Dr. Ezgi Nazman

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Github   : https://github.com/ezgicn

Well-experienced researcher in multivariate statistics and machine learning.
Adept at conducting literature reviews, simulations, data synthesis, and analysis.
Well-versed creating efficient systems to organize and manage experimental and real data processes.

Study Areas

Data mining	●●●●●
Multivariate statistics	●●●●●
Machine learning	●●●●●
Data envelopment	●●●●○
Experimental design	●●●●●
Statistics	●●●●●

Software and Programming Skills

R	●●●●○
Python	●●●●○
Matlab	●●●●○
SQL	●●●●○
SPSS	●●●●●

Education

09/2007 - 07/2012	**Bachelor:** Statistics, Ege University, Izmir, Turkey
09/2011 - 06/2012	**Erasmus+:** Informatics and Management, University of Hradec Králové, Hradec Králové, Czechia
09/2013 - 07/2015	**MSc:** Statistics**,** Gazi University, Ankara, Turkey
09/2015 - 11/2019	**Ph.D:** Statistics, Gazi University, Ankara,Turkey

Work History

02/2013 - 02/2014	Research Assistant**,** Sivas Cumhuriyet University, Sivas, Turkey
02/2014 - 12/2019	Research Assistant, Gazi University, Ankara, Turkey
12/2019 - Present	Research Assistant (Ph.D.)**,** Sivas Cumhuriyet University, Sivas, Turkey

Published Papers

1. **Nazman, E.** Customer Churn Prediction in Telecommunication with Boosting Algorithms. *EUropean Journal of Managerial Research*, 5(1):12-21, 2021.

2. 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*, 294:281–295, 2020.

3. **Nazman, E.** & Olmuş, H. Comparison greedy matching methods on cigarette usage of individuals in Turkey. *Cumhuriyet Science Journal*,41(2), 369-376, 2020.

4. Olmuş, H., Beşpınar, E. & **Nazman, E.** Performance evaluation of some propensity score matching methods by using binary logistic regression model. *Communications in Statistics-Simulation and Computation*, 2019. https://doi.org/10.1080/03610918.2019.1679181.

5. Olmuş, H., **Nazman, E.** & Erbaş, H. Comparison of penalized logistic regression models for rare event case. *Communications in Statistics - Simulation and Computation*, 2019. https://doi.org/10.1080/03610918.2019.1676438.

6. **Nazman, E.**, Olmuş, H. & Erbaş, S. Investigating some classification methods to evaluate efficiency results: A case study by using conjoint analysis. *Journal of Polytechnic*, 22, 687-694, 2019.

7. Olmuş, H., **Nazman, E.** & Erbaş, S. An Evaluation of the Two Parameter (2-PL) IRT Models Through a Simulation Study. *Gazi Journal of Science*, 30, 235-249, 2017.

Book

1. Olmuş, H., Erbaş, S. & **Nazman, E.** Statistical Experimental Design with SPSS Aplications for Researchers. Gazi Publishing, Ankara, 2017 (in Turkish).

Oral Presentations

1. **Nazman, E.** A Monte Carlo simulation study under multicollinearity and imbalance cases. International Conferences on Empirical Economics and Social Sciences, Balıkesir, Turkey, December 2020.

2. **Nazman, E.** Customer Churn Prediction in Telecommunication with Boosting Algorithms. International Communication, Economics & Organization Social Sciences Congress, Gorazhde, Bosna-Hersek, December 2020.

3. Aydın, O. & **Nazman, E.** A case study on machine learning classification algorithms in R. satRday Gdansk, Gdansk, Poland, May 2019.

4. 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, April 2019.

5. **Nazman, E.**, Olmuş, H. & Erbaş, S. Penalized logistic regression for classification: A case study for non-OECD countries. 11th International Statistics Day Conference, Muğla, Turkey, October 2018.

6. **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, April 2018.

7. Şener, E., 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, December 2017.

8. Nazman, E., Erbaş, S. & Olmuş, S. 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, May 2017.

9. Nazman, 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, May 2015.

Reviewer

1. ISTATISTIK. Journal of The Turkish Statistical Association, September 2020.

2. Anatolian Journal of Cardiology, January 2020.

3. Packt Publishing, September 2018.

4. Journal of Mathematics and Statistics, December 2017.

5. American Journal of Applied Sciences, May 2017.

Given Courses

1. Algorithm Design (2019-2020, Spring), Sivas Cumhuriyet University, Department of Statistics and Computer Sciences

2. Programming Languages (2020-2021, Autumn), Sivas Cumhuriyet University, Department of Statistics and Computer Sciences

3. Computer Organization (2020-2021, Autumn), Sivas Cumhuriyet University, Department of Statistics and Computer Sciences

4. Statistical Experimental Design (2020-2021, Spring), Sivas Cumhuriyet University, Department of Statistics and Computer Sciences

Other

1. Evaluation of Research Outcomes with Bibliometric Methods, METU CEC, March, 2021.

2. Istanbul Data Science Academy, Data Science Bootcamp, Turkey, June-November 2020.

3. Big Data, Spark, Machine Learning, Istanbul Data Science Academy, Turkey, May 2020.

5. Data Mining with R Summer School, Istanbul University & TOVAK, September, 2015.

6. Workshop on Global Optimization, Izmir Economy Universtiy, Izmir, Turkey, July, 2011.

7. 8th International Statistics Student Colloquium, Dokuz Eylül University, Izmir, Turkey, May, 2011.

Hobbies: Travelling and trekking