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RESEARCH EXPERIENCE

Postdoctoral Researcher

May 2018 – August 2018

Department of Economics

North Carolina State University, Raleigh, NC, USA

- Project Details:
 - Funding: [USDA Forest Service](#)
 - Supervisor: [Professor Barry Goodwin](#) and [Professor Jeffrey Prestemon](#)
 - Project Title: “Understanding Global Forest Product Market Effects of Trade Measures to Address Illegal Wood Fiber Sourcing”
- Created a collaborative reproducible research environment using [Git](#), [R](#), [R Markdown](#).
- Accelerated data collection/cleaning and statistical/exploratory data analysis steps with flexible user-written [R](#) functions and check procedures.

Research Assistant

August 2016 – January 2017

Department of Economics

North Carolina State University, Raleigh, NC, USA

- Project Details:
 - Funding: [North Carolina State University](#)
 - Supervisor: [Professor Barry Goodwin](#)
 - Project Title: “Dynamics of U.S. Housing and Primary Building Materials in the Presence of Structural Breaks”
- Created a conceptual framework, collected data in a reproducible way, and performed a through econometric analyses on [R](#) and [GAUSS](#).

TEACHING EXPERIENCE

Independent Instructor

January 2019 – Present

Department of Economics

Eskisehir Osmangazi University, Eskisehir, Turkey

- Created course design, lecture format, course materials, and online assessment materials.
- Authored course materials are available at the [Akademi Ekonometri Web Site](#).
- Course videos are available on [Akademi Ekonometri YouTube Channel](#).
- Courses in English: [Economics](#)
- Courses in Turkish: [Econometrics I](#), [Econometrics II](#), [Time Series Analysis](#), [Econometric Research I](#), [Econometric Research II](#), [Economics](#), [Introduction to Economics](#), [Econometrics](#), [Econometric Modelling and Time Series Analysis - Masters](#), [Financial Econometrics - Masters](#)

Teaching Assistant

January 2017 – May 2018

Department of Economics

North Carolina State University, Raleigh, NC, USA

- Assisted [Dr. Margolis](#) and [Dr. Fiori](#) with grading assignments and exams.
- Courses: [Intermediate Microeconomics](#), [Macro Fundamentals](#)

Independent Instructor

August 2014 – May 2016

Department of Economics

North Carolina State University, Raleigh, NC, USA

- Created course design, lecture format, and assessment materials.
- Developed and lectured course materials.
- Mentored students providing individualized learning support and online assignments.
- Courses: [Fundamentals of Economics](#), [Principles of Microeconomics](#)

Teaching Assistant

August 2013 – May 2014

Department of Economics

North Carolina State University, Raleigh, NC, USA

- Assisted [Dr. Hyman](#) as head teaching assistant and lab instructor.
- Developed and lectured lab materials independently.
- Improved students’ performance by implementing a collaborative learning environment.
- Courses: [Fundamentals of Economics](#)

TECHNICAL SKILLS	<ul style="list-style-type: none"> • Programming: R, Python, SQL, SAS, MATLAB, GAUSS • Data Science: Statistics, Econometrics, Machine Learning, Web Scraping, ETL, EDA • GIS: Geo-Spatial Data, ArcGIS, QGIS, GeoDa • Digital Typesetting: L^AT_EX, Markdown • Other Skills: R Markdown, shiny, Shell, Git, Azure DevOps, Reproducible Research 	
CERTIFICATIONS AND CERTIFICATES	Certifications <ul style="list-style-type: none"> • Data Scientist Associate Certification, DataCamp  January 2023 – January 2025 Certificates <p>*Only selected certificates are shown. More information can be found on my web site.</p> <ul style="list-style-type: none"> • Data Scientist Professional with R, DataCamp • Data Scientist with R, DataCamp • Data Analyst with R, DataCamp • R Programmer, DataCamp • Data Scientist with Python, DataCamp • Data Analyst with Python, DataCamp • Python Programmer, DataCamp • Statistical Inference, Coursera • Reproducible Research, Coursera • Exploratory Data Analysis, Coursera • Getting and Cleaning Data, Coursera • R Programming, Coursera • The Data Scientist's Toolbox, Coursera • Maps and the Geospatial Revolution, Coursera and PennState • SAS Programming 2: Data Manipulation Techniques, SAS • SAS Programming 1: Essentials, SAS • SAS Programming Introduction: Basic Concepts, SAS 	
SCHOLARSHIPS FELLOWSHIPS HONORS AND AWARDS	<ul style="list-style-type: none"> • Graduate Research Assistantship August 2016 – January 2017 North Carolina State University, Raleigh, NC, USA • Graduate Teaching Assistantship August 2013 – May 2018 North Carolina State University, Raleigh, NC, USA • Scholarship for Graduate Education in the U.S. August 2010 – August 2017 Ministry of National Education, Ankara, Turkey Full-tuition scholarship including stipend, health insurance, and travel expenses. • Grant for Outstanding Academic Performance September 2005 – June 2007 Bahcesehir University, Istanbul, Turkey Stipend for attaining a GPA of at least 3.8 for four semesters. • Scholarship for Undergraduate Education September 2003 – June 2008 Bahcesehir University, Istanbul, Turkey Full-tuition scholarship including stipend. 	
REFEREED JOURNAL PUBLICATIONS	<p>[1] Kara, O., Acaroglu, H., Najafi, A., and Yuruk, B., (2021). AN ECONOMIC AND TECHNICAL REVIEW FOR THE UTILIZATION OF HVDC IN TURKEY AND IN THE WORLD. <i>Konya Journal of Engineering Sciences</i>, 9(3) 809-835. </p>	
CONFERENCE PRESENTATIONS	<p>[1] Kara, O., Price Dynamics and Structural Breaks in Speculative Markets: A Case Study of Cryptocurrency. International Conference on Economics (EconTR2020@Eskişehir), Eskişehir, Turkey, 10-12 September 2020.</p>	

- [2] **Kara, O.**, Identifying and Understanding the Structural Break in Meat Demand in the USA. International Conference on Economics (EconTR2020@Eskişehir), Eskişehir, Turkey, 10-12 September 2020.

**OTHER
PUBLICATIONS**

- [1] **Kara, O.**, (2018). Emek Piyasası, İstihdam ve İşsizlik. MAKROEKONOMİ Politika ve Uygulama (pp.544-570), Ankara: Nobel Yayın Dağıtım. *Book Chapter Translation*.

**WORKING
PAPERS**

- “Dynamics of U.S. Housing and Primary Building Materials in the Presence of Structural Break” with [Barry Goodwin](#) and [Jeffrey Prestemon](#)
- “The Impact of Religion on Environmental Performance: Applied Spatial Econometrics”
- “Price Dynamics and Structural Breaks in Speculative Markets: A Case Study of Cryptocurrency”
- “Structural Break in U.S. Meat Demand: Evidence from LA/AIDS Model”
- “The Effect of Quality of Institutions on Agricultural Productivity”

**WORKS IN
PROGRESS**

- “Price Dynamics Between Cryptocurrency, Fiat Money, Stocks, Gold, and OIL: Before and After COVID-19”
- “Impacts of Quality of Institutions on Income”
- “Economic Consequences of Foreign Player Restriction in European Soccer Leagues”

**ACADEMIC
SERVICE**

Erasmus Coordinator

January 2019 – Present

Department of Economics

Eskişehir Osmangazi University, Eskişehir, Turkey

Referee Service

- Çankırı Karatekin Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi

LANGUAGES

- English (C2 Proficiency - fluent)
- Turkish (native)

POPULAR MEDIA

- Founder of [Akademi Ekonometri Website](#) and [Akademi Ekonometri YouTube Channel](#).

**MORE
INFORMATION**

More information and auxiliary documents can be found on [my web site](#).

REFERENCES

Dr. Barry Goodwin

William Neal Reynolds Distinguished Professor
Agricultural and Resource Economics
North Carolina State University
Raleigh, NC 27695-8109

☎ : +1 (919) 515-4620

✉ : bkgoodwi@ncsu.edu

👤 : Dr. Goodwin was my graduate advisor and post doctoral supervisor.

Dr. Walter Thurman

William Neal Reynolds Distinguished Professor
Agricultural and Resource Economics
North Carolina State University
Raleigh, NC 27695-8109

☎ : +1 (919) 515-4545

✉ : wally_thurman@ncsu.edu

👤 : Dr. Thurman was a member of my doctoral committee.

Dr. Jeffrey Prestemon

Adjunct Professor
Forestry and Environmental Resources
North Carolina State University
Raleigh, NC 27695-8109

☎ : +1 (919) 549-4033

✉ : jprestemon@fs.fed.us

👤 : Dr. Prestemon was a member of my doctoral committee.

*More references are available upon request.