

Erdener Emin Eker

erdener.eker@tedu.edu.tr — +90 312 585 03 09 — [LinkedIn Profile](#) — TED University, Ankara, Turkey

Education

- **Ph.D. in Economics**, Middle East Technical University, Ankara, Turkey Ongoing
Thesis Title: Machine Learning Applications in Economics: Innovations and Insights
Advisor: Asst. Prof. Alev Atak
- **M.A. in Economics**, Hacettepe University, Ankara, Turkey 2020
Thesis Title: Determinants of Greenhouse Gas Emissions of EU Households
Advisor: Assoc. Prof. Onur Yeni
- **B.Sc. in Economics**, Hacettepe University, Ankara, Turkey 2017

Research Interests

Applied Econometrics, Climate Change Economics, Green Finance, Machine Learning, Neural Networks

Publications

- Yildirim, J., Alpaslan, B., and Eker, E. E. (2020). *The Role of Social Capital in Environmental Protection Efforts: Evidence from Turkey*. Journal of Applied Statistics. [link](#)

Work in Progress

- Determinants of Household Greenhouse Gas Emissions in European Union Countries (with Onur Yeni)
- Machine Learning Applications in Economics: Innovations and Insights (Ph.D. thesis)
- Impact of Conflict on Concern for Environment (with Jülide Yıldırım and Nadir Öcal)

Conference Presentations

- Eker, E. E., Yeni, O. (2020). *Determinants of Households Greenhouse Gas Emissions in European Union Countries*. International Conference on Economics, Eskişehir Orhangazi University, Turkey (Online).
- Yildirim, J., Alpaslan, B., Eker, E. E. (2019). *The Role of Social Capital in Environmental Protection Efforts: Evidence from Turkey*. 11th International Statistics Congress, Bodrum, Turkey.

Teaching Experience

- **Teaching Assistant**, TED University, Ankara, Turkey 2019 - Present

Undergraduate : Introduction to Economics I & II , Introduction to Econometrics I & II, International Economics, Microeconomics I

Graduate : Macroeconomics I & II, Econometrics, Microeconomics I

Duties: conducted weekly recitation hours, prepared problem sets and quizzes, graded assignments and exams, assisted students during office hours, and prepared weekly Stata & R lab sessions.

Skills

- **Programming and Tools:** R, Python, Stata, LaTeX, MS Office
- **Quantitative Methods:** Time Series Analysis, Panel Data Analysis, Spatial Econometrics, Machine Learning, Deep Learning, Natural Language Processing
- **Languages:** English (Fluent), Turkish (Native)

Achievements and Awards

- High Honour Student, Hacettepe University Fall 2016, Spring 2017
- Honour Student, Hacettepe University Fall 2015, Spring 2016