MURAT YAZICI, MSc

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PERSONAL

Turkish citizen, Single, Birth: 31.12.1985

EDUCATIONS

2024-	Ph.D., **Statistics**, Prague University of Economics and Business, Prague, Czech Republic
2020-2023	M.Sc., Applied Mathematics and Computer Science *focus on* **Mathematical Modeling and Information Technologies**, Diploma with Honors, Southern Federal University, Rostov-on-Don, Russia
2007-2011	M.Sc., **Quantitative Methods**, Marmara University, Istanbul, Turkey
2003-2007	B.Sc., **Statistics**, Mimar Sinan University, Istanbul, Turkey
1999-2003	High school, **Science and Mathematics**, Haydarpasa Anatolian High School, Istanbul, Turkey

AWARDS

2022	**Outstanding Student Award**, I. I. Vorovich Institute of Mathematics, Mechanics and Computer Science, Southern Federal University, Russia
2021	**Young Scientist Award**, International Scientist Award on Engineering, Science, and Medicine by VDGOOD Professional Association

MEMBERSHIPS

2021 -	Institute of Mathematical Statistics *(IMS)*

HONORABLE EDITOR

2021 -	Canadian Journal of Biomedical Research and Technology *(CJBRT),* Toronto, CANADA

EDITORIAL BOARD MEMBER

2021 –	World Journal of Engineering Research and Technology *(WJERT)*
2020 –	Biomedical Research Network, LLC, New York, USA

JOURNAL REVIEWER

Research in Medical & Engineering Sciences, New York, USA

Biostatistics and Biometrics Open Access Journal *(BBOAJ),* Ontario, CANADA

Open Science Journal of Statistics and Application, New York, USA

Mathematical and Statistical Sciences, New York, USA

International Journal of Computational and Data Sciences, New York, USA

International Journal of Computers & Technology *(IJCT),* INDIA

COMPUTER KNOWLEDGE

Python, VPython, R, Maple, LaTeX, HTML, MQL4,

Matlab, EViews, SPSS, ANSYS, Weka, Excel Macro

CERTIFICATIONS

IBM Certified Data Architect – Big Data - *IBM*

IBM Certified Specialist – SPSS Modeler Professional v3 –*IBM*

IBM Certified Specialist - SPSS Statistics Level 1 v2 - *IBM*

IBM i2 Analyst Notebook Support Professional v1 – *IBM*

WORK EXPERIENCES

2015 – 2016   **Senior Data Scientist & Big Data Architect**, *JForce Information Technologies Inc*., Istanbul, Turkey

2013 – 2014   **Data Scientist & Researcher in Big Data Analytics**, *Etiya Information Technologies Inc*., Istanbul, Turkey

2009 – 2009   **Intern, Department of IT**, *Koç Media - Zer Inc.,* Istanbul, Turkey

LIST OF PUBLICATIONS

THESES

1. Ph.D.:   **"Fuzzy cluster analysis methods based on categorical data"**, Supervisor: prof. Ing. Hana Řezanková, CSc.

2. M.Sc.:   **"Applications of machine learning in finance",** Supervisor: Professor Oleg Kudryavtsev, 2023.

3. M.Sc.:   **"Fuzzy robust regression with an application",** Supervisor: Professor Ismail Hakkı Armutlulu, 2011.

4. B.Sc.:   **"Bayesian statistical estimation",** Supervisor: Professor Aydin Erar, 2007.

BOOKS AND BOOK CHAPTERS

5. Yazici M., **Most Effective Users in Twitter Online Social Networks: The E-User Index with centrality measurement**. Lambert Academic Publishing, OmniScriptum GmbH & Co. KG, Bahnhofstrabe 28, 66111 Saarbrücken, Deutschland / Germany, ISBN: 978-3-330-06034-0, March 2017.

6. Yazici M., **Multivariate Analysis: Factor and Discriminant Analyses,** In: Kumar D. ed., Machine Learning Techniques for Improved Business Analytics, IGI Global, 2019. http://dx.doi.org/10.4018/978-1-5225-3534-8.ch003

7. Yazici M., **Regression Analysis including OLS, Robust and Fuzzy Methods**, In: Roy A. K. ed., Applied Big Data Analytics, CreateSpace Independent Publishing Platform, ISNB: 978-1512347180, May 2015.

INVITED TALKS

8. *Spatial point process and its application in geographical epidemiology*, **5th International Conference on Biometrics and Biostatistics**, October 2016, Houston, Texas/USA. https://www.hilarispublisher.com/conference-abstracts-files/2155-6180.C1.002_005.pdf

CONFERENCES

9. *Fuzzy estimators that are derived from the least square ratios in the regression modeling,* **The 18th International Days of Statistics and Economics**, September 5–6, 2024, Prague, Czech Republic.

10. *Comparing the behavior of the Least square ratios (LSRs) and the M-estimates in AR processes with AOs*

11. *Fuzzy Estimators using the least square ratios in the simple linear regression,* **International Conference on Computational Science and Mathematics (ICCSCM)**, Dec 2023, Dublin, Ireland.

12. *A Neural Network solution for the bankruptcy modeling*, **Modern information technologies: Trends and development prospects**, May 2022, Rostov-on-Don, Russia.

13. *The Weighted Least Squares Ratio (WLSR) Method to M-estimators*, **SAI Computing Conference**, July 2016, London, United Kingdom. https://doi.org/10.1109/SAI.2016.7556018

14. *The Least Squares Ratio (LSR) Approach to Fuzzy Linear Regression Analysis*, **International Conference for Engineering and Technology**, May 2016, Toronto, Canada.

15. *Social Network Analysis with E-User Index*, **11th International Statistics Student Colloquium**, Yıldız Technique University, May 2014, Istanbul, Turkey.

PEER-REVIEWED JOURNAL PAPERS

16. Yazici M., *Iterative Least Absolute Ratios (ILAR) Approach to Support Vector Regression for The Parameter Optimization*, (ongoing)

17. Yazici M., *Machine learning approaches on the bankruptcy modeling*. (in review)

18. Yazici M., *How does the Law of Large Number work on the coin tossing experiments?* (ongoing)

19. Yazici M., *The Least Square Ratio (LSR) Method: Mathematical Basis*, (ongoing)

20. Yazici M., *A neural network solution for the bankruptcy modeling*, **Modern information technologies: trends and development prospects** [Electronic resource]: Proceedings of the XXIX scientific conference (Southern Federal University, Rostov-on-Don), **Southern Federal University Press.** 2022. p. 288-289.

21. Yazici M., *Spatial point pattern analyses and its use in geographical epidemiology*, **Biostatistics and Biometrics Open Access Journal**, 2017;1(4): 555573. https://doi.org/10.19080/BBOAJ.2017.01.555573

22. Yazici M., *How Can We Obtain Meaningful Information From A Big Data Pool?,* **World Journal of Engineering Research and Technology,** Vol. 3, Issue 1, pp:16-21, 2017. https://www.wjert.org/home/article_abstract/131

23. Yazici M., *The Weighted Least Squares Ratio (WLSR) Method to M-estimators***, SAI Computing Conference**, July 2016, London, United Kingdom, p:434 - 445. https://doi.org/10.1109/SAI.2016.7556018

24. Yazici M., *A Least Squares Ratio (LSR) Approach to Fuzzy Linear Regression Analysis*, **Academic Journal of Science (AJS)**, 5 (1), 373-382, April 2016.

25. Yazici M., *A new approach called Weighted Least Squares Ratio (WLSR) Method to M- estimators*, **Journal of Information Sciences and Computing Technologies (JISCT),** Vol. 5 No.1, p: 399-414, ISSN: 2394-9066, November 17, 2015. http://scitecresearch.com/journals/index.php/jisct/article/view/466/342

26. Yazici M., *Text Mining and Information Management*, **International Journal of Scientific Engineering and Applied Science (IJSEAS)**, Vol.1, Issue-7, ISSN: 2395-3470, 2015. https://ijseas.com/volume1/v1i7/ijseas20150727.pdf

27. Yazici M., Sarac M., *Centrality measures with a new index called E-User (Effective User) Index for determining the most effective user in Twitter Online Social Network*, **International Journal on Computer Science and Engineering (IJCSE)**, Vol:7 (1), p:1-12, ISSN: 0975-3397, Jan 2015. https://api.semanticscholar.org/CorpusID:1500573

28. Armutlulu I. H., Yazici M., *Comparison of Fuzzy Robust Regression with Other Regression Techniques and an Application (In Turkish)***, Marmara University, Journal of Oneri**, Vol: 38 (10), p: 33- 51, ISSN: 1300-0845, July 2012. https://dergipark.org.tr/tr/download/article-file/165709