

CURRICULUM VITAE

Cotutelle doctoral candidate in demography at the
*Chair of Empirical Social Research
and Demography,
University of Rostock,
Rostock, Germany*

&

*Department of Demography/ Population Research Centre,
Faculty of Spatial Sciences,
University of Groningen,
Groningen, The Netherlands*



Working title of the dissertation

Exposure to living environment and its effect on health

Supervisors of the dissertation

- Prof. Dr. Gabriele Doblhammer (University of Rostock)
- Prof. Dr. Fanny Janssen (University of Groningen)

PERSONAL INFORMATION

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|----------------|---|
| Date of birth | 16 December 1989 |
| Marital status | married, one child |
| Address | University of Rostock Faculty of Economics and Social Sciences Institute for Sociology and Demography Chair of Empirical Social Research and Demography Ulmenstr. 69 D-18057 Rostock |



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RESEARCH TOPICS

- ❖ Public health and spatial demography
- ❖ (Living) environment and health in Germany and the Netherlands
- ❖ Changes in the living environment and their short- and long-term effects on health

EDUCATION

- 10/2015-09/2017 Master of Arts, Sociology with distinction (University of Rostock, grade: 1.1, top graduate of the graduation class)
Master-Thesis: Changes in Living Environment and Health: A Longitudinal Study Based on the GSOEP (grade: 1.0)
- 10/2012-09/2015 Bachelor of Arts, Sociology (University of Rostock, grade 1.4)
Bachelor-Thesis: Job Satisfaction in the Second Part of Life: A Cross-Sectional Study Based on the Germany Ageing Survey (grade: 1.1)

FURTHER EDUCATION

- 02/2020 Project Management for Academics, instructor: Peter Wagner, 2-day course, Rostock – Graduate Academy
- 11/2019 Rechtliche Aspekte von Cotutelle und Doppelpromotionen (Legal Aspects of Cotutelle and Double Doctorates), instructor: Ass. iur. Karen Schlüter, Maître en droit, 2-day course, Bonn – International DAAD Academy
- 09/2019 Causal Inference in Epidemiology: DAGs, g-Methods and Target Trial Emulation - A Tutorial for Researchers and Educators, instructor: Prof. Dr. Uwe Siebert, 4 hours course, Ulm – annual conference of the German Society for Epidemiology 2019
- 10/2018 Advanced Statistical Data Analysis Using R, instructor: Dr. Friederike de Mol, 2-day course, Rostock – Graduate Academy
- 10/2017 Introduction to Statistical Data Analysis Using R, instructor: Dr. Friederike de Mol, 2-day course, Rostock – Graduate Academy

WORK EXPERIENCE

- Since 01/2019 Doctoral candidate at the Department of Demography, Faculty of Spatial Sciences, University of Groningen
- 06/2018-09/2018 Research associate in the RESPONSE project: partnership for innovation in implant technology (funded by the BMBF)
- Since 10/2017 Doctoral candidate and research associate at the Chair of Empirical Social Research and Demography at the University of Rostock
- 09/2016-09/2017 Project team member in the student research project
“Practices and Orientation Patterns of Peer-to-Peer Sharing in Rostock – Chance to participate or Reproduction of Social Inequalities?”
- 10/2015-09/2017 Student assistant at the Chair of Empirical Social Research and Demography at the University of Rostock

FUNDING

- 07/2019-09/2023 Scholarship of the University of Groningen for research stays at the Faculty of Spatial Sciences, Department of Demography, funding: 5000 €
- 09/2016-09/2017 Student research project (University of Rostock)
 “Practices and Orientation Patterns of Peer-to-Peer Sharing in Rostock – Chance to Participate or Reproduction of Social Inequalities?”, together with Martin Achterberg and Paul Samula (supervisor: Dr. Sylvia Keim-Klärner), funded by the HERMES-Junior-Program of the University of Rostock, funding: 4900 €

TEACHING

- Supervision Promoter of more than 20 bachelor and master theses
- Since 04/2021 Data analysis with Stata, seminar (BA-Level, 90 minutes per week, each summer semester)
- Since 10/2019 Research Colloquium: Sociology II / Demography II – Risk Factors, Risk Behavior, Risk Groups and Health (BA-Level, 90 minutes per week, each winter semester)
- Since 04/2019 Research Colloquium: Sociology I / Demography I – Risk Factors, Risk Behavior, Risk Groups and Health (BA-Level, 90 minutes per week, each summer semester)
- 04/2018-09/2019 Qualitative methods, seminar (BA-Level, 90 minutes per week, each summer semester)
- Since 10/2017 Methods and Techniques in Empirical Social Research, exercise (bachelor level, 90 minutes per week, each winter semester)

RESEARCH STAYS

- 07/2019-09/2019 Department of Demography/ Population Research Centre, Faculty of Spatial Sciences, University of Groningen, Groningen (head of department: Prof. Dr. Clara Mulder)
- 06/2022-07/2022 Department of Demography/ Population Research Centre, Faculty of Spatial Sciences, University of Groningen, Groningen (head of department: Prof. Dr. Hinke Haisma)
- 07/2022-08/2022 Netherlands Interdisciplinary Demographic Institute, research group “Ageing & Longevity”, The Hague (theme leader: Prof. Dr. Fanny Janssen, director: Prof. Dr. Helga de Valk)

HONORS & PRIZES

- Best Poster Award 2017, annual conference of the German Association for Demography (DGD) 2017. Veränderungen des Lebensumfeldes und Gesundheit: Eine Längsschnittstudie auf Basis des GSOEP
- Annual teaching award for the best course (Data analysis with Stata, BA-Level, result of evaluation 1.1 [possible range 1.0-5.0]) at the Faculty of Economic and Social Sciences, University of Rostock, in the academic year 2020/2021

PUBLICATIONS (PEER-REVIEWED)

- **ARETZ B**, COSTA R, DOBLHAMMER G, JANSSEN F (2022): The association of unhealthy and healthy food store accessibility with obesity prevalence among adults in the Netherlands: A spatial analysis. Submitted for publication.
- **ARETZ B** (2022): The short- and long-term effects of the Great Recession on late-life depression in Europe: The role of area deprivation. *Social Science & Medicine*, volume 294. Open Access. DOI: [10.1016/j.socscimed.2021.114697](https://doi.org/10.1016/j.socscimed.2021.114697).
- **ARETZ B**, JANSSEN F, VONK M J, HENEKA MT, BOEZEN HM, DOBLHAMMER G (2021): Long-term exposure to fine particulate matter, lung function and cognitive performance: A prospective Dutch cohort study on the underlying routes. *Environmental Research*, volume 201. Open Access. DOI: [10.1016/j.envres.2021.111533](https://doi.org/10.1016/j.envres.2021.111533).
- **ARETZ B**, DOBLHAMMER G, JANSSEN F (2019): Effects of changes in living environment on physical health: a prospective German cohort study of non-movers. *European Journal of Public Health*, volume 29, issue 6, pp. 1147-1153. Open Access. DOI: [10.1093/eurpub/ckz044](https://doi.org/10.1093/eurpub/ckz044).
- BARTH A, **ARETZ B**, DOBLHAMMER G (2019): Das Risiko für Erwerbsminderungsrente bei Herz-Kreislauf-Erkrankungen nach medizinischer Rehabilitation: Eine ereignisdatenanalytische Studie auf Basis von Daten der Deutschen Rentenversicherung. *Das Gesundheitswesen*, volume 82, issue 10. pp. 786-793. DOI: [10.1055/a-0832-2117](https://doi.org/10.1055/a-0832-2117).

OTHER PUBLICATIONS

- **ARETZ B**, JANSSEN F, VONK M J, HENEKA MT, BOEZEN HM, DOBLHAMMER G (2020): Long-Term Exposure to Fine Particulate Matter, Lung Function and Cognitive Performance: A Prospective Dutch Cohort Study on the Underlying Routes. Preprint on medRxiv, DOI: <https://doi.org/10.1101/2020.10.14.20212506>.

- **ARETZ B**, DOBLHAMMER G, JANSSEN F (2019): Schlechtes Lebensumfeld – schlechte Gesundheit. Welche kurzfristigen und längerfristigen gesundheitlichen Auswirkungen haben Umwelt, Infrastruktur und Wohnung? (Bad Living Environment – Bad Health. What short- and long-term health effects do environment, infrastructure and dwelling have?) Demographische Forschung aus Erster Hand (16, 4). <https://www.demografische-forschung.org/archiv/defo1904.pdf>.
- **ARETZ B**, DOBLHAMMER G, JANSSEN F (2018): Effects of Changes in Living Environment on Physical Health: A Prospective German Cohort Study of Movers and Non-Movers in Germany. *SOEPpapers* (997). <https://www.econstor.eu/bitstream/10419/191351/1/1046203460.pdf>.
- KNABE A, **ARETZ B**, BIEMANN M, BRAACK MK, HANAUER D, KUNDLER L, SAMULA P, SCHWICHTENBERG N, KLÄRNER A (2018): Die alltägliche Bewältigung von Armut - Individuelle Handlungsstrategien unter der Bedingung materieller Knappheit in städtischen und ländlichen Räumen Mecklenburg-Vorpommerns (Coping with poverty in everyday life – Individual agency of respondents in urban and rural areas of Mecklenburg-Vorpommern). Braunschweig: Johann Heinrich von Thünen-Institut, 56 p, *Thünen Working Paper* (109). [DOI:10.3220/WP1541166325000](https://doi.org/10.3220/WP1541166325000).

WORK IN PROGRESS

- FRENTZ-GÖLLNITZ M, **ARETZ B**, JANSSEN F, DOBLHAMMER G (2021-present): Differences in late-life depression among intra-European migrants: A prospective cohort study.
- **ARETZ B**; HENEKA M, DOBLHAMMER G (2022-present): The inflammatory role of leukocytes in cognitive impairment caused by fine particulate matter: A population-based mediation analysis.
- ODDING C, **ARETZ B**, VONK J, VAN DEN BERG G (2022-): The effect of air pollution on cognitive functioning and the role of genetic variation.

PRESENTATIONS & POSTERS

- **ARETZ B**, COSTA R, DOBLHAMMER G, JANSSEN F (2022): Spatial Patterns of Obesity in the Netherlands, and Its Association with (Un)Healthy Food Store Accessibility (poster at European Population Conference (EPC) 2022, Groningen, 30 June 2022)
- **ARETZ B**: The effect of the Great Recession on late-life depression in Europe: the role of area deprivation. (Presentation on the 6. International conference of the DFG priority program 1764 (The German Labor Market in a Globalized World). Conference topic: Trade, Technology, and Demographics. Online, 11.06.2021).

- **ARETZ B**, JANSSEN F, VONK M J, HENEKA M T, BOEZEN H M, DOBLHAMMER G: Luftverschmutzung, Lungenfunktion, kognitive Beeinträchtigung und die zugrunde liegenden Wirkpfade: Eine prospektive Kohortenstudie in den Niederlanden (presentation at the annual conference of the German Society for Epidemiology (DGEpi) 2019, Ulm, 13 September 2019).
- **ARETZ B**, JANSSEN F, DOBLHAMMER G: Luftverschmutzung und kognitive Beeinträchtigung – Welche Rolle spielt die Lunge? (presentation at the annual conference of the German Association for Demography (DGD) 2019, Bamberg, 14 March 2019).
- **ARETZ B**, DOBLHAMMER G, JANSSEN F: Changes in Living Environment and Physical Health: A Longitudinal Study Based on the German SOEP (presentation at European Population Conference (EPC) 2018, Brussels, 09 June 2018).
- **ARETZ B**, DOBLHAMMER G, JANSSEN F: Changes in Perceived Living Environment and Changes in Physical Health over Time. A Longitudinal Study Based on the German Socio-Economic Panel (presentation at the annual conference of the German Association for Demography (DGD) 2018, Cologne, 16 March 2018).
- **ARETZ B**: Veränderungen des Lebensumfeldes und Gesundheit: Eine Längsschnittstudie auf Basis des GSOEP (poster at the annual interdisciplinary research camp of the University of Rostock 2017, Rostock, 23 November 2017).
- **ARETZ B**: Veränderungen des Lebensumfeldes und Gesundheit: Eine Längsschnittstudie auf Basis des GSOEP (poster at the annual conference of the German Association for Demography (DGD) 2017, Rostock, 20 September 2017).
- ACHTERBERG M, **ARETZ B**, SAMULA P: Praktiken und Orientierungsmuster des Peer-to-Peer Sharings in Rostock – Chance auf Teilhabe oder Reproduktion bestehender Ungleichheiten? (presentation at the 6th Student Congress for Sociology, Chemnitz, 16 September 2017).
- **ARETZ B**, SAMULA P: Bewältigung von Armut im Alltag. Subjektive Handlungsstrategien unter der Bedingung materieller Knappheit. (presentation at the 6th Student Congress for Sociology, Chemnitz, 16 September 2017).

MEDIA PRESENCE (SELECTED)

- idw-online.de: Rostocker Forscher finden Einfluss von Feinstaub auf Gehirnleistung (Rostock researchers find influence of fine particulate matter on brain performance) [09 February 2022]. <https://idw-online.de/de/news788055>.
- spektrum.de: Feinstaub schlägt sich direkt im Gehirn nieder (Fine particles directly affects the brain) [22 November 2021]. <https://www.spektrum.de/news/wie-feinstaub-auf-das-gehirn-und-denkvermoegen-schlaegt/1951411>.

- [aerzteblatt.de: Gesundheitsbeeinträchtigungen durch schlechtes Lebensumfeld \(Health impairments due to poor living environment\) \[11 February 2020\].
<https://www.aerzteblatt.de/nachrichten/109285/Gesundheitsbeeintraechtigungen-durch-schlechtes-Lebensumfeld>.](https://www.aerzteblatt.de/nachrichten/109285/Gesundheitsbeeintraechtigungen-durch-schlechtes-Lebensumfeld)

REVIEWER FOR JOURNALS

- Environmental Research
- European Journal of Public Health
- Journal of Epidemiology and Community Health (JECH)
- PLOS ONE
- Scandinavian Journal of Public Health
- Social Science & Medicine (SSM)
- SSM – Population Health

COMPUTER SKILLS

- Stata, R, SPSS, ArcGIS, GeoDa, QGIS, MS Office, Libre Office, Adobe Illustrator, TYPO3, WordPress

MEMBERSHIPS

- German Society for Demography (Deutsche Gesellschaft für Demographie - DGD)
- German Society for Epidemiology (DGEpi)
- European Association for Population Studies (EAPS)

OTHER

- 2019: Member of the Nominating Committee for the board of the German Demographic Society (DGD), election period 2019-2022