

Ezgi Nazman, Ph.D

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Focused Research Assistant currently pursuing degree in Statistics and formal education and advanced research experience in multivariate statistics and machine learning. Adept at conducting interviews, literature reviews and data synthesis and analysis. Well-versed creating efficient systems to organize and manage experimental and real data processes.

Skills

Machine Learning
Data Mining
Multivariate Statistics
Literature reviews
Data collection and analysis
Research reporting
Questionnaire development
Research and analysis
Database searches
Research design



Work History

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| 2019-12 - Current | Research Assistant <i>Cumhuriyet University, Sivas, Turkey</i> |
| 2017-02 - 2019-12 | Research Assistant <i>Gazi University, Ankara, Turkey</i> |
| 2016-10 - 2017-01 | Research Assistant <i>Cumhuriyet University, Sivas, Turkey</i> |
| 2014-02 - 2016-09 | Research Assistant <i>Gazi University, Ankara, Turkey</i> |
| 2013-02 - 2014-02 | Research Assistant <i>Cumhuriyet University, Sivas, Turkey</i> |

Education

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|--------------------------|---|
| 2015-09 - 2019-11 | Ph.D.: Statistics <i>Gazi University - Ankara</i> |
| 2007-09 - 2012-07 | Bachelor of Science: Statistics <i>Ege University - Izmir</i> |
| 2013-09 - 2015-07 | Master of Science: Statistics <i>Gazi University - Ankara</i> |

A. ARTICLES

- A1.** Olmus H., Bespinar E., **Nazman E.** Performance evaluation of some propensity score matching methods by using binary logistic regression.model. Communications in Statistics-Simulation and Computation, 2019.
- A2.** Olmus H., **Nazman E.**, Erbas S. Comparison of penalized logistic regression models for rare event case. Communications in Statistics-Simulation and Computation, 2019.
- A3.** Ünsal M. G. & **Nazman E.** Investigating socio-economic ranking of cities in Turkey using data envelopment analysis (DEA) and linear discriminant analysis (LDA). Annals of Operations Research, vol.0, pp.1-15, 2018.
- A4.** **Nazman E.**, Olmus H., Erbas S. Investigating Some Classification Methods to Evaluate Efficiency Results: A Case Study by Using Conjoint Analysis. Journal of Polytechnic, vol.22, pp.687-694, 2019.
- A5.** Çelik B., Üçok C. Ö. , **Nazman E.** Evaluation of the use of cone beam computed tomography and digital panoramic radiography in the diagnosis of articular eminence and glenoid fossa pneumatization. Selçuk Dental Journal, vol.6, pp.280-286, 2019.
- A6.** **Nazman E.**, Olmus H., Erbas S. Investigating Potential Risk Factors Affecting on Suicidal Ideation Among Adolescents in Turkey. Society and Social Work, vol.29, pp.270-291, 2018.
- A7.** Olmuş H., **Nazman E.**, Erbaş S. An Evaluation of the Two Parameter (2-PL) IRT Models Through a Simulation Study. Gazi Journal of Science, vol.30, pp.235-249, 2017.
- A8.** **Nazman E.** & Erbaş S. Evaluation of Group Homogeneity in Gaussian Mixture Models Using Combined Cluster and Discriminant Analysis. Sinop University Journal of Natural Sciences, vol.2, pp.121-132, 2017.

B. ORAL PRESENTATIONS

- B1.** Aydın O., **Nazman E.** A case study on machine learning classification algorithms in R. satRday Gdansk, Gdansk, Poland, 17 - 18 May 2019, pp.16
- B2.** Olmuş H., **Nazman E.**, Erbaş S. Inferences of Firth LR, FLIC and FLAC in terms of bias in rare event case. International Conference on Advances in Statistics, Athens, Greece, 22 - 24 April 2019, pp.26
- B3.** **Nazman E.**, Erbaş S., Olmuş H. Penalized Logistic Regression for Classification: A Case Study for non-OECD Countries. 11th International Statistics Day Conference, Muğla, Turkey, 3 - 07 October 2018, pp.220
- B4.** Olmuş H., **Nazman E.**, Erbaş S. Power analysis of Mantel-Haenszel Chi-Square statistic by using several scores for ordered contingency tables. 4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018, pp.40
- B5.** **Nazman E.**, Erbaş S., Olmuş H. Comparison of link functions in binary response model by using Firth's penalized maximum likelihood estimation method. 4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018, pp.95
- B6.** Şener H., Erbaş S., **Nazman E.** A Comparison on the Ranking of Decision Making Units of Data Envelopment and Linear Discriminant Analysis. 10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.192
- B7.** **Nazman E.**, Erbaş S., Olmuş H. Determining Efficiencies of Different Product Concepts Using Conjoint Analysis(CA) and Data Envelopment Analysis(DEA). 3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.217
- B8.** Olmuş H., **Nazman E.**, Erbaş S. Investigating of Ability Parameter Estimation Using Bootstrap Method for 2-Parameter Logistic Model. 3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.259
- B9.** **Çabuk E.**, Erbaş S. Determining Homogeneity of Provinces According to the Health Facilities in Turkey. The 8th Conference of Eastern Mediterranean Region of the International Biometric Society, Nevşehir, Turkey, 11 -15 May 2015, pp.52
- B10.** Dağlıoğlu H., Erbaş S., **Çabuk E.** The Comparison of Classification Performance of Proportional Odds Model, Decision Tree and Artificial Neural Network Methods for Continuous Independent Variables. 15th International Symposium on Econometrics, Operations research and Statistics, Isparta, Turkey, 22 – 25 August 2014, pp.535-551.

C. BOOKS

- C1.** Olmuş H., Erbaş S., **Nazman E.** Statistical Experimental Design with SPSS Applications for Researchers. Gazi Publishing, Ankara, 2017.

D. REFEREEING

- D1. Anatolian Journal of Cardiology, January 2020
- D2. Bitlis Eren University Journal of Natural Sciences, December 2019
- D3. Packt Publishing, 2018
- D4. Journal of Mathematics and Statistics, December 2017
- D5. American Journal of Applied Sciences, May 2017

E. GIVEN COURSES

- E1. Algorithm Design, Sivas Cumhuriyet University, Department of Statistics&Computer Sciences

F. OTHERS

- F1. 6th International Researchers, Statisticians, and Young Statisticians Congress, Organizing Committee Member
University of Kyrenia, 23-26th of June, 2021
- F2. İstanbul Data Science Academy, Data Science Summer Bootcamp, May 2020-Current
- F3. World Women Conference, Scientific Advisory Committee Member, Ankara, Turkey, 7-8th of March, 2020

Certifications

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| 2020-05 | Big Data, Spark, Machine Learning |
| 2015-09 | Data Mining with R Summer School |

Software

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| R | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Python | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Matlab | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SQL | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Latex | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SPSS | <div><div></div><div></div><div></div><div></div><div></div></div> |