

## Academic positions

- 10/2018 - Stand-In Professor (W3)  
“Economics, esp. Empirical Economic Research”,  
Department of Economics, University of Munich.
- 08/2017 - 07/2018 Stand-In Professor (W3) “Microeconometrics”,  
Department of Economics, University of Mannheim.
- 2014 - present Head of Research Unit “Health Econometrics”.
- 2011 - present Senior Researcher, Munich Center for the Economics of Aging (MEA),  
Max Planck Society.
- 04 - 06/2013 Visiting Research Fellow, Department of Economics,  
University of Bristol.
- 2007 - 2011 Research and Teaching Assistant, Seminar for Empirical Research,  
Department of Economics, University of Munich.

## Academic education and degrees

- May 2012 PhD (Dr. oec. publ.; summa cum laude), University of Munich,  
Thesis Title: Financial Incentives and Behavior.  
Four Essays in Applied Health and Labor Economics.
- 2007 - 2012 Munich Graduate School of Economics (Supervisor: Joachim Winter).
- January 2007 Diploma (Economics), University of Munich.

## Research Interests

Applied Econometrics; Statistical Learning; Health, Labor and Experimental Economics

## Papers in refereed journals

- Farbmacher H., Windmeijer F., Davies N.M., Smith G.D. “On the Use of the Lasso for Instrumental Variables Estimation with Some Invalid Instruments” *Journal of the American Statistical Association*, forthcoming.
- Farbmacher H., Bach P., Spindler M. (2018) “Semiparametric Count Data Modeling with an Application to Health Service Demand” *Econometrics and Statistics*, forthcoming.
- Farbmacher H., Guber R., Vikstroem J. (2018) “Increasing the credibility of the twin birth instrument.” *Journal of Applied Econometrics*, 33(3), 457–472.
- Farbmacher H., Ihle P., Schubert I., Winter J., Wuppermann A. (2017) “Heterogeneous Effects of a Nonlinear Price Schedule for Outpatient Care.” *Health Economics*, 26(10), 1234–1248.
- Farbmacher H., Kögel H. (2017) “Testing under a special form of heteroskedasticity.” *Applied Economics Letters*, 24(4), 264–268.

Farbmacher H., Burgess S., Davies N.M., Smith G.D., Scholder S.v.H.K., Windmeijer F. (2015) “The many weak instrument problem and Mendelian randomization.” *Statistics in Medicine*, 34(3), 454–468.

Farbmacher H. (2013) “Extensions of hurdle models for overdispersed count data.” *Health Economics*, 22(11), 1398–1404.

Farbmacher H., Winter J. (2013) “Per-period co-payments and the demand for health care: Evidence from survey and claims data.” *Health Economics*, 22(9), 1111–1123.

Farbmacher H. (2012) “GMM with many weak moment conditions: Replication and application of Newey and Windmeijer (2009).” *Journal of Applied Econometrics*, 27(2), 343–346.

Farbmacher H. (2011) “Estimation of hurdle models for overdispersed count data.” *Stata Journal*, 11(1), 82–94.

### Work in progress

Farbmacher H., Bun M., Poldermans R. “Finite sample properties of the Anderson and Rubin (1949) test”, unpublished manuscript. Revise and resubmit at *Econometric Reviews*.

Farbmacher H., Bucher-Koenen T., Guber R., Vikstroem J. “Double trouble: The burden of child rearing and working on maternal mortality”, unpublished manuscript. Revise and resubmit at *Demography*.

Farbmacher H., Kögel H., Spindler M. “Heterogeneous effects of poverty on cognition”, unpublished manuscript.

Farbmacher H., Bordt S. “Estimating individual heterogeneity in repeated public goods experiments”, unpublished manuscript.

Farbmacher H., Kann A. “On the effect of imputation on 2SLS estimation”, unpublished manuscript.

### Commands in Stata

`sivreg` - (Adaptive) Lasso with some invalid instruments, 2017.

`nwind` - module to compute Newey-Windmeijer VCE after `ivreg2` GMM-CUE estimation, 2014.

`ztnbp` - module to estimate zero-truncated NegBin-P regression, 2012.

`ztpflex` - module to estimate zero-truncated Poisson mixture regression, 2012.

`ztpnm` - module to estimate zero-truncated Poisson normal mixture regression, 2011.

### Refereeing

Applied Economics; B.E. Journal of Economic Analysis and Policy; Journal of Economic Behavior and Organization; Journal of Health Economics; Journal of Labour Market Research; Empirical Economics; Fiscal Studies; Health Economics; Journal of Aging and Social Policy; Stata Journal; Tourism Management.

## Teaching experience

### *University of Mannheim:*

- Regression Shrinkage Methods (M.Sc. level), seminar, Spring Term 2018.
- Topics in Empirical Economics (M.Sc. level), lecture and tutorial, Spring Term 2018.
- Educational Economics (B.Sc. level), seminar, Spring Term 2018.
- Applied Econometrics (M.Sc. level), lecture and tutorial, Fall Term 2017.
- Topics in Empirical Economics (M.Sc. level), lecture and tutorial, Fall Term 2017.
- Applied Health Economics (B.Sc. level), seminar, Fall Term 2017.

### *University of Augsburg:*

- Causal Inference in the Social Sciences (M.Sc. level), lecture, Winter Term 2015/16 & Winter Term 2016/17.

### *University of Munich:*

- Advanced Topics in Econometrics (PhD & M.Sc. level), lecture and tutorial, Winter Term 2014/15.
- Applied Health Economics (M.Sc. level), lecture and tutorial, Summer Term 2014.
- Microeconometrics (PhD & M.Sc. level), tutorial, Summer Term 2011.
- Advanced Econometrics (PhD & M.Sc. level), tutorial, Winter Term 2010/11.
- Empirische Wirtschaftspolitik (B.Sc. level), tutorial, Winter Term 2009/10 & Winter Term 2008/09.
- Empirische Ökonomie (B.Sc. level), tutorial, Summer Term 2008.

Supervision of seminars and Bachelor-, Master- and Diploma theses in Health Economics and Statistics.

## Awards and grants

Otto Hahn Medal of the Max Planck Society, 2014.

Travel grant from Fritz Thyssen Stiftung for research stay at the University of Bristol, 2013.

**Conferences**

Statistische Woche: Linz, 2018;  
Verein für Socialpolitik: Vienna, 2017;  
Econometric Study Group Conference: Bristol, 2017;  
Mendelian randomization in the age of large-scale accessible genomics data: Bristol, 2017;  
Annual Conference of the Royal Economic Society: Bristol, 2017;  
DGGÖ-Jahrestagung: Basel, 2017;  
22nd International Panel Data Conference: Fremantle, 2016;  
North American Summer Meeting of the Econometric Society: Philadelphia, 2016;  
Annual Conference of the Royal Economic Society: Sussex, 2016;  
Tagung der Deutschen Arbeitsgemeinschaft Statistik: Göttingen, 2016;  
UvA-Econometrics Panel Data Workshop: Amsterdam, 2016;  
World Congress of the Econometric Society: Montréal, 2015;  
Frontiers of Theoretical Econometrics: Constance, 2015;  
International Association for Applied Econometrics (Annual Conference): Thessaloniki, 2015;  
German Network of Young Microeconometricians: Mannheim, 2015;  
Workshop dggö-Ausschuss Gesundheitsökonometrie: Wuppertal, 2014;  
Augsburg Workshop on the Economics of Health Behaviors and Prevention: Augsburg, 2013;  
European Workshop on Econometrics and Health Economics: Lund, 2012;  
DGGÖ-Jahrestagung: Constance, 2012;  
Econometric Society European Meeting, Oslo 2011;  
European Economic Association: Glasgow, 2010;  
Verein für Socialpolitik: Kiel, 2010.

**Personal Information**

Nationality	German
Date of Birth	28 <sup>th</sup> of May 1979
Marital Status	married, two children