Eyayaw Beze

Ph.D. candidate in Economics

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 eyayaw

Ph.D. candidate in Economics with a strong background in urban economics, data science (R and Python), and geospatial analysis.

Education

10/2019–	**Ph.D., Economics**, Ruhr Graduate School in Economics
09/2017–09/2019	**Joint European Master in Comparative Local Development**, Corvinus University of Budapest, University of (Regensburg, Trento, and Ljubljana)
08/2014–12/2015	**MA, Development Policy**, KDI School, South Korea
10/2008–06/2012	**BA, Economics**, Bahir Dar University, Ethiopia

Experience

10/2020–	**Scientific Researcher**, University of Duisburg-Essen, Germany
04–10/2019	**Intern, Research Assistant**, Leibniz Institute for East & SE European Studies, Regensburg, Germany
	○ Conducted a decomposition of trade growth in East and Southeastern European countries and Russia under the supervision of Prof. Richard Frensch.
	○ Updated the IOS Database of Economic and Social Models, improving its accuracy and comprehensiveness.
01/2016–08/2017	**Lecturer of Economics**, Department of Economics, Jimma University, Ethiopia
08/2012–08/2014	**Graduate Assistant of Economics**, Department of Economics, Jimma University, Ethiopia

Teaching

Winter 2021/22	Econometrics (Master), TA, University of Duisburg-Essen, Germany
2016–2017	Econometrics, Linear Algebra, Jimma University, Ethiopia
2012–2014	Intro to Statistics, Microeconomics, Mathematical Economics, Jimma University, Ethiopia

Dissertation Projects

○ ***Testing the Gradient Predictions of the Monocentric City Model in Addis Ababa***: Used Python & R to generate georeferenced housing data from online platforms. Validated the Alonso-Mills-Muth model and analyzed satellite-based building footprint datasets to examine the structural features of Addis Ababa. <code>

○ ***Impact of COVID-19 on Real Estate Markets in Germany***: Conducted a comprehensive analysis of housing market dynamics during the pandemic. Employed R, Python, and GIS techniques for data manipulation and econometric methods for insightful analysis. <code>

○ ***Geographic Constraints and the Housing Supply Elasticity in Germany***— Ruhr Economic Papers: Investigated housing supply elasticity using ImmobilienScout24 data. Developed measures of land undevelopability and conducted econometric analysis to estimate the elasticity and the impact of geographic supply constraints. <code>

Skills

Technical	○ R, Python, Stata, Matlab ○ Bash/Zsh, Git/GitHub ○ MySQL, PySpark ○ LaTeX, (R)Markdown/Quarto, Shiny ○ Can work with macOS, Linux, and Windows
Languages	Amharic (native), English (fluent), German (basic)

Additional Trainings

07/2023	**Workshop on Spatial Data for Economists**, RWI – Leibniz Institute for Economic Research, Essen, Germany
06/2022	**The 18th NIPE Summer School – The Econometrics of Big Data**, University of Minho, Braga, Portugal
06/2022	**Summer School in Urban Economics**, Barcelona Institute of Economics (IEB), Barcelona, Spain
09/2019–02/2020	**Advanced R for Econometricians**, University of Duisburg-Essen, Essen, Germany
02-08/2018	**Web and Data Science with R**, University of Regensburg, Regensburg, Germany

Interests

Data Science and Urban Economics	Exploring the intersection of urban economics and data science, particularly in the context of geospatial analysis and urban development. Applying data-driven approaches to understand and solve complex urban issues.
Coding and Tools	Learning and using programming languages and tools: R, Python, GIS, command-line tools, and open-source projects.
Sports	Playing and watching football, biking, and hiking.