

CURRENT POSITION

Economist
Deutsche Bundesbank
Directorate General Economics
Public Finance Division

CONTACT

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60325 Frankfurt
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RESEARCH INTEREST

Monetary and Fiscal Policy, Climate Economics,
Machine Learning, Applied Econometrics, DSGE

PUBLICATIONS

- 2022 N. Hinterlang, A. Martin, O. Röhe, N. Stähler and J. Strobel (2022). Using Energy and Emissions Taxation to Finance Labor Tax Reductions in a Multi-sector Economy, *Energy Economics* 115, 106381.
- 2022 N. Hinterlang and J. Hollmayr (2022). Classification of Monetary and Fiscal Dominance Regimes Using Machine Learning Techniques. *Journal of Macroeconomics* 74, 103469.

WORKING PAPER

- 2022 A. Ernst, N. Hinterlang, A. Mahle and N. Stähler (2022). Carbon Pricing, Border Adjustment and Climate Clubs: An assessment with EMuSe. Discussion Papers 25/ 2022, Deutsche Bundesbank.
- 2021 N. Hinterlang and A. Tänzler (2021). Optimal Monetary Policy Using Reinforcement Learning. Discussion Papers 51/ 2021, Deutsche Bundesbank.
- 2021 N. Hinterlang, S. Moyer, O. Röhe and N. Stähler (2021). Gauging the Effects of the German COVID-19 Fiscal Stimulus Package. Discussion Papers 43/ 2021, Deutsche Bundesbank.
- 2020 N. Hinterlang (2020). Predicting Monetary Policy Using Artificial Neural Networks. Discussion Papers 44/ 2020, Deutsche Bundesbank.
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EDUCATION

- 01/2018 – 04/2021 **Dr. rer. pol. in Economics**, Goethe University Frankfurt, Germany
Thesis: "Machine Learning Applications in Monetary and Fiscal Policy"
Advisors: Prof. Dr. Uwe Hassler, Prof. Volker Wieland, Ph.D.
- 10/2015 – 10/2017 **M.Sc. in Quantitative Economics**, Graduate School of Economics, Finance and Management, Goethe University Frankfurt, Germany
Thesis: "Comparing Different Data Sources on Regional Residential Property Prices in Germany: A Panel Cointegration Approach"

- 04/2012 – 07/2015 **B.Sc. in Economics and Business Administration**, Goethe University Frankfurt, Germany
- Thesis: "Panel Cointegration Analysis: Explaining Health Care Expenditure in OECD Countries"
- 09/2002 – 06/2011 **Johanneum Gymnasium Herborn**, Germany
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WORKING EXPERIENCE

- 01/2023 – 05/2023 **Banco de España (External Working Experience)**, Madrid, Spain
- Economist, Directorate General Economics, Statistics and Research Economic Development Department, Conjunctural and Economic Forecasting Division, Macroeconomic Modelling Unit
- 04/2020 – present **Deutsche Bundesbank**, Frankfurt, Germany
- Economist, Directorate General Economics, Public Finance Division
- 10/2018 – 03/2020 **Deutsche Bundesbank**, Frankfurt, Germany
- Research Assistant, Directorate General Economics, Public Finance Division
- 04/2016 – 03/2020 **Goethe-University Frankfurt**, Germany
- Research & Teaching Assistant, Chair of Statistics and Econometric Methods
- 11/2016 – 02/2017 **Deutsche Bundesbank**, Frankfurt, Germany
- Intern, Directorate General Statistics, Master Thesis Project
- 04/2014 – 03/2016 **Goethe-University Frankfurt**, Germany
- Student Assistant, Chair of Statistics and Econometric Methods, Prof. Dr. Uwe Hassler and Dipl.-Kffr. Nora Dörmann
- 08/2013 – 10/2013 **Federal Statistical Office**, Wiesbaden, Germany
- Intern, Business Register
- 11/2011 – 02/2012 **Blieder-Transporte GmbH & Co. KG**, Wetzlar, Germany
- Intern, Accounting & Billing, Road haulage statistics
- 08/2011 – 11/2011 **cefa Educational Systems Inc.**, Vancouver, Canada
- Intern, Marketing & Franchising, Operational Department
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TEACHING EXPERIENCE

- Goethe University Frankfurt, Germany**
- 04/2016 – 03/2020 Mathematics for Students of Business Administration and Economics (Bachelor level), Exercise classes
- 03/2015 – 04/2015 Pre-semester courses in Mathematics (Bachelor level)
- 10/2014 – 02/2015 Mathematics for Students of Business Administration and Economics (Bachelor level), Tutorial sessions
- 04/2013 – 02/2014 Statistics (Bachelor level), Tutorial sessions

SEMINAR & CONFERENCE PRESENTATIONS

2022	SNDE, Workshop on Public Economics, Applied Economics Meeting, CEF, IIPF, CEBRA, Annual Meeting of the Austrian Economic Association, Bundesbank and ECB seminars
2021	IIPF, INFER, International Conference on Economic Modelling and Data Science, Non-traditional Data, Machine Learning and Natural Language Processing in Macroeconomics, Bundesbank workshops
2020	Meeting on Public Economics, SNDE, IIPF, Annual Meeting of the German Economic Association (Verein für Socialpolitik), Franco-German Fiscal Policy Seminar, ESCB Research Cluster on internat. Macroeconomics, fiscal policy, labour economics, competitiveness, and EMU governance Fourth Annual Workshop, Bundesbank workshops
2019	ISF, CEF, Annual Meeting of the German Economic Association (Verein für Socialpolitik)

AWARDS & SCHOLARSHIPS

10/2020	Best Paper Award of the Franco-German Fiscal Policy Seminar, Federal Ministry of Finance, Germany
06/2019	Finalist of the Graduate Student Paper Contest of the Society of Computational Economics, CEF 2019
12/2015 – 12/2017	Germany Scholarship (Deutschlandstipendium), Goethe University Frankfurt
10/2012 – 07/2015	Member of the Dean's List (Top 15, Bachelor), Goethe University Frankfurt
