



# EZGI NAZMAN

## EDUCATION

### PhD

(Turkey, 2015-2019)

Gazi University, Graduate School of Natural and Applied Sciences, Statistics

### Master

(Turkey, 2013-2015)

Gazi University, Graduate School of Natural and Applied Sciences, Statistics

### Under Graduate/Erasmus

(Czech Republic 2011 - 2012)

University of Hradec Králové, Informatics & Management

### Under Graduate

(Turkey 2007 - 2012)

Ege University, Faculty of Science, Statistics

## WORK EXPERIENCE

(Turkey 2019 - till)

### Sivas Cumhuriyet University

(PhD) Research Assistant, Statistics

(Turkey 2014 - 2019)

### Gazi University

Research Assistant, Statistics

(Turkey 2013 - 2014)

### Sivas Cumhuriyet University

Research Assistant, Statistics

## CERTIFICATES

(2015)

### Data Mining with R, Summer School

İstanbul University & TOVAK

(2011)

### 8th International Statistics Student Colloquium

Dokuz Eylül University

(2011)

### Workshop on Global Optimization

Izmir University of Economics

## DISSERTATIONS

(2019)

### PhD; Gazi University

Comparison of Penalized Logistic Regression Methods in Rare Events.

(2015)

### Master; Gazi University

Obtaining Homogeneous Groups with Combined Cluster and Discriminant Analysis

## SCIENTIFIC ARTICLES

Olmuş 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.

Olmuş H., Nazman E., Erbaş S. Comparison of penalized logistic regression models for rare event case. Communications in Statistics-Simulation and Computation, 2019.

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.

Nazman E., Olmuş H., Erbaş 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.

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.

Nazman E., Olmuş H., Erbaş S. Investigating Potential Risk Factors Affecting on Suicidal Ideation Among Adolescents in Turkey. Society and Social Work, vol.29, pp.270-291, 2018.

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.

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.

## PERSONAL INFORMATION

### OFFICE PHONE

+90 346 219 1010 Extension: 6032

### E-MAIL

cabukezgi@gmail.com

### ADDRESS

Sivas Cumhuriyet University Faculty of Science Department of Statistics and Computer Sciences Office:143

## COMPUTER SKILLS

R



MATLAB



PYTHON



SQL



SPSS



## LANGUAGES

ENGLISH



DEUTSCH



## PERSONAL INTEREST

MULTIVARIATE STATISTICS

DATA MINING

MACHINE LEARNING

DATA ENVELOPMENT

PROGRAMMING LANGUAGES

SCIENTIFIC ORGANIZATION  
MEMBERSHIP

- International Biometric Society, Member (2014-till)
- American Statistics Association, Member, (2017 – 2019)
- RLadies/Ankara, Member, (2019 - Continuous)

SCIENTIFIC REFEREING

- Anatolian Journal of Cardiology, January 2020
- Bitlis Eren University Journal of Natural Sciences, December 2019
- R Web Scraping Quick Start Guide, Packt Publishing, September 2018
- Journal of Mathematics and Statistics, December 2017
- American Journal of Applied Sciences, May 2017

SCIENTIFIC ORGANIZATION  
COMMITTEE MEMBERSHIP

- World Women Conference, Scientific Congress, Ankara, Turkey, Mart 2020 - Mart 2020
- 6th International Researchers, Statisticians and Young Statisticians Congress, Scientific Congress, Girne, Cyprus (Kktc), Haziran 2020 - Haziran 2020

ORAL PRESENTATIONS IN CONGRESS

- Aydın O., Nazman E. A case study on machine learning classification algorithms in R. satRday Gdansk, Gdansk, Poland, 17 - 18 May 2019, pp.16
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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

BOOKS

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