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# Stefan Hoderlein

Nationality: German

Sex: Male

Family Status: Married, two Children

July 2014

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## ***OFFICE ADDRESS***

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Boston College  
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Chestnut Hill, MA 02467  
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## ***PROFESSIONAL EXPERIENCE (ACADEMIC)***

July 2014 -- Dec. 2014	UCL and IFS, Visiting Researcher
Jan 2014 – June 2014	Harvard University, Visiting Professor
Jan 2013 – June 2013	Harvard University, Visiting Professor
July 2010 -- Dec. 2013	Boston College, Associate Professor
Sept. 2008 – June 2010	Brown University, Associate Professor
May 2008	Toulouse U, Professeur Etranger.
Jan. 2008 – Apr. 2008	California Institute of Techn., Visting Assistant Professor.
Oct. 2007 – Nov. 2007	Brown University, Visting Assistant Professor.
Apr. 2004 – Sep. 2007	Mannheim University, Assistant Professor.
Oct. 2002 – March 2004	MEA, Economic Policy Research Institute

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## ***HIGHER EDUCATION***

Oct. 1997 – Sep. 2002	Bonn University and LSE. Final degree: PhD
Oct. 1993 – Sep. 1997	Bonn University, Final degree: Diplom Volkswirt

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## ***TEACHING EXPERIENCE***

Lectures:	
Spring 2014	Advanced Econometrics, Program Evaluation (Harvard Kennedy School, Graduate, G)
Spring 2013	Introduction to Econometrics (Harvard Econ, Graduate, G)
Winters 2010/11/12/13	Introduction to Econometrics (BC, Undergraduate, UG), Econometrics of Cross Section/Panel Data (BC, G)
Spring 2010	Basic Statistics (UG), Topics in Econometrics (Brown, G).
Winter 2009	Microeconometrics (Brown, G)
Spring 2009	Basic Statistics (Brown, UG), Topics in Econometrics (Brown, G)

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***TEACHING EXPERIENCE***

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Winter 2008	Microeconometrics (Brown, G)
Summer 2008	Econometrics of Empirical IO (G)
Spring 2008	Econometrics of the Linear Model (Caltech, G)
Fall 2007	Microeconometrics/Nonparametrics (Brown, UG)\
Prior to Sept. 2007	Econometrics of Demand/Consumption and Savings (G), Econometrics PhD seminar, Time Series (G) Semi- and Nonparametric Econometrics (G).

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***REFEREE***

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American Economic Review, Annals of Statistics, BA Electronic Journal, Econometrica, Econometrics Journal, Econometrics Review, Economic Theory, Econometric Theory, Empirical Economics, Economic Inquiry, Economic Journal, Economic Science and Research Council, International Economics and Economic Policy, International Economic Review, Journal of Applied Economics, Journal of Applied Econometrics, Journal of Agricultural Economics, Journal of Business Economics and Statistics, Journal of Econometrics, Studies in Nonlinear Dynamics and Econometrics, Journal of Political Economy, Journal of the Royal Statistical Society Series B, Journal of Statistical Planning and Inference, National Science Foundation, Proceedings of the National Academy of Science, Quantitative Economics, QJE, Review of Economics and Statistics, Review of Economic Studies.

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***EDITORIAL SERVICE***

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2012 - Econometric Theory; Associate Editor  
2012 - Econometrics Journal; Associate Editor

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***INVITED SEMINARS AT UNIVERSITIES***

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≤ 2006/2007: U of California at Berkeley, Barcelona (UPF), Bergen U, Brown U, Bonn U, Boston College, Frankfurt U, Kopenhagen U, London School of Economics, Madrid (U Carlos III), Mannheim U, Northwestern U, Oxford U, Paris, Stockholm U, UCL, UC Louvain-la-Neuve, Stanford U, Toulouse U, Vancouver (SFU), Verona U, Yale U, Zürich U.

2007/2008: Berlin (Humboldt U), Brown U, Bonn U, California Institute of Technology, Cambridge U, Cornell U, EUI Florence, Harvard/MIT, U of Iowa, IFS, Johns Hopkins U, Lausanne (HEC), U of California at Los Angeles, New York University (NYU), Penn State U, Princeton U, U of Rochester, U of California San Diego, Tilburg U, Toulouse U, Yale U.

2008/2009: Amsterdam U, U of Arizona, Boston College, Brown U, California Institute of Technology, Chicago GSB, Georgetown U, U of Maryland, U of Michigan at Ann Arbor, U of Minnesota, NYU, U of Pennsylvania, Princeton U, Rutgers U, RAND, Stanford U, SFU, St.Gallen U, Tübingen U.

2009/2010: Boston University, Boston College, U of Chicago, Dortmund U, Hohenheim U, London School of Economics, Madrid (CEMFI), Massachusetts Institute of Technology (MIT), Paris (Malinvaud), U of California at San Diego, UCL/IFS, U of Texas at Austin, Vienna U (WU), U of Wisconsin at Madison, Yale U.

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***INVITED SEMINARS/CLASSES AT UNIVERSITIES***

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2010/2011: U of California at Berkeley, Boston College, Duke University, Hohenheim U, Johns Hopkins U, Mannheim U, Montreal U, New York University (NYU), U of North Carolina at Chapel Hill, North Carolina State University, Ohio State U, Penn State U, Rochester U, Stanford U, Syracuse University, University of Southern California, Tilburg U.

2011/2012: University of Connecticut, University of Michigan, Michigan State University, Princeton University, Simon Fraser University, University of British Columbia, Toronto University, University of California at Los Angeles.

2012/2013: Eidgenoessische Technische Hochschule (Zurich), Harvard-MIT Econometrics Workshop, Harvard Econometrics Seminar, Harvard IO Seminar, Johns Hopkins University, University College London, Oxford University, Vanderbilt University, University of Western Ontario.

2013/14: Cornell University, Harvard University Applied Statistics, Harvard University Kennedy School, University of Indiana at Bloomington, University of Pennsylvania, Leuven University, Toulouse School of Economics, University of Verona, University of Milwaukee.

2014/15 (scheduled): University College London (UCL), London School of Economics (LSE), Cambridge U, Oxford U, Manchester U, Tilburg U, Rice U, DIW (Berlin), Penn State U, CREST (Paris), Rostock U, Mannheim U, Munich U (LMU), Institute f. Advanced Studies (IHS, Vienna), Zurich U, U of Surrey.

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***INVITATIONS TO CONFERENCES***

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≤ 2009: ESEM Wien, Bocconi, Budapest, Stockholm, ES World Congress London, Cowles Conference, UCL/IFS (Conference on Nonparametric Methods in Econometrics), Mannheim (Conference on Nonparametrics and Demand), Brown (Conference on Econometrics of Demand), Greater NY Area Conference in Princeton, Oberwolfach meeting, AES Summer Meetings, Caltech (Conference on Matching), EC<sup>2</sup> UCL, HU Berlin (Conference on Nonparametrics in Econometrics).

2009/2010: Cowles Conference on Nonseparable Models, CEAR Atlanta, Greater NY Area Conference, ES World Congress Shanghai, UCL/Cowles, German Scientist Abroad.

2010/2011: Montreal (Conference on Revealed Preferences and Partial Identification), Greater NY Area, Northwestern University (Conference on Nonparametrics), CEAR Denver, MIT/NBER (Conference on Econometrics of Demand), ASSA NA Winter Meetings.

2011/12: ESEM Oslo, NBER Workshop on Aggregate Implications of Micro-economic Consumer Behavior, Conference on Bounded Rationality (UCL), Conference on Welfare Measurement (McFadden/UCL), Conference in Honor of Halbert White, 7th Conference on Labor Market Policy Evaluation (Harvard), Green Line Conference (BU), Verein fuer Socialpolitik Oekonometrischer Ausschuss, Camp Econometrics New York.

2012/13: Bates White Annual Conference, 8<sup>th</sup> International Conference on Panel Data (Paris), ESEM Malaga, NA ES Winter Meetings (San Diego), Center for American Progress Conference on Marginal Propensity to Consum, Green Line Conference (BC), Verein fuer Socialpolitik Oekonometrischer Ausschuss.

2013/14: NA ES Winter Meetings (Philadelphia), Verein fuer Socialpolitik Oekonometrischer Ausschuss, Econometrics of Demand (BC), Green Line Conference (BU), University of Wisconsin Miniconference.

2014/15: NA ES Winter Meetings (Boston), ASA Meetings, Verein fuer Socialpolitik Oekonometrischer Ausschuss, Nonparametric Demand (UCL), Green Line Conference (BU/BC).

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## ***PUBLICATIONS***

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### ***CHAPTERS IN BOOKS***

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**Developments in Nonparametric Demand Analysis: Heterogeneity and Nonparametrics**, in: *Quantifying Consumer Preferences*, Contributions to Economic Analysis Series, D. Slottje, M. McAleer, C.Chang (eds.), London: Emerald Group Publishing, 2009.

**Dynamic Nonseparable Panel Data Models** (jointly with Hal White, UCSD), in: *Causality, Prediction, and Specification Analysis: Recent Advances and Future Directions Essays in Honour of Halbert L. White Jr.*, X. Chen and N.Swanson (eds.), Springer Verlag, 2012.

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### ***PAPERS – PUBLISHED AND FORTHCOMING***

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**Local Partitioned Regression** (jointly with Norbert Christopeit, Bonn), *Econometrica*, 74 (3), 787-818, May 2006.

**Identification of Marginal Effects in Nonseparable Models without Monotonicity** (jointly with Enno Mammen, Mannheim), *Econometrica*, 75 (5), 1513-1518, September 2007

**Increasing the Price Variation in a Repeated Cross Section** (jointly with Sonya Mihaleva, Brown), *Journal of Econometrics*, 147 (2), 316-326, December 2008.

**Identification and Estimation of Marginal Effects in Nonseparable, Nonmonotonic Models**, (jointly with Enno Mammen, Mannheim), *Econometrics Journal*, lead article, 12 (1), 1-25, May 2009.

**Testing and Imposing Slutsky Symmetry in Nonparametric Demand Systems**, (jointly with Krishna Pendakur, Vancouver and Berthold Haag, HVB München), *Journal of Econometrics*, 153 (1), 33-50, November 2009.

**Reconsidering the Random Coefficient Model**, (jointly with Jussi Klemelä and Enno Mammen, Mannheim), *Econometric Theory*, 26(3), 804-837, June 2010.

**Structural Measurement Errors in Nonseparable Models** (jointly with Joachim Winter, München), *Journal of Econometrics*, 157(2), August 2010.

**Demand Analysis as an Ill-Posed Inverse Problem with Semiparametric Specification** (jointly with Hajo Holzmann, Marburg), *Econometric Theory*, 27 (03), 609-638, 2011.

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**PAPERS – PUBLISHED AND FORTHCOMING**

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**Nonparametric Binary Choice Panel Data Models** (jointly with Kyusang Yu, Seoul, and Enno Mammen, Mannheim), *Econometrics Journal*, 14, 351–367, 2011.

**How Many Consumers are Rational**, *Journal of Econometrics*, 164(2), 294-309, 2011, **Was Nonparametric Demand Systems, Instrumental Variables and a Heterogeneous Population** (was revise and resubmit at *Econometrica*).

**Nonparametric Identification in Nonseparable Panel Data Models with Generalized Fixed Effects**, (jointly with Hal White, UCSD). *Journal of Econometrics*, 168 (2), 2012, 300–314.

**Demand Systems with Many Goods** (jointly with Arthur Lewbel, Boston College), forthcoming, *Econometric Theory*, 2013.

**Revealed Preferences in a Heterogeneous Population** (jointly with Jörg Stoye, Cornell) forthcoming, *Review of Economics and Statistics*, 2014.

**Quantile Derivatives and Panel Data** (jointly with Victor Chernozhukov (MIT), Ivan Fernandez-Val (BU), Hajo Holzmann (Marburg) and Whitney Newey(MIT)), *Journal of Econometrics*, forthcoming.

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**PAPERS UNDER REVISION AND RESUBMISSION**

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**Endogenous Semiparametric Binary Choice Model with Heteroskedasticity**, *Econometric Theory*.

**Testing Monotonicity in Unobservables with Panel Data** (jointly with Liangjun Su, SMU and Hal White, UCSD), *Journal of Econometrics*.

**Testing Multivariate Economic Restrictions Using Quantiles: The Example of Slutsky Negative Semidefiniteness** (with Holger Dette, Bochum, and Natalie Neumayer, Hamburg). *Journal of Econometrics*.

**A Triangular Treatment Effects Model with Random Coefficients in the Selection Equation** (jointly with Eric Gautier, ENSAE Paris), reject & resubmit, *Econometrica*.

**Testing Stochastic Rationality and Predicting Stochastic Demand: The Case of Two Goods** (jointly with Jörg Stoye, Cornell), *Economic Theory*

**Welfare Analysis using Nonseparable Models** (jointly with Anne Vanhems, TSE and TBS) *Journal of Applied Econometrics*

**A Correlated Binary Random Coefficient Model** (jointly with Bob Sherman, Caltech), *Journal of Econometrics*

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***SUBMITTED PAPERS***

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**Outcome Conditioned Treatment Effects** (jointly with Yuya Sasaki, Johns Hopkins University)

**Testing Homogeneity in Demand Systems Nonparametrically: Theory and Evidence.** (jointly with Sonya Mihaleva, Brown and Berthold Haag, HVB München)

**Specification Testing for Nonparametric Structural Models with Monotonicity in Unobservables** (with Liangjun Su, Singapore Management University and Hal White, UCSD)

**Semiparametric Estimation of Random Coefficients in Structural Economic Models** (jointly with Lars Nesheim, UCL, and Anna Simoni, Bocconi)

**Nonlinear Difference-in-Differences in Repeated Cross Sections with Continuous Treatments** (jointly with Xavier d'Haultfoeuille, CREST, and Yuya Sasaki, JHU)

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***WORKING PAPERS***

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**Nonparametric Identification of Euler Equations** (jointly with Juan Carlos Escanciano, UIB, Arthur Lewbel, BC, Oliver Linton, Tang Srisuma, both Cambridge)

**Identification in Duration Models with Correlated Unobserved Heterogeneity** (jointly with Aureo de Paula, UCL)

**On the Concavity of the Consumption Function** (jointly with Melanie Birke, Bayreuth)

**Welfare Analysis using Linear Random Coefficient Models** (jointly with Anne Vanhems, TSE and TBS)

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***SERVICE IN COMMITTEES, ORGANIZATION OF SEMINARS AND CONFERENCES***

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2013 Organizer Conference “Econometrics of Demand”, with R.Blundell  
Applied Micro/Econometrics Seminar, BC, Organizer

2012 Search Committee Applied  
Applied Micro/Econometrics Seminar, BC, Organizer

2011 Search Committee IO, Organizer,  
Applied Micro/Econometrics Seminar, BC, Organizer  
Organizer Conference “Econometrics of Demand”, with R.Matzkin and W.Newey  
ESEM Programm Committee, Member

2010 Junior Search Committee, Econometrics, IO, Brown.  
Co-Organizer, Econometrics Seminar, Brown.

2009 Organizer Conference “Econometrics of Demand”, Brown.  
Co-Organizer, Econometrics Seminar, Brown.  
ESEM Programm Committee, Member.  
2008 Co-Organizer, Econometrics Seminar, Brown.  
ESEM Programm Committee, Member.

≤ 2006 Senior Search Committee, Econometrics, Mannheim.  
ESEM Programm Committee, Member.  
Organizer, Econometrics Seminar, Mannheim.

Organizer SFB 504 Workshop on “Nonparametrics and Demand.

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***AWARDS, SCHOLARSHIPS AND GRANTS***

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Oct. 2004	Prize and Grant of the Land Baden-Württemberg for “Elite Young Researchers”, 50.000 Euro.
Oct. 1997 – Sep. 1999	DFG Sonderforschungsbereich 303 Grant

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***SUPERVISION***

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Toru Kitagawa	Secondary advisor. First placement: UCL, 2010.
Yuya Sasaki	Primary advisor. First placement: Johns Hopkins U, 2012.

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***CONSULTING***

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Sept 2012 – Dec 2012	Amazon.com
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