

Lect. PhD İDRİS DEMİRSOY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: HRE-1440-2023

ScopusID: 58156707100

Yoksis Researcher ID: 340446

Biography

In 2011, he was awarded with a scholarship from the Ministry of National Education. He completed his master's degree in statistics at the University of Missouri - Columbia in 2013. In 2017, he completed his master's degree in biostatistics at Florida State University (FSU), during his doctoral studies, he worked as a teaching assistant at FSU. In the summer of 2019, he worked as a biostatistics intern at Regeneron Pharmaceuticals, and in the summer of 2020, he worked as a bioinformatics intern at MyoKardia Pharmaceuticals. In 2020, he completed his doctoral studies in applied statistics. From September 2023 to November 2024, he worked as a postdoctoral researcher in the Department of Neurology at the University of California - Irvine.

His areas of study include Machine learning, Biostatistics, Migraine, Alzheimer's Disease, Spatial statistics, and Applied Statistics.

Education Information

Post Doctorate, University of California, Irvine, Medical School, Department of Neurology, United States Of America 2023 - 2024

Doctorate, Florida State University, College of Arts and Sciences, Department of Statistics, United States Of America 2015 - 2020

Postgraduate, Florida State University, Department Of Statistics, Biostatistics, United States Of America 2015 - 2017

Postgraduate, Missouri Üniversitesi-Columbia, Department of Statistics, Statistics, United States Of America 2013 - 2015

Undergraduate, Selcuk University, Fen Fakültesi, İstatistik Bölümü, Turkey 2006 - 2010

Certificates, Courses and Trainings

Data Analysis, SAS programming and Data Analysis, Florida State University, 2015

Dissertations

Doctorate, Estimating the intensity of point processes on linear networks, Florida State University {Florida}, 2020

Research Areas

Biostatistics and Medical Informatics

Academic Titles / Tasks

Lecturer PhD, Usak University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, Bilgisayar Mühendisliği Bölümü, 2021 - Continues

Researcher, University of California, Irvine, School of Medicine , Department of Neurology, 2023 - 2024

Lecturer, Florida State University, Art And Sciences, Statistics, 2018 - 2020

Academic and Administrative Experience

Alumni Office and Career Development Center , Usak University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, Bilgisayar Mühendisliği Bölümü, 2021 - 2023

Courses

Undergraduate

R Programlamaya Giriş, Undergraduate, 2022 - 2023

İstatistik ve Olasılık Bilgisi, Undergraduate, 2022 - 2023

Biyoistatistik, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Machine Learning Approach to Predict Cognitive Decline in Alzheimer Disease Clinical Trials.**
Nallapu B. T., Petersen K. K., Qian T., Demirsoy I., Ghanbarian E., Davatzikos C., Lipton R. B., Ezzati A.
Neurology, vol.104, no.8, 2025 (SCI-Expanded)
- II. **Clinical Manifestations**
Nallapu B. T., Petersen K. K., DEMİRSOY İ., Lipton R. B., Davatzikos C., Rabin L., Sajjadi S. A., Ezzati A.
Alzheimer's & dementia : the journal of the Alzheimer's Association, vol.20, 2024 (SCI-Expanded)
- III. **Basic Science and Pathogenesis**
DEMİRSOY İ., Petersen K. K., Nallapu B. T., Ghanbarian E., Lipton R. B., Rabin L., Ezzati A.
Alzheimer's & dementia : the journal of the Alzheimer's Association, vol.20, 2024 (SCI-Expanded)
- IV. **Clinical Manifestations**
Petersen K. K., Nallapu B. T., DEMİRSOY İ., Lipton R. B., Grober E., Rabin L., Ghanbarian E., Ezzati A.
Alzheimer's & dementia : the journal of the Alzheimer's Association, vol.20, 2024 (SCI-Expanded)
- V. **Identifying drug interactions using machine learning**
Demirsoy I., KARAİBRAHİMOĞLU A.
Advances in Clinical and Experimental Medicine, vol.32, no.8, pp.829-838, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Investigation of the Relationship Between Horizontal and Vertical Jumping vs Speed Performance in U-12 Soccer Players**
Kara M., DEMİRSOY İ.
Gaziantep Üniversitesi, vol.8, no.3, pp.298-308, 2023 (Peer-Reviewed Journal)

- II. **2022 DÜNYA KUPASI'NDA BAĞIL YAŞ ETKİSİNİN İNCELENMESİ**
Kara M., DEMİRSOY İ.
The Online Journal of Recreation and Sport, vol.12, no.2, pp.224-236, 2023 (Peer-Reviewed Journal)
- III. **Intensity estimation with log-linear Poisson model on linear networks**
Demirsoy I., Huffer F. W.
Communications for Statistical Applications and Methods, vol.30, no.1, pp.95-107, 2023 (ESCI)
- IV. **Testing Complete Spatial Randomness on Linear Networks: Leon County Traffic Accident Example**
DEMİRSOY İ.
Cumhuriyet Science Journal, vol.43, no.4, pp.769-776, 2022 (Peer-Reviewed Journal)

Books

- I. **Kukla Değişkenlerle Regresyon Analizi**
DEMİRSOY İ.
in: Doğrusal Regresyon Analizi ve Uygulamaları, Aşır Genç, Editor, NEU Yayınları (NEU Publications), pp.137-150, 2022
- II. **Sansürlü Modeller ve Uygulamaları**
DEMİRSOY İ.
in: Doğrusal Olasılık Modelleri ve Uygulamaları, Aşır Genç, Erkan Oktay, Editor, NEU Yayınları (NEU Publications), Konya, pp.213-232, 2022

Papers Published in Refereed Scientific Meetings

- I. **A weakly-supervised, MRI-guided clustering of cognitive decline: A post-hoc analysis of the EXPEDITION-3 clinical trial**
Nallapu B. T., Petersen K. K., DEMİRSOY İ., Lipton R. B., Davatzikos C., Rabin L., Sajjadi S. A., Ezzati A.
Alzheimer's Association International Conference, United States Of America, 29 July 2024
- II. **Patterns of healthcare utilization for migraine in the United States: Results from the all of us research program**
DEMİRSOY İ., Seng E. K., Ghanbarian E., Lipton R. B., Ezzati A.
American Headache Society 66th Annual Scientific Meeting, San Diego, United States Of America, 13 June 2024, vol.64, pp.3-232
- III. **Associations between Stages of Objective Memory Impairment (SOMI) and Tau Pathology in Cognitively Normal, Amyloid Positive Older Adults**
Petersen K. K., Ezzati A., Nallapu B. T., DEMİRSOY İ., Lipton R. B., Grober E., Grober E.
Tau 2024 Global Conference, Washington, Kiribati, 24 March 2024
- IV. **A Machine Learning Approach To Determine Optimal Togg Sale Price In The European Market**
DEMİRSOY İ.
INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH-VII, İstanbul, Turkey, 23 - 25 January 2024
- V. **Understanding Drug-Drug Interaction (DDI) with Machine Learning**
DEMİRSOY İ.
6th International Researchers, Statisticians and Young Statisticians Congress 2022, Antalya, Turkey, 03 November 2022

Peer Reviews in Scientific Publications

PLOS ONE, SCI Journal, January 2025

Metrics

Publication: 16

Citation (Scopus): 1

H-Index (Scopus): 1

Non Academic Experience

Business Organization (private), MyoKardia, Biyoinformatik, Pharmacovigilance Bioinformatics Intern
Regeneron Pharmaceuticals, Biostatistics Intern