

Asst. Prof. EZGİ NAZMAN

Personal Information

Email: ezgicabuk@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/ezgicabuk>

Address: Sivas Cumhuriyet Üniversitesi Fen Fakültesi İstatistik ve Bilgisayar Bilimleri
Bölümü Oda No:143



International Researcher IDs

ScholarID: dSEDtg

ORCID: 0000-0003-0189-3923

Yoksis Researcher ID: 102061

Education Information

Doctorate, Gazi University, Graduate School of Natural and Applied Sciences, Statistics,
Turkey 2015 - 2019

Postgraduate, Gazi University, Graduate School of Natural and Applied Sciences, Statistics,
Turkey 2013 - 2015

Undergraduate, University of Hradec Králové, Informatics and Management, Czech Republic
2011 - 2012

Undergraduate, Ege University, Faculty Of Science, İstatistik Bölümü, Turkey 2007 - 2012

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

IT, Bibliyometrik Yöntemlerle Araştırma Çıktılarının Değerlendirilmesi, Orta Doğu Teknik Üniversitesi, 2021

IT, Veri Bilimi Bootcamp, Istanbul Data Science Academy, 2020

IT, Big Data, Spark, Machine Learning, Istanbul Data Science Academy, 2020

Data Analysis, R ile Veri Madenciliği Yaz Okulu, İstanbul University, 2015

Dissertations

Doctorate, Comparison of Penalized Logistic Regression Methods in Rare Events, Gazi University, Graduate School of
Natural and Applied Sciences, Statistics, 2019

Postgraduate, Obtaining homogeneous groups with combined cluster and discriminant analysis, Gazi University,
Graduate School of Natural and Applied Sciences, Statistics, 2015

Research Areas

Statistics

Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri Bölümü, 2022 - Continues

Research Assistant PhD, Sivas Cumhuriyet University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri Bölümü, 2019 - 2022

Research Assistant, Gazi University, Fen Fakültesi, İstatistik Bölümü, 2014 - 2019

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri Bölümü, 2013 - 2014

Courses

Statistical Experimental Design, Undergraduate, 2020 - 2021

Programming Languages, Undergraduate, 2020 - 2021

Computer Organization, Undergraduate, 2020 - 2021

Algorithm Design, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigating socio-economic ranking of cities in Turkey using data envelopment analysis (DEA) and linear discriminant analysis (LDA)**
Unsal M. G., Nazman E.
ANNALS OF OPERATIONS RESEARCH, vol.294, pp.281-295, 2020 (SCI-Expanded)
- II. **Performance evaluation of some propensity score matching methods by using binary logistic regression model**
Olmus H., Bespinar E., Nazman E.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (SCI-Expanded)
- III. **Comparison of penalized logistic regression models for rare event case**
Olmus H., Nazman E., Erbas S.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Customer Churn Prediction in Telecommunication with Boosting Algorithms**
Nazman E.
European Journal of Managerial Research, vol.5, no.1, pp.12-21, 2021 (Peer-Reviewed Journal)
- II. **Inferences from Bootstrap Method for Ability Parameters in 2-Parameter Logistic Model**
Olmuş H., Nazman E.
Celal Bayar University Journal of Science, vol.16, no.3, pp.333-338, 2020 (Peer-Reviewed Journal)
- III. **Effects on mantel-haenszel chi-square statistic of scores in two-way contingency tables**
Nazman E., Olmuş H.
Bitlis Eren University Journal of Science, vol.9, no.3, pp.1060-1070, 2020 (Peer-Reviewed Journal)
- IV. **Comparison of greedy matching methods on cigarette usage of individuals in Turkey**
Nazman E., Olmuş H.
Cumhuriyet Science Journal, vol.41, no.2, pp.369-376, 2020 (Peer-Reviewed Journal)
- V. **Investigating Some Classification Methods to Evaluate Efficiency Results: A Case Study by Using Conjoint Analysis**
Nazman E., Olmus H., Erbas S.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, no.3, pp.687-694, 2019 (ESCI)
- VI. **Artiküler eminens ve glenoid fossa pnömatozasyonunun tanısında konik ışınlı bilgisayarlı tomografi**

ve dijital panoramik radyografi kullanımının değerlendirilmesi

ÇELİK B., ÜÇÖK C. Ö., NAZMAN E.

Selçuk Dental Journal, vol.6, no.4, pp.280-286, 2019 (Peer-Reviewed Journal)

VII. Investigating Potential Risk Factors Affecting on Suicidal Ideation Among Adolescents in Turkey

NAZMAN E., OLMUŞ H., ERBAŞ S.

Toplum ve Sosyal Hizmet, vol.29, no.2, pp.270-291, 2018 (Peer-Reviewed Journal)

VIII. Evaluation of Group Homogeneity in Gaussian Mixture Models Using Combined Cluster and Discriminant Analysis

NAZMAN E., ERBAŞ S.

Sinop Üniversitesi Fen Bilimleri Dergisi, vol.2, no.1, pp.121-132, 2017 (Peer-Reviewed Journal)

IX. An Evaluation of the Two Parameter (2-PL) IRT Models Through a Simulation Study

OLMUŞ H., Nazman E., Erbas S.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.1, pp.235-249, 2017 (ESCI)

Books & Book Chapters

I. Statistical Experimental Design with SPSS Applications for Researchers

Olmuş H., Erbaş S., Nazman E.

Gazi Kitabevi, Ankara, 2017

Refereed Congress / Symposium Publications in Proceedings

I. A Monte Carlo simulation study under multicollinearity and imbalance cases

Nazman E.

International Conferences on Empirical Economics and Social Sciences, Balıkesir, Turkey, 12 - 13 December 2020, pp.41-51

II. Customer Churn Prediction in Telecommunication with Boosting Algorithms

Nazman E.

International Communication, Economics & Organization Social Sciences Congress, Gorazhde, Bosnia And Herzegovina, 18 - 20 December 2020, pp.154

III. Yarhoğlu A. M., Gök Oğuz E., Kayhan S., Atılğan K. G., Nazman E., Şahin H., Aylı M. D.

4. Hipertansiyon Nefroloji Diyaliz ve Transplantasyon Kongresi, Ankara, Turkey, 18 - 20 December 2020, pp.67

IV. A study on penalized logistic regression methods in the case of unbalanced data and multicollinearity

Olmuş H., Nazman E.

2. Ulusal Başkent Disiplinler Arası Bilimsel Çalışmalar Kongresi, Ankara, Turkey, 08 November 2020, pp.34

V. A case study on machine learning classification algorithms in R

Aydın O., Nazman E.

satRday Gdansk, Gdansk, Poland, 17 - 18 May 2019, pp.16

VI. Inferences of Firth LR, FLIC and FLAC in terms of bias in rare event case

Olmuş H., Nazman E., Erbaş S.

International Conference on Advances in Statistics, Athens, Greece, 22 - 24 April 2019, pp.26

VII. Penalized Logistic Regression for Classification: A Case Study for non-OECD Countries

Nazman E., Erbaş S., Olmuş H.

11th International Statistics Day Conference, Muğla, Turkey, 3 - 07 October 2018, pp.220

VIII. Power analysis of Mantel-Haenszel Chi-Square statistic by using several scores for ordered contingency tables

Olmuş H., Nazman E., Erbaş S.

4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018,

pp.40

- IX. **Comparison of link functions in binary response model by using Firth's penalized maximum likelihood estimation method**
Nazman E., Erbaş S., Olmuş H.
4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018, pp.95
- X. **A Comparison on the Ranking of Decision Making Units of Data Envelopment and Linear Discriminant Analysis**
Şener H., Erbaş S., Nazman E.
10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.192
- XI. **Investigating of Ability Parameter Estimation Using Bootstrap Method for 2-parameter Logistic Model**
Olmuş H., Nazman E., Erbaş S.
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.259
- XII. **Determining Efficiencies of Different Product Concepts Using Conjoint Analysis(CA) and Data Envelopment Analysis(DEA)**
Nazman E., Erbaş S., Olmuş H.
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.217
- XIII. **Determining Homogeneity of Provinces According to the Health Facilities in Turkey**
Çabuk E., Erbaş S.
The 8th Conference of Eastern Mediterranean Region of the International Biometric Society, Nevşehir, Turkey, 11 - 15 May 2015, pp.52
- XIV. **The Comparison of Classification Performance of Proportional Odds Model, Decision Tree and Artificial Neural Network Methods for Continuous Independent Variables**
Dağhoğlu H., Erbaş S., Nazman E.
15th International Symposium on Econometrics, Operations research and Statistics, Isparta, Turkey, 22 - 25 August 2014, pp.535-551

Memberships / Tasks in Scientific Organizations

International Biometric Society, Member, 2014 - 2020, United States Of America
American Statistics Association, Member, 2017 - 2019

Scientific Refereeing

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, December 2021
İstatistik. Türk İstatistik Derneği Dergisi, National Scientific Refreed Journal, November 2020
İstatistik. Türk İstatistik Derneği Dergisi, National Scientific Refreed Journal, September 2020
ANATOLIAN JOURNAL OF CARDIOLOGY, Journal Indexed in SCI-E, January 2020
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, December 2019
R Web Scraping Quick Start Guide/Packt Publishing, Scientific / Professional Book Published by Renowned Publishing Houses, September 2018
Journal of Mathematics and Statistics, Other Indexed Journal, December 2017
American Journal of Applied Sciences, Other Indexed Journal, May 2017

Tasks In Event Organizations

Nazman E., 2nd International World Women Conference, Scientific Congress, Turkey, Şubat 2022

Nazman E., International World Women Conference, Scientific Congress, Ankara, Turkey, Mart 2020

Metrics

Publication: 27

Citation (WoS): 11

Citation (Scopus): 15

H-Index (WoS): 1

H-Index (Scopus): 3

Awards

Ünsal M. G., Nazman E., TÜBİTAK Publication Incentive Award, Tübitak, December 2020