

A. Elhefnawy

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EDUCATION

- **Massachusetts Institute of Technology (MIT)** Cambridge, MA, U.S.
MicroMasters in Data, Economics, and Development Policy.
Feb. 2020 – May 2021
 - Graduate-level coursework.
 - [Letter of Accomplishment](#) by Prof. Esther Duflo.
 - Affiliate of the MIT Alumni Association.
- **Martin Luther University of Halle-Wittenberg** Halle (Saale), Germany
B.Sc. in Business Economics; Current average grade: 2,0.
Oct. 2018 – Present
 - Bachelor's Thesis at the Chair of Econometrics:
Title: “Carbon taxes and CO₂ emissions in the transport sector: a case study of Denmark and Norway using the synthetic control method.” Supervisor: Christoph Wunder.
 - **Electives:** Economics of Money, Banking, and Financial Markets; International Finance; Innovation Economics; Empirical Economics with R; Data Science I & Data Science II.
 - STIBET Degree Scholarship, managed by the German Academic Exchange Service (DAAD).

EXPERIENCE

- **Leibniz Institute of Agricultural Development in Transition Economies (IAMO)** Halle (Saale), Germany
Research Assistant, The Department of Agricultural Markets.
July 2023 - Present
 - Analyzes datasets using R and Stata, in addition to literature reviews.
- **Martin Luther University of Halle-Wittenberg** Halle (Saale), Germany
Research Assistant, The Department of Macroeconomics.
April 2023 - Sep. 2023
 - Supports the teaching and instructors at the Department of Macroeconomics.
- **Halle Institute for Economic Research (IWH)** Halle (Saale), Germany
Research Assistant, The Department of Macroeconomics.
April 2023 - Sep. 2023
 - Supports the research groups: “Macroeconomic Analyses and Forecasts”, and “Econometric Tools for Macroeconomic Forecasting and Simulation.”
 - Analyzes, and contributes to the automation of downloading, the German national data, using R, to provide scientific assistance for the macroeconomic modelling at IWH.
- *Research Assistant, The Competitiveness Research Network ([CompNet](#)).* Sep. 2021 - Mar. 2023
 - Works on, and contributes to the 9th vintage of CompNet dataset.
 - Analyzes the CompNet data and cleans and analyzes other datasets (e.g. Eurostat, Orbis, Amadeus, EU KLEMS, OECD) to provide scientific assistance for the network's research.
 - Contributes to CompNet code, in Stata, that is sent to the European Statistical Offices to collect micro-aggregated data at different levels of aggregation from each country's firm-level microdata.
 - Works on the Reduced CompNet Dataset: a carefully cleaned dataset that contains few critical variables for the policy-oriented users.
- **Martin Luther University of Halle-Wittenberg** Halle (Saale), Germany
Student Assistant, The Evaluation Office.
May 2019 - Feb. 2020
 - Collects the students' evaluations for the university courses through standardized surveys.
 - Creates a summary of the collected data and sends it to the professors of the evaluated courses.

EXTRACURRICULAR ACTIVITIES

- **Peer Editor, MathStatBites,**

Institute for Mathematical & Statistical Innovation, hosted at the University of Chicago.

June 2022 – Present

- **MathStatBites** is a blog that provides succinct summaries of Mathematics & Statistics research for a broader audience.
- Reviews the articles before publishing, and gives feedbacks about them.

- **Participant in “The Econometrics Game”, Oeconomica,**

The University of Chicago.

Chicago, IL, U.S.

April 2022

- Fast-paced econometrics competition for undergraduate students.
- Judges: Stéphane Bonhomme; James J. Heckman; Robert Shimer.

- **Associate Member, Global Volunteer,**

AIESEC.

Halle (Saale), Germany

Mar. 2021 – Jan. 2022

- **Intensive** support and quick contact for students who want to complete a social project abroad.
- **Assistance** in finding social/volunteering projects and compiling all the necessary documents for the stay abroad.

DIGITAL SKILLS

- R & RStudio; Stata; Python; Git; L^AT_EX; Microsoft Office (Word, Excel, PowerPoint, and Outlook).

LANGUAGES

- Arabic (Native); English (C1); German (B1).

REFERENCES

- **Dr. Matthias Mertens.**

Head of the IWH-CompNet-Group, Coordinator of the Scientific Team of CompNet, IWH.

Head of the Research Group: “Innovation, Productivity, and Economic Dynamics”, IWH.

E-mail: matthias.mertens@iwh-halle.de

- **Prof. Dr. Christoph Wunder.**

Chairholder of the Chair of Econometrics, Martin Luther University of Halle-Wittenberg.

Research Fellow, The Labor and Socio-Economic Research Center (LASER), Nürnberg.

E-mail: christoph.wunder@wiwi.uni-halle.de.

- **Prof. Dr. Wolf-Heimo Grieben.**

Professor of Economic Growth and Development, Martin Luther University of Halle-Wittenberg.

E-mail: wolf-heimo.grieben@wiwi.uni-halle.de

- **Prof. Dr. Lena Tonzer.**

Head of the Chair of Macroeconomics, Otto-von-Guericke University Magdeburg.

Head of the Research Group: “Regulation of International Financial Markets and International Banking”, IWH.

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