bauer (eds.) *The Economics of Migration*, Volume II, Chapter 12, Edward Elgar Publishing.

The Economic Benefits of Schooling in New Zealand: Comment and Update, *New Zealand Economic Papers*, 32, 187-195, 1998.

The Costs of Non-Tariff Barriers to Trade: Evidence from New Zealand (with L. Winkelmann), *Weltwirtschaftliches Archiv*, 133(2), 270-281, 1997.

How Young Workers Get Their Training: A Survey of Germany Versus the US, *Journal of Population Economics*, 10(2), 159-170, 1997.

Determining the relative labour force status of Maori and non-Maori using a multinomial logit model (with L. Winkelmann), *Labour Market Bulletin* 1997 (1), 24-62.

Markov chain Monte Carlo analysis of underreported count data with an application to worker absenteeism, *Empirical Economics*, 21, 575-587, 1996.

- Training, Earnings, and Mobility in Germany, *Konjunkturpolitik*, 42, 275-298, 1996.
- A Count Data Model for Gamma Waiting Times, *Statistical Papers*, 37, 177-187, 1996.
- Employment Prospects and Skill Acquisition of Apprenticeship-Trained Workers in Germany, *Industrial and Labor Relations Review*, 49(4), 658-672, 1996.
- Unskilled Labor and Wage Determination: an Empirical Investigation for Germany, *Journal of Population Economics*, 9(2), 159-171, 1996.
- A Correction for an Underdispersed Event Count Probability Distribution (with C. Signorino and G. King), *Political Analysis*, 5, 215-228, 1995.
- Happiness and Unemployment: a Panel Data Analysis for Germany (with L. Winkelmann), *Konjunkturpolitik*, 41(4), 293-307, 1995.
- Duration Dependence and Dispersion in Count Data Models, *Journal of Business and Economic Statistics*, 13, 467-474, 1995.
- Recent Developments in Count Data Modeling: Theory and Applications (with K.F. Zimmermann), *Journal of Economic Surveys*, 9, 1-24, 1995.
- Count Data Models for Demographic Data (with K.F. Zimmermann), *Mathematical Population Studies*, 4, 205-221, 1994.
- Two Aspects of Labor Mobility: A Bivariate Poisson Regression Approach (with R.C. Jung), *Empirical Economics*, 18, 543-556, 1993.
- A New Approach for Modeling Economic Count Data (with K.F. Zimmermann), *Economics Letters*, 37(2), 139-143, 1991.

### **Book Contributions**

- Lottery Wins and Satisfaction: Overturning Brickman in Modern Longitudinal Data on Germany (with A. Oswald), in: *The Economics of Happiness: How the Easterlin Paradox Transformed Our Understanding of Well-Being and Progress*, Mariano Rojas (ed.), Springer. 2019.
- What's more important for life satisfaction: Market goods or social goods? (with Kuhn, U., R. Lalive, O. Lipps), in: FORS, *Social report 2016*.
- Unemployment. In: Michalos, A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Springer, Dordrecht, Netherlands: Springer, 2014, 6766-6767.
- Secondary School Track Selection of Single-Parent Children – Evidence from the German Socio-Economic Panel (with P. Mahler), *Schriften des Vereins für Socialpolitik*, 2006, 313, 39-54.
- Qualifikationsspezifische Beschäftigungsperspektiven und berufliche Flexibilität, Chapter 3 in Andres Frick and Aniel Wirz (eds.) *Berufsbildungsökonomie: Stand und offene Fragen*. H.e.p. Verlag, Bern, 2006, 75-106.
- Europeans in the Antipodes: New Zealand's mixed migration experience, Chapter 16 in: K.F. Zimmermann (ed.) *European Migration – What Do We Know?* Oxford University Press, 2005, 601-631.
- Bayesian Analysis of Econometric Models for Count Data: A Survey, in: Schwaiger, M. and O. Opitz (eds.) *Exploratory Data Analysis in Empirical Research*. Springer: Heidelberg, 204-215, 2003.
- Die Nachfrage nach internationalen hoch qualifizierten Beschäftigten – Ergebnisse des IZA International

Employer Surveys 2000, *Beiträge zur Arbeitsmarkt und Berufsforschung* 256, 283-310, 2002.

Why do firms recruit internationally? Results from the IZA International Employer Survey 2000. Chapter 7 in: OECD, *International Mobility of the Highly Skilled*, 133-150, 2002.

Migration Policy and Socio-Economic Outcomes: New Zealand's Experience with the Point System, in: R. Rotte and P. Stein (ed.) *Migration Policy and the Economy: International Experiences*, Politische Ökonomie und Internationale Beziehungen, Band 2, Ars et Unitas: Neuried, 69-86, 2002.

Immigration Policies and their Impact: The case of New Zealand and Australia, in: Djajic, S. (ed.) *International Migration: Trends, Policy, and Economic Impact*, Routledge, 1-20, 2001.

The Economic Progress of Maori Men 1986-1996. In: P.S. Morrison (ed.) Proceedings of the Eighth Conference on *Labour Employment and Work in New Zealand*. Victoria University Wellington, 30-37, 1999.

Poisson Regression with Endogenous Reporting, in: P. Bardsley and V.L. Martin (eds.), *Proceedings of the Econometric Society Australasian Meeting 2<sup>nd</sup>-4<sup>th</sup> July 1997* volume 4: Microeconometrics, 385-398, 1997.

The Non-Equivalence of Tariffs and Quotas: Evidence from Export Prices (with L. Winkelmann), in: P. Bardsley and V.L. Martin (eds.), *Proceedings of the Econometric Society Australasian Meeting 2<sup>nd</sup>-4<sup>th</sup> July 1997* Volume 4: Microeconometrics, 399-414, 1997.

Ageing, Migration and Labour Mobility (with K.F. Zimmermann), in: Johnson, P. and K.F. Zimmermann (eds.) *Labour Markets in an Ageing Europe*, Cambridge University Press: Cambridge, 255-283, 1993.

Job Separations in an Efficient Turnover Model (with K.F. Zimmermann), in: Bunzel, H., P. Jensen and N. Westergaard-Nielsen (eds.), *Panel Data and Labour Market Dynamics*, North-Holland: Amsterdam, 107-122, 1993.

Reservation Wages, Wage Offers, and Accepted Wages (with C.M. Schmidt), in: Bunzel, H., P. Jensen and N. Westergaard-Nielsen (eds.), *Panel Data and Labour Market Dynamics*, North-Holland: Amsterdam, 149-168, 1993.

Robust Poisson Regression (with K.F. Zimmermann), in: L. Fahrmeir et al. (eds.) *Advances in GLIM and statistical methods: proceedings of the GLIM92 and the 7<sup>th</sup> international workshop on statistical methods. Munich, 13-17 June 1992*. Springer: New York, 201-206, 1992.

Recursive Probability Estimators for Count Data (with K.F. Zimmermann), in: Haag, G., U. Mueller and K.G. Troitzsch (eds.) *Economic Evolution and Demographic Change*, Springer: New York, 321-329, 1992.

## **Policy Reports**

Zeit und Geld – Wie beeinflussen Zeit und Kosten die Verkehrsmittelwahl der Zupendelnden in die Stadt Zürich (with O. Bachmann), Sonderpublikation von Statistik Stadt Zürich, 2004.

The Demand for International Mobile Highly Qualified Employees (with A. Kunze, L. Locher and M. Ward), Report for the German Bundesministerium für Bildung und Forschung (BMBF), May 2001.

*Canterbury Labour Market Report*, commissioned by the Local Employment Coordination Group, Mai 1999.

*Immigrants in the New Zealand labour market: A study of their labour market outcomes* (with L. Winkelmann), Report for the New Zealand Department of Labour, Juni 1998.

*The Forces Shaping the Future Income Distribution in New Zealand: International Trade. A Survey of the Literature* (with L. Winkelmann), Report for the New Zealand Treasury, November 1996.

*Determining the relative labour force status of Maori and non-Maori using a multinomial logit model* (with

L. Winkelmann), Report for the New Zealand Department of Maori Development, November 1996.

### **Miscellaneous**

Sind Workaholics unzufriedener? (mit U. Kuhn, O. Lipps und R. Lalive) *Die Volkswirtschaft* 4 / 2017, 43-45.

Review of: *Happiness & Economics: Framing the Analysis*. By Luigini Bruni and Pier Luigi Porta, Oxford University Press, for: *International Journal of Social Studies*, 34(8), 566, 2007.

Discussion of S. Mühlemann, J. Schweri and S. Wolter „Warum einige Firmen ausbilden, viele aber nicht“, in: *Bildung und Beschäftigung in der Diskussion, Band 2*, M. Chaponnière et al (eds.) Rüegger Verlag, 2007.

Review of: *The Economics of the Apprenticeship System*. By Wendy Smits and Thorsten Stromback. Cheltenham: Edward Elgar, 2001, in: *Industrial and Labor Relations Review* 55(4), 750-752, 2002.

Discussion of Thorsten Schank, „Auswirkungen von Normalarbeitszeitverkürzungen auf die Löhne: Ergebnisse vom IAB-Betriebspanel“, in: *Beiträge zur Arbeitsmarkt- und Berufsforschung* No. 251, 67-71, 2001.

Under-reporting of purchases of port wine: a correction, *Journal of Applied Statistics*, 28, 637, 2001.

Editorial: Symposium on fertility studies using count data models (with K.F. Zimmermann), *Journal of Population Economics*, 13, 171-172, 2000.

Gedanken zur Zukunft der Arbeit – Qualifikation ist alles, *Das Parlament*, 50 (33-34), 2, 2000.

Measuring the Cost of Unemployment, *IZA Compact* September 2000. 7-9, 2000.

### **Working Papers**

A Flexible Copula Regression Model with Bernoulli and Tweedie Margins for Estimating the Effect of Spending on Mental Health (joint with G. Marra, M. Fasiolo, and R. Radice)

The effect of retirement on subjective health: a comparison of different panel data estimators.