#### **MATTHIAS RIEGER**

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#### **Professional Address**

Institute of Social Studies of Erasmus University Rotterdam Kortenaerkade 12 2518AX The Hague, Netherlands

#### **Academic Positions**

Institute of Social Studies of Erasmus University Rotterdam, The Hague, Netherlands
Associate Professor Development Economics, since 2020
Assistant Professor Development Economics (tenure track), 2014 – 2020

European University Institute, Florence, Italy

Max Weber Fellow Economics, 2013 – 2014

#### Education

Graduate Institute of International and Development Studies, Geneva, Switzerland

Ph.D., International Economics, 2013

Thesis Title: Three Essays in Development Economics

Committee: Jean-Louis Arcand, Richard Baldwin, Joachim von Braun

Summa cum laude avec les félicitations du jury

Master's, International Economics, 2009

Free University of Bolzano, Italy

Bachelor's, Economics and Social Sciences, 2007

#### Certificates

- Max Weber Program Teaching Certificate, European University Institute, 2014
- Erasmus University Academic Leadership Course, 2017

#### Research & Teaching Fields

Development Economics, Health Economics, Behavioral & Experimental Economics

#### Awards & Fellowships

- IZA Research Fellow, since 2023
- ISS Best Teacher Award, 2021
- Two-year Max Weber Fellowship, European University Institute, 2013
- Best Doctoral Thesis, Graduate Institute, Geneva (awarded by the Alumni Association), 2013

## Management & Advisory Tasks

Institute of Social Studies, Erasmus University Rotterdam

- Bord of Examiners Member, since July 2021
- External Member, Board of Examiners, Institute of Security and Global Affairs, Leiden University, since March 2023
- Major Convenor (~ Study Director), Economics of Development, since Sept 2019
- Research Degrees Committee Member, since Sept 2018

- Scientific Committee, College of Economics, Law and Government (CELG), University of Economics Ho Chi Minh City, since Dec 2021
- Co-Founder and Coordinator, Joint Doctoral Program, University of Economics Ho Chi Minh City, since Nov 2019
- Coordinator Vietnam-Netherlands Program, ISS-University of Economics Ho Chi Minh City, since 2020
- Management Team Member, Rotterdam Global Health Initiative, since Feb 2015

## Research Grants (individual acquisitions)

- **NWO SSH Open Competition Pilot 2022-2023**, *Impacts of sharing research findings with study participants: Evidence from a field experiment* planned period July 2023 July 2024
- Bill & Melinda Gates Foundation, Causal Factors of Child Growth II Jan 2017-Dec 2018
- Bill & Melinda Gates Foundation, Causal Factors of Child Growth I Oct 2015-Dec 2016
- World Health Organization-Europe, Natural Experiments Study Group June-Oct 2017
- World Bank-DIME, Interactive Measurements of Social Capital in Siem Reap Province, Cambodia
   Oct 2012-April 2013

## Research Grants (co-PI, major)

- Erasmus Trust Fund, Research for Health Impact in Africa II, South Africa (with Eddy van Doorslaer, Igna Bonfrer), Jan 2023-Dec 2027
- **Bill & Melinda Gates Foundation**, *TB Check Scale-Up* (with Ronelle Burger, Eddy van Doorslaer), Feb 2022 -April 2023
- Erasmus Trust Fund, Research for Health Impact in Africa I, Ethiopia (with Arjun Bedi, Natascha Wagner, Zemzem Shuka), Jan 2018-Dec 2022
- Enabling Entrepreneurs: An Impact of a Business Training and Heuristics Intervention in Uganda –
  Grants: International Growth Centre; JPAL Jobs and Opportunities Initiative;
  International Growth Centre (with Sarah Schroeder, Emmanuel Nshakira-Rukundo,
  Bisrat Gebrekidan, Annet Adong)

## Select Fieldwork & Country Experience

**South Africa** (Co-Principal Investigator, Mobile Health Interventions against Tuberculosis); **Vietnam** (Co-Principal Investigator, Obesity Prevention); Indonesia (Co-Principal Investigator, Food Choice); **Central African Republic** (World Bank, Field Coordinator and Co-Principal Investigator, Community-Driven Development); **Cambodia** (World Bank, Field Coordinator and Co-Principal Investigator, Self-Help-Groups); **Morocco** (Community-Driven-Development, Co-Principal Investigator); **Burundi** (Field Coordinator, Performance-Based Contracting in HIV/AIDS Testing)

#### Policy & Research Advice

**Bill & Melinda Gates Foundation** (Healthy Birth, Growth & Development-Knowledge Integration; Tuberculosis Program South Africa); **Clinton Health Access Initiative** (Tuberculosis Program South Africa); **WHO-Europe** (Natural Experiments Study Group); **World Bank** (Development Impact Evaluation Initiative); **FMO Dutch Development Bank** (Off-Grid Solar Panels Evaluation)

## PhDs, Post Doc & MA Supervisions

#### Graduated PhDs

- Tanmoy Majilla, Essays in Empirical Development Economics (with Arjun Bedi), Sept 2020
- Zemzem Shigute Shuka, Essays on Social Protection in Ethiopia (with Arjun Bedi), June 2019
- Luis Artavia-Mora, Understanding and Overcoming Biases Against Marginalized Groups (with Arjun Bedi), Dec 2020
- Delphin Ntanyoma, What Makes people (Dis)engage with Violence? (with Mansoob Murshed, Helen Hintjens), May 2022

## Ongoing PhDs

- Sean Richardson, Behaviour and Health Crises: An Exploration of the Impact of Factors tied to Behaviour and Decision-Making in the Fight Against HIV and TB in South Africa (with Tom Van Ourti and Eddy Van Doorslaer), funding secured, planned start Aug 2023
- Margarita Mecheva, Essays on the Economics of the Nutrition Transition in Indonesia (with Robert Sparrow), scheduled defense July 2023
- Nicola Mangravati (with Mansoob Murshed), since fall 2022
- Ibeth Lopez Cazar, Natural and Survey Experiments Analyzing Populism in Ecuador (with Mansoob Murshed), since April 2022
- Rio Widianto, Field Experiments to Boost Tax Compliance in Indonesia (with Mansoob Murshed), since March 2022
- Muhammad Badiuzzaman, Trust, Ethnicity and Conflict: Experimental Evidence from the Chittagong Hill Tracts of Bangladesh (with Mansoob Murshed), since Jan 2017

## Ongoing Joint PhDs with the University of Economics Ho Chi Minh City, Vietnam

- Nguyen Thi Tam Hien, Overweight and Obesity among Urban School Children in Vietnam: Prevalence, Risk Factors and Economic Impacts (with Arjun Bedi and Pham Khanh Nam), since Jan 2020
- Duong Tien Ha My, Negative Shocks and Social Preferences (with Mansoob Murshed and Pham Nam Khan), since Nov 2022
- Le Van Lam, Gender Difference in Financial Literacy and Family Financial Decision Making An Investigation in Vietnam (with Mansoob Murshed and Pham Nam Khan), since Nov 2021
- Pham Nhu Man, Household Electricity Consumption in Ho Chi Minh City (with Arjun Bedi and Truong Dang Thuy), since Jan 2020
- Vu Thu, Energy Usage and Firm Performance (with Arjun Bedi and Truong Dang Thuy), since Jan 2020

#### **External PhD Examinations**

- Amit Summan (Wageningen University), Essays on the Economics of Childhood Vaccinations, 2022.
- Fabio Andres Diaz Pavon (Institute of Social Studies), Connecting Expressions of Discontent: The Processes of Escalation, De-escalation and Recurrence of Conflict in Colombia and South Africa, 2022
- Martina Mchenga (Stellenbosch University), Making Under-Resourced Health Systems Work for Vulnerable Women and Children: Antenatal Care in Malawi, 2020
- Farzana Misha (Institute of Social Studies), The Effect of Integrated Safety Net Programs in Bangladesh and Uganda, 2020
- Muhammad Saleem (Institute of Social Studies), Evaluating Political Capture and Targeting Performance of the Benazir Income Support Program in Pakistan, 2019
- Juan David Parra Heredia Dick de Jager (Institute of Social Studies), Critical Realism and the Persistence of Poor School Performance in Northern Colombia. The Difference It Makes, 2018

#### **Post Doc**

• Sofia Trommlerova, Causal Factors of Child Growth, Jan 2016-Aug 2018

#### MAs

• 20+ MA supervisions (available on request)

### Teaching

# Institute of Social Studies, Erasmus University Rotterdam (MA Program)

- Human Behavior and Experiments in Development (4348), since 2016
- Research Paper Workshop (3105 Economics of Development), 2014 2022
- Microeconomic Remedial Course, 2015 2018
- International Financial Reform (4312, 2 guest lectures), 2015
- Foundations in Economic Development (4141, microeconomics component), 2014
- Politics and Economics of Natural Resources Management (4334, 2 guest lectures), 2015 -2018
- Mixed Methods (3201, 2 workshops), 2015

## Institute of Health Policy & Management, Erasmus University Rotterdam (MA Program)

• Health, Economic Development and Policy (GW4584M), since 2014

## University of Economics Ho Chi Minh City, Vietnam

- Research Methodology (MA Double Degree with Erasmus University), since 2015
- Development Economics & Reading Class (Joint Doctoral Program, University of Economics Ho Chi Minh City), 2022

## University of Stellenbosch, South Africa (Undergraduate)

• Behavioral and Experimental Economics, 2018

#### CERES, Netherlands (Dutch PhD Program, Development Studies)

• Playing Games in the Field (1 workshop), 2014 – 2017

#### **Publications**

#### Main Publications in Economics

Mitigating the Rise of Childhood Obesity in Urban Vietnam: Evidence from an Information Intervention (with Pham Khanh Nam, Brandon Retrepo and Natascha Wagner), *Journal of Human Resources*, forthcoming.

Snacks, Nudges and Asymmetric Peer Influence: Evidence from Food Choice Experiments with Children in Indonesia (with Margarita Mecheva, Robert Sparrow, Erfi Prafiantini, Rina Agustina), *Journal of Health Economics*, 2021, 79: 102508.

Particle Pollution and Cognition: Evidence from Sensitive Cognitive Tests in Brazil (with Arjun Bedi, Marcos Nakaguma and Brandon Restrepo), *Journal of the Association of Environmental and Resource Economists*, 2021, 8(3): 443-474.

Self-Help-Groups and Social Capital: Evidence from Cambodia (with Radu Ban and Michael Gilligan), *Journal of Economic Behavior & Organization*, 2020, 180: 174-200.

Weight Gains from Trade in Foods: Evidence from Mexico (with Osea Giuntella and Lorenzo Rotunno), Journal of International Economics, 2020, 122: 103277. Media coverage: Bloomberg, Libération, Forbes-Mexico etc.

The Impact of the Ethiopian Health Extension Program and Health Development Army on Maternal Mortality: A Synthetic Control Approach (with Natascha Wagner, Anagaw Mebratie, Getnet Alemu, and Arjun Bedi), *Social Science & Medicine*, 2019, 232: 374-381.

Community-Driven Development and Social Capital: Evidence from Morocco (with Tu Chi Ngyuen), *World Development*, 2017, 91: 28-52.

Intuitive Help and Punishment in the Field (with Luis Artavia-Mora and Arjun Bedi), *European Economic Review*, 2017, 92: 133-145.

Age-Specific Correlates of Child Growth (with Sofia Trommlerova), *Demography*, 2016, 53: 241-267.

Trans Fat and Cardiovascular Disease Mortality: Evidence from Bans in Restaurants in New York (with Brandon Restrepo), *Journal of Health Economics*, 2016, 45: 176-196. *Media coverage: New York Times, VOX etc.* 

#### Further Publications in Economics

Does Signaling Childcare Support on Job Applications Reduce the Motherhood Penalty? (with Arjun Bedi and Tanmoy Majilla), Review of the Economics of the Household, 2021, 20(2): 373-387.

The Impact of Off-Grid Solar Home Systems in Kenya on Energy Consumption and Expenditures (with Natascha Wagner, Arjun Bedi, Jurgen Vermeulen and Binyam Afewerk Demena), *Energy Economics*, 2021, 99: 105314.

Gender and Policing Norms: Evidence from Survey Experiments Among Police Officers in Uganda (with Natascha Wagner, Wil Hout and Arjun Bedi), *Journal of African Economies*, 2017, 26(4): 492-515.

Gender, Ethnicity and Teaching Evaluations: Evidence from Mixed Teaching Teams (with Natascha Wagner and Katherine Voorvelt), *Economics of Education Review*, 2016, 54(C): 79-94. Media coverage: *Times Higher Education Supplement*.

Gray University Degrees: Experimental Evidence from India (with Tanmoy Majilla), *Education Finance and Policy*, 2020, 15(2): 292-309.

Improving Maternal Health Care in a Post Conflict Setting: Evidence from Chittagong Hill Tracts of Bangladesh (with Muhammad Badiuzzaman and Mansoob Murshed), *Journal of Development Studies*, 2020, 56(2): 384-400.

Corruption and the Extractive Industries Transparency Initiative (with Elissaios Papyrakis and Emma Gilberthorpe), *Journal of Development Studies*, 2017, 70(1): 200-212.

Universal Health Coverage at the Macro Level: Synthetic Control Evidence from Thailand (with Natascha Wagner and Arjun Bedi), *Social Science & Medicine*, 2017, 172: 46-55.

Risk Aversion, Time preference and Health Production: Theory and Empirical Evidence from Cambodia, *Economics and Human Biology*, 2015, 17: 1-15.

Child Health, its Dynamic Interaction with Nutrition and Health Memory – Evidence from Senegal, (with Natascha Wagner), *Economics and Human Biology*, 2015, 16: 135-145.

The Impact of Landmines on Child Health in Angola (with Jean-Louis Arcand and Aude-Sophie Rodella-Boitreaud), *Economic Development and Cultural Change*, 2015, 63(2): 249-279.

Polygyny and Child Growth: Evidence from 26 African Countries (with Natascha Wagner), Feminist Economics, 2015, 21(2): 105-130.

HIV/Aids and Conflict: Micro Evidence from Burundi, Forum for Health Economics and Policy, 2013, 16(1).

## Interdisciplinary Publications (authorship order indicated if several co-authors)

Behavioral and Environmental Risk Factors Associated with Primary School Children's Overweight and Obesity in Urban Indonesia (second author; with Margarita de Vries Mecheva, Matthias Rieger, Robert Sparrow, Erfi Prafiantini and Rina Agustina), *Public Health Nutrition*, accepted.

Projecting Cardiovascular Deaths Averted due to Trans Fat Policies in the Eurasian Economic Union (first author; with Holly L Rippin, Adriana Pinedo, Stephen Whiting, Clare Farrand, Kremlin Wickramasinghe and Joao J Breda), *Public Health Nutrition*, 2022 Oct 3: 1-10.

Willingness to Take COVID-19 Vaccination in Low-Income Countries: Evidence from Ethiopia (last author; with Christoph Strupat, Zemzem Shigute and Arjun S. Bedi), *PLoS ONE*, 2022, 17 (3).

Use of Healthcare Services during the COVID-19 Pandemic in Urban Ethiopia: Evidence from Retrospective Health Facility Survey Data (fourth author; with Zemzem Shuka, Anagaw Mebratie, Getnet Alemu and Arjun S. Bedi), *BMJ Open*, 2022, 12(2).

Who is More likely to Return for TB Test Results?: A Survey at Three High-Burden Primary Healthcare Facilities in Cape Town, South Africa (corresponding and sixth author; with Ronelle Burger, Judy Caldwell, Mareli Claassens, Khanya Mama, Pren Naidoo, Laura Rossouw, Eddy van Doorslaer and Adam Wagstaff), *International Journal of Infectious Diseases*, 2021, 113: 259-267.

Adolescent Nutrition – Developing a Research Agenda for the Second Window of Opportunity in Indonesia (fifth author: Robert Sparrow, Rina Agustina, Hilde Bras, Grace Sheila, Athia Yumna, Edith Feskens, Alida Melse-Boonstra), *Food and Nutrition Bulletin*, 2021, 42(1S): S9-S20.

Temporal Stability of Child Growth Associations in Demographic and Health Surveys in 25 Countries (first author; with Sofia Trommlerova, Radu Ban, Kristen Jeffers and Matthew Hutmacher), *SSM - Population Health*, 2019, 7: 100352. [This research was funded by the Healthy Birth, Growth, and Development-Knowledge Integration (HBGDki) initiative, Bill & Melinda Gates Foundation.]

WHO Regional Office for Europe's Natural Experiment Studies Project: An Introduction to the Series (third author; with Andrew Snell, Aaron Reeves, Gauden Galea, Kristina Mauer-Stender and Bente Mikkelsen, David Stuckler), European Journal of Public Health, 2018, 28:1-3.

Impact of Austria's 2009 Trans Fatty Acids Regulation on All-Cause, Cardiovascular and Coronary Heart Disease Mortality (third author; with Igor Grabovac, Lisa Hochfellner, Jo Jewell, Andrew Snell, Adelheid Weber, Hans-Peter Stueger, Karin Schindler, Bente Mikkelsen and Thomas Dorner), European Journal of Public Health, 2018, 28:4-19.

Denmark's Policy on Artificial Trans Fat and Cardiovascular Disease (with Brandon Restrepo), *American Journal of Preventive Medicine*, 2016, 50(1): 69-76. *Media coverage: CNN, The New York Times, Le Monde, TIME, Jyllands-Posten, VOX, etc.* 

Trust and Trustworthiness in Young and Older Adults (third author; Phoebe Bailey, Gillian Slessor, Matthias Rieger, Peter Rendell, Ahmed Moustafa and Ted Ruffmann), *Psychology & Aging*, 2015, 30(4): 977-986.

On the Generality of Age Differences in Social and Non-Social Decision Making (with Rui Mata), The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences, 2015.

Maternal Height and the Sex Ratio (with Jean-Louis Arcand), *Journal of Evolutionary Psychology*, 2012, 10(2), 69-81.

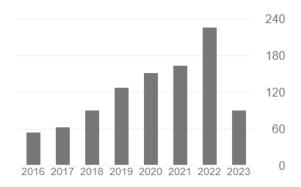
#### Letters & Commentaries

Covid-19 and Water (with Farhad Mukhtarov and Elissaios Papyrakis). In E. Papyrakis (Ed.), *Covid-19 and International Development*, 2022: 157-173. Springer-Verlag.

Polygyny and Child Health Revisited (with Natascha Wagner), *Proceedings of the National Academy of Sciences* (Letter), 2016, 113(13): E1769–E1770.

## **Google Scholar Metrics**

Citations 1001, h-index 17, 11 May 2023



#### Science Communication & Societal Relevance (selection)

## Specific Uptake of Evidence (examples)

- Restrepo and Rieger (2016, AJPM), Restrepo and Rieger (2016, JHE): Our natural experiment evidence on trans fats was an integral supporting document for a final determination by the FDA (DocketNo.FDA-2013-N-1317;FDA-2013-N-1317-0261) to remove the "generally recognized as safe" status of trans fats and supported its costbenefit analysis (FDA-2013-N-1317). The EU Commission has used our evidence to enact regulation (SWD(2019) 162 final).
- Bill & Melinda Gates Foundation: What is the Association between Open Defecation and Child Growth? Evidence from Macro and Micro Data (presentation with Sofia Trommlerova), Seattle, April 2016.
- Ban, Gilligan and Rieger (2020, JEBO): Impact evaluation influenced national government and World Bank about rolling out self-help groups in Cambodia.

## Infographics & Videos

- Influencing healthy food choices of children in Indonesia, 24 Aug 2021, available at: https://www.iss.nl/en/news/influencing-healthy-food-choices-children-indonesia [infographic]
- Has the US exported its obesity epidemic to Mexico?, 13 Jan 2020, available at: https://www.eur.nl/en/news/has-us-exported-its-obesity-epidemic-mexico [infographic]
- Ethiopian health extension programme helps reduce maternal mortality, 21 Jan 2020, available at: https://www.iss.nl/en/news/ethiopian-health-extension-programme-helps-reduce-maternal-mortality [video]

## Presentations, Workshops & Interviews

- 16 years of Nuffic Neso Vietnam A Farewell with a Future, 10 Nov 2022 [online presentation]
- The unseen faces of COVID-19, Research Insights Live debate at Pakhuis de Zwijger, Amsterdam, 17 May 2022 [debate]
- About one-quarter of children under five in Vietnam are still stunted, whereas in urban areas like Ho Chi Minh City obesity rates are exploding, Erasmus Research Services Interview, 12 Dec 2019, available at: https://www.eur.nl/en/news/about-one-quarter-children-under-five-vietnam-are-still-stunted-whereas-urban-areas-ho-chi-minh-city [interview]
- Visit Delegation Ministry of Health of Vietnam, Rotterdam Global Health Initiative & Erasmus School of Health Policy & Management, 30 Aug 2019
- Improving Dietary Quality among Adolescents, Policy Stakeholder Meeting, Jakarta, Indonesia, 17 Dec 2018 [co-organizer and presenter; see also related paper on Adolescent Nutrition Developing a Research Agenda for the Second Window of Opportunity in Indonesia, Sparrow et al, Food and Nutrition Bulletin, 2021].
- WHO-Europe, Natural Experiments Study Group, Invited Expert, Copenhagen, 2017

### Organization of Meetings

- Rotterdam Global Health Initiative, Research for Policy Impact, The Hague, 2022
- Rotterdam Global Health Initiative, Social, Protection in Health, The Hague, 2019
- Rotterdam Global Health Initiative, Creating Impact in Global Health, The Hague, 2017
- ISS-Wageningen Health Economics workshop, 2018

#### **Blogs**

- Weight Gains from Trade in Foods: Evidence from Mexico (with Osea Giuntella and Lorenzo Rotunno), VoxEU CEPR, 2 Feb 2018
- Obesity and Globalization: Evidence from Mexico (with Osea Giuntella and Lorenzo Rotunno), ProMarket, 15 Nov 2018
- Do trans-fat bans save lives? (with Brandon Restrepo), VoxEU CEPR, 16 July 2014

#### Refereeing

American Economic Review, Journal of Health Economics, Journal of Human Resources, Journal of the Association of Environmental and Resource Economists, European Economic Review, Journal of Development Studies, World Development, Demography, Health Economics, Development and Change, Social Science and Medicine – Population Health, Food Policy, Bulletin of Indonesian Economic Studies, Journal of Behavioral and Experimental Economics, Economics & Human Biology, Journal of Population Economics, Health Policy and Planning, 3ie:International Initiative for Impact Evaluation, Economic Inquiry, European Journal of Development Research, Forum for Health Economics and Policy, Food Security, JAMA-Cardiology.

	rch Presentations & Workshops
2022	American Society of Health Economics, Austin, Texas
2024	German Development Economics Conference, Stuttgart-Hohenheim
2021	International Health Economics Association congress (session organizer and presenter:
	Child Overweight, Food Choices and the Nutrition Transition) American Society of Health Economists conference (invited presentation)
	Free University of Bolzano (invited seminar)
	Groningen Workshop on Non-Communicable Diseases (invited presentation)
	Rotterdam Global Health Initiative Network Meeting Erasmus School of Economics
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2018	NBER Workshop Trade and Agriculture (with co-authors)
	SEEDEC Wageningen The Economics of Health Behaviors and Health Information, University of Bath, London
	(invited talk)
	Bocconi University, Dondena Centre (invited seminar)
2017	University of Economics Ho Chi Minh City, Vietnam (invited seminar)
	Risky Health Behaviors Workshop, Hamburg Center for Health Economics, University of
	Hamburg
	Development Economics Seminar at Wageningen University (invited seminar)
	Research in Development Economics Series at DIW Berlin (invited seminar)
2016	ETH Zurich (invited seminar)
	Grand Challenges London (invited presentation)
	Bill and Melinda Gates Foundation, Seattle (April and September, invited presentations)
2015	Health Economics Seminar, Erasmus University (invited seminar)
	IZA conference Risky Behaviors, Izmir
	Meetings of the European Economic Association, Mannheim
2014	Economics of Development and Emerging Markets (invited seminar), Institution of Social
	Studies, The Hague
	Experimental Working Group, EUI, Florence
	German Development Economics Conference, Passau
2013	Meeting of Young Swiss Economists, Bern
	Economics Department Seminar, EUI, Florence
2012	Nordic Conference in Development Economics, Gothenburg
	German Development Economics Conference, Bonn
	Meetings of the Spanish Economic Association, Vigo
2011	Behavioral Economics and Life-Span Changes in Decision Making, Heidelberg
	DIME-World Bank, Impact Evaluations in Agricultural Development, Senegal
	Development Economics Doctoral Days, University of Orleans, France
2010	DIME-World Bank, Impact Evaluations in Fragile States, Dubai
2009	Development Economics Doctoral Days, University of Paris I
Statist	cical Software

Stata, R-Cran

# Languages

German (native), English (fluent), French (fluent), Italian (basic), Dutch (basic)

Last updated: 11 May 2023