

## ACADEMIC CV

**Name:** ARAB DAHIR HASSAN, PhD

**Position:** Assistant Professor

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### 2. Education Information

- ✓ PhD in Economics - Ibn Haldun University, Graduate School of Social Sciences (2024)  
Dissertation: Three essays on firm performance constraints: Empirical evidence from European and Central Asia countries
- ✓ MSc in International Trade (Thesis) - Sakarya University, Graduate School of Business (2019)  
Thesis: The relationship between bilateral official development assistance & donors' volume of export: Case study of Turkey
- ✓ BSc in Economics - Amoud University (2014)

### 3. Academic Titles and Positions

- ✓ Assistant Professor – Ibn Haldun University, School of Business, Department of Economics (29.04.2025 – Present)
- ✓ Specialist – Ibn Haldun University, School of Business, Department of Economics (24.10.2024 - 29.04.2025)
- ✓ Research Assistant – Admas University, Borama, Social Sciences / Development Studies (10.01.2015 – 20.10.2016)

### 4. Research Interests

- ✓ Applied Economics
- ✓ Applied Econometrics
- ✓ Macroeconometrics and Microeconometrics
- ✓ Data Science
- ✓ Machine Learning Applications in Economics and Finance
- ✓ Deep Learning Applications in Economics and Finance
- ✓ Spatial Data Science

## 5. Courses Taught

### Undergraduate:

- Forecasting International Markets (English, Spring 2025)
- Programming for Social Science (English, Spring 2025)

### Graduate:

- Econometrics (English, Spring 2025)

## 6. Publications

- ✓ Hassan, A. D. (2025). Neural Titans in market prediction: MLP, transformer, & hybrid models across G-7 and China. *Applied Economics Letters*, 1–6. <https://doi.org/10.1080/13504851.2025.2497429>
- ✓ Hassan, A. D. (2024). From space to place: mapping poverty in Turkish regions with NASA's global gridded relative deprivation index. *Spatial Information Research*, 32(5), 541–554.
- ✓ Hassan, A. D. (2025). Empirical analysis of the impact of Turkish bilateral official development assistance on export. *Economic Journal of Emerging Markets*, 15(1), 16–27.
- ✓ Hassan, A. D. (2023). Assessing the impact of financial obstacles on a manufacturing firm's capacity utilization: Bayesian Approach. *The Indonesian Capital Market Review*, 15(1).
- ✓ Hassan, A. D. (2019). Examining determinants of Turkey's export to OIC member countries. *International Journal of Scientific and Technological Research*, 5(2).

## Book Chapters

- ✓ Hassan, A. D. (2025). Machine Learning and Explainable AI for Electricity Demand Forecasting in Türkiye. In *Beyond Algorithms: Artificial Intelligence's Impact and Applications in Economics and Finance* (pp. 173). ISBN: 9786256055735.
- ✓ Hassan, A. D. (2025). Exploring GRU and LSTM: Foundations of Deep learning in Saudi Stock Market Forecasting. In *Beyond Algorithms: Artificial Intelligence's Impact and Applications in Economics and Finance* (pp. 203). ISBN: 9786256055735.

## 7. Languages

- ✓ English – Excellent (Reading, Writing, Speaking)
- ✓ Turkish – Good (Reading, Writing, Speaking)
- ✓ Arabic – fair (Reading, Writing, Speaking)
- ✓ Somali – Native (Reading, Writing, Speaking)

## 8. Computer Skills

- ✓ Python, RStudio, Stata, MATLAB
- ✓ Google Earth Engine, QGIS, ArcGIS