ALEMAYEHU DEMISSEW TAYE

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 alex-taye

Work Experience

University of Luxembourg	**Belval, Luxembourg**
Doctoral Researcher in Economics	*Feb 2019 - Mar 2023*
Central Bank of Ethiopia	**Addis Ababa, Ethiopia**
Assistant Research officer at Economic Modeling and Statistical Analysis Department	*Sep 2010 - 2013*
Haramaya University	**Haramaya, Ethiopia**
Teaching Assistant	*Oct - jan 2009*
Bachelor microeconomics	
Ethiopian Economics Association	**Addis Ababa, Ethiopia**
Summer Intern	*Jun - Aug 2008*

Education

University of Luxembourg	**Belval, Luxembourg**
PhD in Economics	*Feb 2019 - Mar 2023*
Advisor: Prof. Conchita D'Ambrosio	
Center for Economic Research and Graduate Studies-Economic Institute (CERGE-EI)	**Prague**
MA in Economics and Econometrics	*Aug 2018*
US-chartered graduate education in economics	
Institute of Economics Studies (IES), Charles University	**Prague**
Master of Science in Economics and Finance	*Jun 2015*
Haramaya University	**Haramaya, Ethiopia**
BA Degree in Economics	*Jul 2010*

Research Interest

Applied microeconomics, labour and development economics, economics of wellbeing, family economics, and the intersection of machine learning and microeconometrics.

Research Papers

- *"Predictors of Reasonable Behavioral Responses to COVID-19 During the Early Wave of the Pandemic: Analysis with Machine Learning"* [with L. Borga, C. Vogele, C. D'Ambrosio and S. Greiff]
  (Revised and Resubmitted to Nature Scientific Reports)

- *"Vulnerability to Poverty: an Explainable Machine Learning Approach"* [with C. D'Ambrosio]
  (Advanced and ready for submission)

- *"Classification and Cluster of Material and Social Deprivations in EU: Algorithmic Approach*
  (Work in progress)

Academic activities

Conferences & Workshops:

IARIW 37th General Conference, Luxebourg.	*Aug 2022*
Well-Being 2022 Conference, STATEC Luxembourg.	*June 2022*

The 14th Workshop on Labour Economics–IAAEU, University of Trier. *April 2022*
Brownbag Seminar, STATEC-Research. *April 2022*
DSEFM PhD Poster Session, University of Luxembourg. *Feb 2022*
Jamboree PhD workshop, University of Luxembourg. *Sep 2021*
Work-in-progress (WIP) Seminar, University of Luxembourg. *2021*
The 2nd DTU-DRIVEN Research Colloquium, Luxembourg. *May 2021*
DSEFM PhD Poster Session, University of Luxembourg. *Feb 2021*
Work-in-progress (WIP) Seminar, University of Luxembourg. *2020*
The 1st DTU-DRIVEN Research Colloquium, Luxembourg. *March 2020*
Inequality by the Numbers workshop, CUNY Graduate Center, New York. *Jun 2019*
DSEF PhD Jamboree, University of Luxembourg. *Feb 2019*

Summer School & Traning:

Summer School on Causal Analysis and Machine Learning, University of Oxford, Oxford. *Sep 2022*
Summer School on Explainable Data Science, European Association for Data Science (EuADS). *Sep 2019*

Research Visits

Visiting Researcher, STATEC-Research *May-Aug 2019*

Awards & Recognition

CERGE-EI direct admission *with full scholarships.* *Sep 2015*
Merit Scholarships for excellent results in the final general Exam, Czech Ministry of Education. *Jun 2015*
Czech government *full scholarships for graduate students with an outstanding curriculum.* *Oct 2013*
BA in Economics with Great Distinction (Ranked 1st), Haramaya University. *Jul 2010*

Skills

o **Languages**: **Amharic**–*Native*, **Affan Oromo**–*Native*, **English**–*Fluent*, **French**–*Elementary*, and **Czech**–*Basic*.
o **Text Editor**: LaTeX, Markdown (with Python and R), and Microsoft Office.
o **Data Processing**: STATA, Python, and R.
o **Data Visualisation**: Plotly, Matplotlib, Seaborn, Dash, and ggplot.
o **Machine Learning**: Scikit-learn, Keras, Tensorflow, PyTorch and more.

References

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Last updated: March 21, 2023