

Curriculum Vitae

DR. ANNA KLABUNDE

Current Position: Research Scientist, Research Group: International Migration
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Education

Feb 2014 Doctorate in Economics (equivalent to a PhD, *summa cum laude*), Ruhr-Universität Bochum, Germany. Advisors: Prof. Dr. Michael Roos, Prof. Dr. Pietro Terna
2009 – 2010 PhD Student, International PhD Program in Institutions, Economics and Law, Collegio Carlo Alberto, Turin, Italy
Feb 2008 Diploma (equivalent to an M.A.) in Economics, Philipps-University Marburg, Germany. Advisor: Prof. Dr. Evelyn Korn

Grants, Scholarships and Prizes

2014 Gebrüder Deschauer dissertation prize (1300 €)
2013 Ruhr University Research School Plus Conference Organization Grant (5000 €) for the essa@work Workshop
2012 – 2013 Ruhr University Research School Plus travel grants (2800 €)
2010 – 2012 Member of the Ruhr University Research School (3000 € grant); German Excellence Initiative
2009 – 2010 Turin University Graduate Student full Scholarship (1100 € per month)
2004 – 2005 European Union Erasmus Scholarship, Universidad Autonoma de Madrid

Employment

Feb 2014 – Research Scientist, Max Planck Institute for Demographic Research, Research Group International Migration, Rostock, Germany
2010 – 2014 Research Associate, Ruhr-Universität Bochum, Chair of Macroeconomics, Department of Economics, Bochum, Germany
2008 Tax Policy Analyst, Alberta Finance and Enterprise, Budget and Fiscal Planning Department, Edmonton, Canada (4 months)
2008 Graduate Assistant, Philipps-University Marburg, Department of Economics Examination Office, Marburg, Germany (3 months)
2007 – 2008 Teaching and Research Assistant, Philipps-University Marburg, Chair of Microeconomics, Department of Economics, Marburg, Germany
2007 Intern, KfW Entwicklungsbank (German bank for financial development cooperation), Strategy Department and Latin America and Caribbean Department, Frankfurt, Germany (4 months)
2006 Intern, GIZ (former GTZ, German organisation for technical development cooperation), Modernization and Decentralization -PROMODE Program, Quito, Ecuador (3 months)

Publications

Articles

- 2015 1. Anna Klabunde and Frans Willekens: *Decision-making in agent-based models of migration – State of the art and challenges*, European Journal of Population (forthcoming).
2. Tom Warnke, Anna Klabunde, Alexander Steiniger, Adeline M. Uhrmacher and Frans Willekens: *ML3: A Language for Compact Modeling of Linked Lives in Computational Demography*, Winter Simulation Conference Proceedings (forthcoming).
3. Jürgen Groeneveld, Anna Klabunde, Michelle O’Brien and André Grow. *How to Describe Agent-Based Models in Population Studies?* In A. Grow & J. Van Bavel (Eds.), *Agent-Based Modelling in Population Studies - Concepts, Methods, and Applications*, Springer (forthcoming).
4. Anna Klabunde: *How Much Should an Investor Trust the Startup Entrepreneur? A Network Model*, Journal of Economic Interaction and Coordination (forthcoming).
5. Anna Klabunde: *Computational Economic Modeling of Migration*, in: Shu-Heng Chen and Mak Kaboudan (Eds.): *Oxford University Press Handbook on Computational Economics and Finance*. Oxford University Press (forthcoming).
- 2014 6. Michael Roos and Anna Klabunde: *Trust in a Network of Investors and Startup Entrepreneurs*, in: *Artificial Economics and Self Organization*, Springer International Publishing, 147–159.

Working Papers

- 2015 1. Anna Klabunde, Frans Willekens, Sabine Zinn and Matthias Leuchter: *An agent-based decision model of migration, embedded in the life course – Model description in ODD+D format*, MPIDR Working Paper 2015-002, June 2015.
- 2014 2. Anna Klabunde: *Computational Economic Modeling of Migration*, Ruhr Economic Papers 471, February 2014.
- 2013 3. Anna Klabunde: *How Much Should an Investor Trust the Startup Entrepreneur? A Network Model*, Ruhr Economic Papers 450, November 2013.
- 2010 4. Anna Klabunde and Evelyn Korn *Parasites and ravenmothers: A German-Japanese comparison on (lone) motherhood*, Ruhr Economic Papers 196, July 2010.

Unpublished articles

- 2008 1. *Tax policies to enhance labor productivity - What is out there and what would work for Alberta?*
2. *Institutionelle Rahmenbedingungen für die Entscheidung einen Ein-Elternhaushalt zu gründen - Ein Ländervergleich (Institutional Framework for Founding a One-Parent Household - A Cross-Country Comparison)*, Diploma thesis, equivalent to a Master’s thesis, Philipps-University Marburg.

Work in Progress

An agent-based model of migration from Senegal to Southern Europe (with S. Zinn, M. Leuchter and F. Willekens)

Periodic statistical equilibrium: An equilibrium concept for economic agent-based models (with F. Schaff and M. Roberts)

Dynamic model of slum formation (with S. Issar)

Disentangling different return motives

The relationship between timing of marriage and timing of migration - an instrumental variable approach (with A. Ruggeri)

Invited presentations

- 2015 Oct. Workshop “The science of choice – How to model the decision-making process”, Max Planck Institute for Demographic Research (Rostock, Germany): Life course modeling extended by behavioral rules – Migration from Senegal to Southern Europe
- 2014 Dec. Research Seminar University of Southampton (UK): An agent-based decision model of migration, embedded in the life course
- 2014 Jan. Research Seminar Helmholtz Centre for Environmental Research – UFZ (Leipzig, Germany): Computational Economic Modeling of Migration
- 2013 Sep. Workshop “The decision to emigrate – Agent-based modeling of international migration”, Max Planck Institute for Demographic Research (Rostock, Germany): Computational Economic Modeling of Migration
- 2012 Mar. Research Seminar Universitat Jaume I (Castellón de la Plana, Spain): Modeling financial networks based on interpersonal trust
- 2010 Jun. Research Seminar Philipps University Marburg (Marburg, Germany): The role of networks in the migration cycle: An agent-based model

Presentations with international audience

- 2014 Sep. Meeting of the German Network of New Economic Dynamics (Darmstadt, Germany): An equilibrium concept for economic agent-based models – Automatic detection of periodicities and stationarity
- 2014 Mar. ESSA@work, Ruhr-Universität Bochum (Bochum, Germany): How to describe agent-based models of migration?
- 2013 Aug. Artificial Economics Conference (Klagenfurt, Austria): Trust in a Network of Investors and Startup Entrepreneurs.
- 2013 Jun. 18th Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (Reykjavik, Iceland): How much should an investor trust the startup entrepreneur? A network model.
- 2013 Apr. First Conference of the Herbert Simon Society (New York, NY): How much should an investor trust the startup entrepreneur? A network model.
- 2013 Mar. ESSA@work Doctoral workshop (University of Osnabrück, Germany): A model of business angel investing
- 2011 Jun. 17th International Conference on Computing in Economics and Finance (San Francisco, CA): What explains observed patterns of circular migration? An agent-based model
- 2011 Feb. Eastern Economic Association Annual Conference (New York, NY): What explains observed patterns of circular migration? An agent-based model
- 2009 Jun. XXIII annual conference of the European Society for Population Economics (Sevilla, Spain): Parasites and Raven Mothers: A German-Japanese Comparison on (lone) Motherhood
- 2008 Sep. Workshop Toyo University - Philipps-University Marburg on Economic Aspects of Social Policy (Marburg, Germany): Lone Mothers: Incentives and Economic Consequences

Other presentations and summer school participation

- 2015 Mar. Deutsche Gesellschaft für Demographie e.V. Annual Conference (Berlin, Germany): Entscheidungsverhalten in agentenbasierten Modellen der Migration (Decision-making in agent-based models of migration)
- 2014 Sep. Pre-meeting to the Workshop on Recent Developments and Future Directions in Agent-Based Modelling in Population Studies: Behavioral theories and decision-making in agent-based models of migration (Leuven, Belgium)
- 2014 Jan. The First Winter School on the Analytics and Policy Design of Migration, Georgetown University School of Foreign Service (Doha, Qatar)
- 2013 Jun. WEHIA-COST PhD School on “Agent-based modeling and policy design for financial crises” (Reykjavik, Iceland)
- 2012 Sep. A Summer Course on DSGE Modelling, Centre for International Macroeconomic Studies (University of Surrey, UK)
- 2011 Oct. Research Day of the Ruhr University Research School (Bochum, Germany): What explains observed patterns of circular migration? An agent-based model
- 2010 Sep. CEMFI (Centro de Estudios Monetarios y Financieros) Summer School on Behavioral Finance: Speculative Bubbles and Financial Crises; 300 € grant (Madrid, Spain)

Referee activities Journals refereed

European Journal of Comparative Economics
 European Journal of Law and Economics

Organizing activities for conferences, courses and meetings

- 2015 Oct. Course coordinator: A stochastic process approach to agent-based modeling and simulation. Two-week course held at the Max Planck Institute for Demographic Research
- 2015 Oct. Conference Organizer: The science of choice - How to model the decision-making process. Three-day conference held by the IUSSP panel on Microsimulations and Agent Based Modeling in Demography and the Max Planck Institute for Demographic Research
- 2014 Oct. Course coordinator: Agent-based modeling and simulation (ABM-ABS). Two-week course held at the Max Planck Institute for Demographic Research
- 2014 Mar. Organizer: Workshop *essa@work* (International Workshop on Agent-based modeling in the social sciences)
- 2011 Jan. Organizer, with Birte Hoffmann: Interdisciplinary Workshop ‘Agent-based modeling in the social sciences’

Professional committees

- 2014 Election committee for an academic staff representative in the Sections of the Scientific Council of the Max Planck Society, Max Planck Institute for Demographic Research
- 2013 Scientific staff representative in the appointments committee for the professorship in Public Economics and Policy at Ruhr University Bochum
- 2013 Early Career Researchers Board, Ruhr University Research School Plus (funded by the German Excellence Initiative / DFG)

Membership of professional organisations

European Society of Population Economics, European Social Simulation Association,
 German Network for New Economic Dynamics

Other qualifications

- “Professional Teaching Competence in Higher Education Basic Module” (76 hours workload)
- “Professional Teaching Competence in Higher Education Advanced Module” (64 hours workload)

Teaching activities

Lecturer

- 2015 Lecture ‘Agent-based modeling in continuous time – the example of international migration’ and computer lab in R for 14 PhD students and PostDocs (IDEM 112 Course: A stochastic process approach to agent-based modeling and simulation)
- 2014 Lectures ‘Decision-making in ABMs: Practices and challenges’ and ‘Documentation of ABMs’, and supervision of a mandatory miniproject for 20 PhD students and PostDocs (IDEM 112 Course: Agent-based modeling and simulation)
- 2013 Seminar with Wolfgang Luhan: Dynamic Stochastic General Equilibrium Models and their Drawbacks (M.Sc.)
- 2011–2013 Monetary Economics and Policy, Qualification program for university lecturers in Afghanistan (funded by the German Academic Exchange Service)
- 2012 Seminar: Topics in Advanced Macroeconomics (M.Sc.)
- 2012 Introductory Macroeconomics (one week teaching exchange with Universitat Jaume I, Castellón de la Plana, Spain)

Teaching assistant

- 2013–2014 International Economics (Undergraduate)
- 2012–2013 Seminar: Macroeconomic and Financial Governance (M.Sc.)
- 2011–2012 Macroeconomic Project Seminar: Agent-based modeling in macroeconomics (M.Sc.)
- 2011 Current research topics in macroeconomics (Undergraduate)
- 2010–2011 Case studies in international economics (Undergraduate and M.Sc.)
- 2007–2008 Microeconomics II (Undergraduate)

Mentoring activities

Undergraduate students advised

- 2013 What effect did austerity policies have in the European economic crisis?
- 2013 Should central banks be in charge of macroprudential policies?
- 2012 What is the relationship between currency crises and confidence?
- 2012 What was the effect of the Euro crisis on the British pound?
- 2011 Does Macroeconomics still need the representative agent?
- 2011 What can we learn about reputation from an agent-based model?
- 2011 What is the effect of consumer confidence on economic behaviour?
- 2011 What is the effect of inflation experience on current behavior and preferences?
- 2011 How do firms assess market risk and how does this affect the macroeconomy?

Master students co-advised

- 2014–2015 The effect of migration on the timing of marriage
- 2012–2013 Model of shock contagion in a banking network

Computing

Programming Languages: NetLogo, Python, R
Statistics Software: STATA, EViews, SPSS
Other Software: Matlab, Maxima, Dynare, MS Excel
Operating Systems: Windows, Linux
Word Processing: MS Office, LaTeX

Languages

German: native
English: fluent in spoken and written communication
Spanish: fluent in spoken and written communication
Italian: advanced, fluent in spoken communication
French: upper intermediate
Latin