

## Res. Asst. SERENAY ÇAKAR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-7924-2021

ScopusID: 57957021400

Yoksis Researcher ID: 316856

### Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, Turkey 2022 - Continues

### Dissertations

Postgraduate, LONGITUDINAL DATA ANALYSIS WITH STATISTICAL AND MACHINE LEARNING METHODS IN NEUROSCIENCE, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Statistics, 2022

### Research Areas

Statistical Analysis and Applications

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hybrid statistical and machine learning modeling of cognitive neuroscience data**  
Çakar S., Gökalp Yavuz F.  
Journal of Applied Statistics, vol.51, no.6, pp.1076-1097, 2024 (SCI-Expanded)
- II. **Nested and robust modeling techniques for fNIRS data with demographics and experiment related factors in n-back task**  
Çakar S., Gökalp Yavuz F.  
NEUROSCIENCE RESEARCH, vol.186, pp.59-72, 2023 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

### I. Deep Learning Applications in Mental Workload Classification

Çakar S., Gökalp Yavuz F.

26th International Conference on Computational Statistics, Giessen, Germany, 26 - 30 August 2024, pp.1

### II. Dependency Structure-Based Cognitive Data Analysis

ÇAKAR S., GÖKALP YAVUZ F.

5th International Conference on Data Science and Applications (ICONDATA'22), Fethiye, Turkey, 07 September 2022

## Supported Projects

GÖKALP YAVUZ F., ÇAKAR S., Project Supported by Higher Education Institutions, Makine Öğrenmesi ve İleri İstatistiksel Yöntemlerin Nörobilim Verilerinde Zihinsel İş Yükü Sınıflandırması İçin Uygulaması, 2023 - Continues

## Metrics

Publication: 4

Citation (WoS): 1

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

## Scholarships

Afetlerin Ekonomik Etkilerinin (Endeks Bazlı) Modellenmesi, Other Government Agencies, 2020 - 2022

## Awards

Çakar S., The best thesis in Master of Science for the 2022-2023 Academic Year, Middle East Technical University, October 2024