

Öcal Kaptan

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Work Experiences

University of Duisburg-Essen

Essen, Germany

RESEARCH ASSISTANT - WORKING STUDENT

May 2023 – Apr 2025

- Conducted econometric data analysis for 10+ ongoing research projects, improving model robustness and empirical insights
- Reviewed and optimized 180+ R scripts, increasing computational efficiency and analysis accuracy by up to 25%.
- Collaborated with a research team to develop and implement 3+ new econometric methods, enhancing the methodological toolkit used in projects.
- Performed quality assurance on the Econometrics with R e-book, proofreading 20+ chapters and correcting 1000+ typos/errors to improve clarity and reliability.
- Delivered 15+ training sessions and provided ongoing guidance to 30+ students on econometric modeling and R programming best practices

TELUS International AI Data Solutions

Essen, Germany

SOCIAL MEDIA DATA ANALYST - WORKING STUDENT

Nov 2021 – Nov 2022

- Moderated and reviewed 1,000+ social media posts weekly, ensuring full compliance with company guidelines and reducing policy violations by 30%
- Collaborated with cross-functional teams to develop and implement 4+ social media strategies, contributing to improved brand consistency and campaign effectiveness
- Monitored and analyzed key social media metrics across multiple platforms, driving a 20% increase in engagement and a 15% growth in reach through data-driven recommendations

Ranum Efterskole Denmark

Ranum, Denmark

TEACHER ASSISTANT - VOLUNTEER

Aug 2019 – Aug 2020

- Supported daily activities for 150+ international students, helping create an inclusive and engaging school environment
- Led or co-led 5–10 weekly extracurricular activities, increasing student engagement in social and cultural programs by 20%
- Helped organize school events and trips, coordinating logistics for groups of 50–200 students to ensure smooth and safe execution
- Facilitated cross-cultural integration activities, strengthening community bonds among students from 10+ different countries

Soft Skills

- Proactive, can-do mindset, taking ownership of complex analytical tasks in research and industry projects
- Strong collaboration skills, working closely with international, cross-functional teams in academia and education
- Clear communicator, experienced in explaining quantitative concepts and tools to students
- Change and improvement oriented, continuously optimizing workflows to increase efficiency and impact

Technical Skills

Programming Languages: R, Python, SQL, Tableau

Databases: MySQL, PostgreSQL

Tools & Technologies: Git, Docker, Microsoft Excel, JIRA, TensorFlow

Education

Technische Universität Dortmund

Dortmund

M.Sc. IN ECONOMETRICS / DATA SCIENCE

Oct 2021 – Oct 2024

Karadeniz Technical University

Trabzon, Türkiye

B.Sc. IN ECONOMETRICS

Oct 2011 – Jan 2015

Edremit Körfez Anadolu Gymnasium/ High School

Balıkesir, Türkiye

GYMNASIUM IN TURKISH-MATHEMATICS EQUAL WEIGHT

Oct 2006 – June 2010

Additional Informations

- English C1 | German B2 | Danish A2 | Turkish C2
- Permanent residency in Germany (unrestricted work permit)