

RAMIN AHADI

Data Scientist & Machine Learning

@ramin.ahadi1994@gmail.com +49 (0) 176-3267-9149 Bayernring 31, 12101
Berlin, Germany rahadi94.github.io ramin-ahadi94 rahadi94



PROFILE

A Ph.D. candidate in Information Systems at the University of Cologne (UoC), specializing in practical operations research and data science work-streams. I develop quantitative and data-driven decision-making solutions, leveraging deep learning, computer simulation, and data analytics. My domain expertise lie in transportation systems & smart cities. Beside applying cutting-edge analytical models to complex real-world optimization problems (with advanced Python proficiency), I teach machine learning theory and application at UoC.

EXPERIENCE

Ph.D. Researcher & Lecturer

University of Cologne (UoC)

- Oct 2019 – Ongoing Cologne, Germany
- Developing analytical solutions (using optimization, and machine learning) with a focus on energy and mobility systems.
 - Designing real-world discrete-event simulations using object-oriented programming, for mobility platforms, and electric vehicle (EV) charging stations.
 - Teaching and applying statistical and quantitative methods using advanced Python packages (such as TensorFlow and PyTorch), R Studio, and SQL.

Affiliated Researcher

Institute of Energy Economics at the University of Cologne (EWI)

- Oct 2019 – Oct 2022 Cologne, Germany
- Exploring synergies between energy and mobility sectors to optimize decision models and enhance the efficiency of renewable energy and EVs.

Tutor/Teacher

Creative Mind Educational Institute

- Mar 2014 – May 2018 Mashhad, Iran
- Teaching mathematics and physics in high schools and institutes.

EDUCATION

Ph.D. in Information Systems & Operations Research

University of Cologne & IE University Madrid

- Oct 2019 – Feb 2025 Cologne, Germany
- Thesis title: Operations research of smart cities (transportation systems) using advanced machine learning and simulation-optimization.

M.Sc. in Industrial Engineering & B.Sc. in Mechanical Engineering

Ferdowsi University of Mashhad

- Sept 2012 – Sept 2018 Mashhad, Iran

ACHIEVEMENTS

- Ph.D. Scholarship, Cologne Institute of Energy Economics (EWI), 2019
- Research Award at European Conference on Information Systems, 2022
- Research Visit (at IE University Madrid) Scholarship from UoC, 2024
- Publication at Leading Conferences and High-impact Journals (details in my website), 2019-2024

PROJECTS

- Data-driven decision models for ride-hailing platforms.
- Optimizing investment and operations of charging stations.
- Fleet management of shared electric vehicles (EVs).

SKILLS

- Hard-working
- Presentation
- Communication
- Team Work

Programming (mostly Python)

Machine Learning Algorithms

Data Analysis

Statistics & Econometrics

Cloud Computing

LANGUAGES

- English
- Persian
- German

HOBBIES

- Fitness & Running
- Cooking
- Reading