

FATİH KIZILASLAN

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Marmara University, Department of Statistics
Göztepe Campus, Kadıköy, İstanbul, Turkey

EDUCATION

Gebze Technical University Ph.D., Mathematics Dissertation: Statistical inference for some distributions based on record values Supervisor: Mustafa Nadar, Coşkun Yakar	Kocaeli, Turkey 2015
Gebze Institute of Technology M.Sc., Mathematics Thesis: Local time for extended stochastic integral process Supervisor: Mustafa Nadar	Kocaeli, Turkey 2009
Gebze Institute of Technology B.Sc., Mathematics	Kocaeli, Turkey 2007

ACADEMIC EXPERIENCE

Marmara University Associate Professor, Department of Statistics	Istanbul, Turkey September 2019-Present
McMaster University Visiting Assistant Professor, Department of Mathematics and Statistics	Hamilton, ON, Canada July 2018- December 2018
Marmara University Assistant Professor, Department of Statistics	Istanbul, Turkey February 2016- September 2019
Gebze Technical University/ Gebze Institute of Technology Research Assistant, Department of Mathematics	Kocaeli, Turkey November 2007 - May 2015

RESEARCH AND TEACHING INTERESTS

Mathematical statistics
Statistical inference
Reliability theory and analysis

ADMINISTRATIVE EXPERIENCE

Marmara University, Department of Statistics Vice Head of Department	İstanbul, Turkey 2018-Present
Marmara University, Department of Statistics Supervisor of undergraduate statistical club	İstanbul, Turkey 2018-Present
International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat 2016) Member of the organizing committee	Istanbul, Turkey August 2016

RELATED PROFESSIONAL EXPERIENCE

Yeditepe University, Department of Mathematics Co-supervisor of the two PhD students 1. Gülce Cüran 2. Duygu Demiray	İstanbul, Turkey 2017- Present
Çukurova University, Department of Statistics Member of the PhD thesis defense committee	Adana, Turkey November 2019
Istanbul Technical University, Department of Mathematical Engineering Member of the MSc thesis defense committee	İstanbul, Turkey May 2018
Istanbul Technical University, Department of Mathematical Engineering Member of the MSc thesis defense committee	İstanbul, Turkey July 2017

AWARDS AND SCHOLARSHIPS

Gebze Institute of Technology Graduated with the third highest GPA of Department of Mathematics	Kocaeli, Turkey 2007
TUBITAK (The Scientific and Technological Research Council of Turkey) Graduate Scholarship	Turkey 2008-2015
TUBITAK 2219 Postdoctoral Research Scholarship	Turkey 2018

PUBLICATIONS

Demiray D., Kızılaslan F., “Stress-strength reliability estimation of a consecutive k-out-of-n system based on proportional hazard rate family”, Submitted, 2020.

- Cüran G., **Kızılaslan F.**, “Statistical inference of the stress-strength reliability and mean remaining strength of series system with cold standby redundancy at system and component levels”, Submitted, 2020.
- Cüran G., **Kızılaslan F.**, “Estimation of stress-strength reliability of parallel system with cold standby redundancy at component level”, Submitted, 2020.
- Kızılaslan F.**, “Stochastic comparisons of series and parallel systems with independent heterogeneous Gumbel and truncated Gumbel components”, *International Journal of Quality & Reliability Management*, Accepted, 2020.
- Tripathi Y. M., Mahto A. K., **Kızılaslan F.**, “Estimation of Reliability in a Multicomponent Stress–Strength Model for a General Class of Inverted Exponentiated Distributions Under Progressive Censoring”, *Journal of Statistical Theory and Practice*, 14, 2020.
- Kızılaslan F.**, “E-Bayesian estimation for the proportional hazard rate model based on record values”, *Communication in Statistics: Simulation and Computation*, 48, 350-371, 2019.
- Kızılaslan F.**, “The mean remaining strength of parallel systems in a stress-strength model based on exponential distribution”, *Communications Faculty Of Science University of Ankara Series A1 Mathematics and Statistics*, 68, 1435-1451, 2019.
- Kızılaslan F.**, “Stress-Strength Reliability Estimation for the Type I Extreme-Value Distribution Based on Records”, *International Journal of Advances in Engineering and Pure Sciences*, 31, 214-222, 2019.
- Kızılaslan F.**, “Classical and Bayesian estimation of reliability in a multicomponent stress-strength model based on a general class of inverse exponentiated distributions”, *Statistical Papers*, 59, 1161-1192, 2018.
- Kızılaslan F.**, Nadar M., “Estimation of reliability in a multicomponent stress-strength model based on a bivariate Kumaraswamy distribution”, *Statistical Papers*, 59, 307-340, 2018.
- Kızılaslan F.**, “Some reliability characteristics and stochastic ordering of series and parallel systems of bivariate generalized exponential distribution”, *Journal of Statistical Computation and Simulation*, 88, 553-574, 2018.
- Kızılaslan F.**, Nadar M., “Statistical inference of $P(X < Y)$ for the Burr Type XII distribution based on records”, *Hacettepe Journal of Mathematics and Statistics*, 46, 713-742, 2017.
- Kızılaslan F.**, “Classical and Bayesian estimation of reliability in a multicomponent stress-strength model based on the proportional reversed hazard rate mode”, *Mathematics and Computers in Simulation*, 136, 36-62, 2017.
- Kızılaslan F.**, “The E-Bayesian and hierarchical Bayesian estimations for the proportional reversed hazard rate model based on record values”, *Journal of Statistical Computation and Simulation*, 87, 2253-2273, 2017.
- Kızılaslan F.**, “Comparing the Fisher information matrix in record values and random observations for the general class of exponentiated distributions”, *Journal of Statistical Theory and Applications*, 16, 589-604, 2017.
- Nadar M., **Kızılaslan F.**, “Estimation of Reliability in a Multicomponent Stress-Strength Model Based on a Marshall-Olkin Bivariate Weibull Distribution”, *IEEE Transactions on Reliability*, 65, 370-380, 2016.
- Kızılaslan F.**, Nadar M., “Estimation and prediction of the Kumaraswamy distribution based on record values and inter-record times”, *Journal of Statistical Computation and Simulation*, 86, 2471-2493, 2016.

Nadar M., **Kızılaslan F.**, “Estimation and prediction of the Burr type XII distribution based on record values and inter-record times”, *Journal of Statistical Computation and Simulation*, 85, 3297-3321, 2015.

Kızılaslan F., Nadar M., “Estimation with the generalized exponential distribution based on record values and inter-record times”, *Journal of Statistical Computation and Simulation*, 85, 978-999, 2015.

Nadar M., **Kızılaslan F.**, “Classical and Bayesian Estimation of Reliability in Multicomponent Stress Strength Model Based on Weibull Distribution”, *Revista Colombiana de Estadística*, 38, 467-484, 2015.

Nadar M., **Kızılaslan F.**, “Classical and Bayesian estimation of $P(X < Y)$ using upper record values from Kumaraswamy's distribution”, *Statistical Papers*, 55, 751-783, 2014.

Nadar M., **Kızılaslan F.**, Papadopoulos A., “Classical and Bayesian estimation of $P(Y < X)$ for Kumaraswamy's distribution”, *Journal of Statistical Computation and Simulation*, 84, 1505-1529, 2014.

Kızılaslan F., Nadar M., “Estimations for proportional reversed hazard rate model distributions based on upper record values and inter record times”, *Journal of the Turkish Statistical Association*, 7, 55-62, 2014.

Nadar M., Papadopoulos A., **Kızılaslan F.**, “Statistical analysis for Kumaraswamy's distribution based on record data”, *Statistical Papers*, 54, 355-369, 2013.

Kızılaslan F., Nadar M., “Classical and Bayesian Analysis for The Generalized Exponential Distribution Based on Record Values and Times”, *Anadolu University Journal of Science and Technology-B, Theoretical Sciences*, 2, 111-120, 2013.

CONFERENCE PROCEEDINGS

Kızılaslan F., Nadar M., “Bayesian and Non-Bayesian analysis for the Burr Type XII distribution based on record values and inter-record times”, The 7th International Days of Statistics and Economics, 19-21 September 2013, Prague- Czech Republic.

Nadar M., **Kızılaslan F.**, “Local time for the extended stochastic integral processes”, XVI. National Mechanic Congress, 22-26 June 2009, Kayseri, Turkey.

CONFERENCE PRESENTATIONS

Cüran G., **Kızılaslan F.**, “Stress-strength reliability estimation of series system with cold standby redundancy at system and component levels”, Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics (y-BIS 2019, 25 - 28 September 2019), İstanbul, Turkey.

Demiray D., **Kızılaslan F.**, “Statistical Inference of Consecutive k-out-of-n System in Stress-Strength Setup Based on Proportional Hazard Rate Family”, Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics (y-BIS 2019, 25 - 28 September 2019), İstanbul, Turkey.

Demiray D., **Kızılaslan F.** “Estimation of reliability for consecutive k-out-of-n system in stress-strength setup based on proportional hazard rate family”, 11. International Statistics Days Conference (ISDC 2018), 3-7 October 2018, Muğla, Turkey.

Kızılaslan F., “Stochastic comparisons of series and parallel systems with Gumbel distributed components”, 13th International Conference on Ordered Statistical Data (OSD 2018), 22-25 May 2018, Cadiz, Spain.

Kızılaslan F., “Some reliability characteristics of bivariate generalized exponential distribution”, 10th International conference on Mathematical Methods in Reliability (MMR 2017), 3-6 July 2017, Grenoble, France.

Kızılaslan F., “Estimation of the mean remaining strength of parallel systems in a stress-strength model based on exponential distribution”, 3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYC-2017), 24-26 May, 2017, Konya-Turkey.

Kızılaslan F., “Classical and Bayesian Estimation of Reliability in a Multicomponent Stress-Strength Model based on the Proportional Reversed Hazard Rate Model”, Xth International Statistics Days Conference – ISDC’2016 (İGS 2016), 07-09 October, 2016, Giresun-Turkey.

Kızılaslan F., “Reliability properties of systems with Marshall-Olkin bivariate Weibull distribution”, The International Conference on Trends and Perspectives in Linear Statistical Inference (Linstat2016), 22-25 August, 2016, Istanbul, Turkey.

Kızılaslan F., “Multicomponent stress-strength reliability for a multivariate Weibull distribution”, 10th Tartu Conference on Multivariate Statistics, 28 June-1 July 2016, Tartu, Estonia.

Nadar M., **Kızılaslan F.**, “Estimation of reliability in a multicomponent stress-strength model based on bivariate generalized exponential distribution”, 9th International Statistics Congress, 28 October- 1 November 2015, Antalya, Turkey.

Nadar M., **Kızılaslan F.**, “Estimation of reliability in multicomponent stress-strength model based on Marshall-Olkin Weibull distribution”, International Congress in Honour of Prof. Ravi P. Agarwal, Uludag University, 23-26 June 2014, Bursa, Turkey.

Kızılaslan F., Nadar M., “Estimations for proportional reversed hazard rate model distributions based on upper record values and inter-record times”, 9th International Statistics Day Symposium, 10-14 May 2014, Antalya, Turkey.

Kızılaslan F., Nadar M., “Classical and Bayesian analysis for the generalized exponential distribution based on record values and times”, 8th International Symposium of Statistics, October 11-13, 2012, Eskisehir, Turkey.

Nadar M., **Kızılaslan F.**, Papadopoulos A., “Classical and Bayesian estimation of $P(Y < X)$ for Kumaraswamy's distribution”, International Conference on Applied Analysis and Algebra, Yıldız Technical University, 29-30 June, 1-2 July 2011, Istanbul, Turkey.

Kızılaslan F., Nadar M., Papadopoulos A., “Classical and Bayesian estimation of $P(X < Y)$ using upper record values from Kumaraswamy's distribution”, Yeditepe International Research Conference on Bayesian Learning, June 15-17, 2011, Istanbul, Turkey.

Kızılaslan F., “Bayesian and Non-Bayesian estimation of Kumaraswamy distribution”, 7th International Statistics Congress, 28 April- 01 May 2011, Antalya, Turkey.

COURSES GIVEN

@ Marmara University

Fall 2020

MAT1033 Mathematics I	5 hours/week, 164 students
MAT2017 Advanced Calculus I	4 hours/week, 143 students
IST3011 Regression Analysis	4 hours/week, 70 students
IST7021 Mathematical Statistics I	3 hours/week, 14 students

Summer 2020

MAT1034 Mathematics II	10 hours/week, 28 students
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Spring 2020

MAT1034 Mathematics II	5 hours/week, 197 students
MAT2018 Advanced Calculus II	4 hours/week, 71 students
IST2084 Biostatistics	2 hours/week, 98 students
IST3002 Experimental Design	4 hours/week, 37 students
IST4022.4 Research Project	2 hours/week, 4 students
IST7020 Probability Theory	3 hours/week, 4 students
IST7021 Mathematical Statistics I	3 hours/week, 4 students

Fall 2019

MAT1033 Mathematics I	5 hours/week, 139 students
MAT2017 Advanced Calculus I	4 hours/week, 73 students
IST3011 Regression Analysis	4 hours/week, 41 students
IST7020 Probability Theory	3 hours/week, 4 students

Spring 2019

MAT1034 Mathematics II	5 hours/week, 144 students
MAT2018 Advanced Calculus II	4 hours/week, 42 students
IST2084 Biostatistics	2 hours/week, 77 students
IST412 Stochastic Processes	4 hours/week, 18 students

Spring 2018

MAT1034 Mathematics II	5 hours/week, 98 students
MAT1086.4 Mathematics II	5 hours/week, 103 students
MAT1086.5 Mathematics II	5 hours/week, 65 students

Fall 2017

MAT1033 Mathematics I	5 hours/week, 96 students
MAT1085.4 Mathematics I	5 hours/week, 90 students
MAT1085.5 Mathematics I	5 hours/week, 52 students

Spring 2017

MAT1034 Mathematics II	4 hours/week, 54 students
IST336 Game Theory	2 hours/week, 2 students
IST412 Stochastic Processes	4 hours/week, 2 students
IST7020 Probability Theory	3 hours/week, 2 students

Fall 2016

MAT1033 Mathematics I

4 hours/week, 58 students

Spring 2016

IST336 Game Theory

2 hours/week, 4 students

IST412 Stochastic Processes

4 hours/week, 8 students

@ Işık University**Spring 2019**

MATH 203 Multivariable Calculus and Differential Equations

5 hours/week, 4 students

@ National Defense University Naval Academy**Spring 2018**

Statistical Analysis for Logistic

3 hours/week, 2 students

Spring 2017

EN 221 Statistical Methods

4 hours/week, 12 students

COURSES ASSISTED

@ Gebze Institute of Technology

Assisted in student's office hours and grading of exams

MATH 308 Probability Theory (Spring 2008, Spring 2009, Spring 2010, Spring 2011)

MATH 401 Mathematical Statistics (Fall 2008, Summer 2008, Fall 2009, Fall 2010, Summer 2010, Fall 2011, Fall)

MATH 303 Real Analysis I (Fall 2009, Fall 2010, Fall 2011)

MATH 304 Real Analysis II (Spring 2009, Spring 2010, Spring 2011)

Assisted in weekly problem hours

MATH 102 Mathematics II (Spring 2008, Spring 2013)

SKILLS

Proficient in R Statistical software and MATLAB Matrix Laboratory

REFERENCES

Müjgan Tez, Ph.D.
Professor of Statistics
Department of Statistics
Marmara University

Mustafa Nadar, Ph. D.
Professor of Statistics
Department of Mathematical Engineering
Istanbul Technical University

Birsen Eygi Erdoğan, Ph. D.
Associate Professor of Statistics
Head of Department of Statistics
Marmara University

Mansur İsgenderoğlu, Ph. D.
Professor of Mathematics
Head of Department of Mathematics
Gebze Technical University