Füsun Recal

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Education

PhD in Industrial Engineering   2015 – 2022

Yıldız Technical University , Turkey

Thesis: Creating a Decision Support Framework from National

Occupational Accidents Data with Machine Learning Approach

Git source: https://github.com/frecal/doktora_tezi

M.Ed. in Evaluation and Measurement   2010 – 2011

Kent State University, U.S.A

M.Tech. in Technology Management   2009 – 2010

Kent State University, U.S.A

MSc. in Industrial Engineering   2007 – 2009

Bahcesehir University, Turkey

BSc. in Industrial Engineering   2001 – 2006

Full Scholarship

Isik University, Turkey

Academic Experience

Asst. Professor   10.2022 – Present

Department of Industrial Engineering, Isik University

- Operations Research
- Decision Support Systems
- Industrial Production Systems
- Enterprise Resource Planning
- Logistics Systems
- Ergonomics and Work Measurement

Part Time Teaching Position   09.2018 – 09.2022

Department of Industrial Engineering, Isik University

- Ergonomics and Work Measurement
- Industrial Production Systems
- Reliability Engineering
- Logistics Systems
- Occupational Safety and Health

Research Assistant   02.2008 – 08.2009

Vice President Office, Bahcesehir University

Assisted to Institutional Assessment and International Projects such as EUA Self

Evaluation study, Higher education Quality/Performance monitoring studies,

ERASMUS Life Long Learning and IP Projects

Teaching Assistant   02.2006 – 08.2008
Department of Industrial Engineering, Isik University
Assisted courses: System Simulation, Supply Chain Management, Engineering Economy

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Publications in International SCI

- Füsun Recal and Tufan Demirel (2021), "Comparison of Machine Learning Methods in Predicting Binary and Multi-class Occupational Accident Severity". Journal Of Intelligent & Fuzzy Systems, 40 (6): 10981-10998. DOI: 10.3233/jifs-202099

- Sukran Seker, Fusun Recal, Huseyin Basligil (2017), "A combined DEMATEL and grey system theory approach for analyzing occupational risks: A case study in Turkish shipbuilding industry". Human and Ecological Risk Assessment, 23:6, 1340-1372, DOI: 10.1080/10807039.2017.1308815

Other International Publications

- Data Study Group Team. (2023). Data Study Group Final Report: National Biodiversity Network Trust - Spatiotemporal analysis of priority species records across England (Versiyon 1). The Alan Turing Institute. https://doi.org/10.5281/zenodo.10063986

Presentations in Conferences

- Tunç Bozbura & Füsun Ersin, "TRIZ (Theory of Solving Inventive Problems) in Human Capital Management". TMT 2009, 13th International Research/Expert Conference on Trends in the Development of Machinery and Associated Technologies Conference, Hammamet, Tunisia

Posters

- Füsun Recal & Tufan Demirel, Analysis of Occupational Accidents Among Sales and Related Workers in Grocery Stores Between 2013-2017, 9th International Congress on Occupational Safety and Health, 2018.