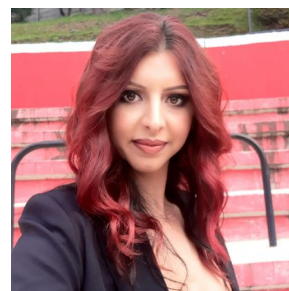


Marija (Dušan) Cuparić

Date of birth: March 27th 1992
Place of birth: Čačak, Serbia
Citizenship: Serbian
Phone: +381 64 4460015
E-mail: marija.cuparic@matf.bg.ac.rs
Homepage: www.matf.bg.ac.rs/p/-marija-radicevic



Research interests

nonparametric statistics, goodness-of-fit testing, independence testing, high-dimensional statistics, empirical processes, statistical methods for censored and other incomplete data

Education

- 2010–2014 **Bachelor's Degree**, *University of Belgrade – Faculty of Mathematics, Statistics, Actuarial and Financial Mathematics*.
GPA - 9.02/10.00
- 2014–2015 **Master's Degree**, *University of Belgrade – Faculty of Mathematics, Statistics, Actuarial and Financial Mathematics*.
GPA - 10.00/10.00 | Thesis title: *Risk analysis in life insurance*
- 2015–2021 **Ph.D Degree**, *University of Belgrade – Faculty of Mathematics, Mathematics*.
GPA - 10.00/10.00 | Thesis title: *Goodness-of-fit tests based on L^2 and L^∞ distances and their asymptotic efficiency* | Supervisor: Bojana Milošević, PhD

Employment history

- 2014–2016 **Teaching associate**, *University of Belgrade – Faculty of Mathematics*.
- 2016–2022 **Teaching assistant**, *University of Belgrade – Faculty of Mathematics*.
- 2022–present **Assistant professor**, *University of Belgrade – Faculty of Mathematics*.

Publications

- [M21] M. Cuparić, B. Milošević, and M. Obradović. New L^2 -type exponentiality tests. *SORT*, 43(1):25-50, 2019. ISSN: 1696-2281, **IF2017: 1.344**
- [M52] M. Cuparić. Approximate Bahadur efficiency of Henze-Meintanis exponentiality tests with comparison. *Matematički vesnik*, 71(1-2):169-179, 2019. ISSN: 0025-5165
- [M23] M. Cuparić, B. Milošević, Ya. Yu. Nikitin, and M. Obradović. Some consistent exponentiality tests based on Puri-Rubin and Desu characterizations. *Applications of Mathematics*, 65(3):245-255, 2020. ISSN 0862-7940, **IF2020: 0.881**
- [M21] M. Cuparić, B. Milošević. New characterization based exponentiality tests for randomly censored data. *TEST*, 31.2: 461-487, 2022 ISSN: 1133-0686, **IF2020: 2.345**
- [M21] M. Cuparić. Asymptotic properties of inverse probability of censored weighted U -empirical process for right-censored data with applications. *Statistics*, 55(5): 1035-1057, 2021. ISSN: 0233-1888, **IF2021: 2.346**

- [M21a+] M. Cuparić, B. Milošević, and M. Obradović. New consistent exponentiality tests based on V -empirical Laplace transforms with comparison of efficiencies. *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas*, 116(1): 1-26, 2022. ISSN: 1578-7303, **IF2022: 2.9**
- [M22] M. Cuparić, B. Milošević, and M. Obradović. Asymptotic distribution of certain degenerate V -and U -statistics with estimated parameters. *Mathematical Communications*, 27(1):77-100, 2022. ISSN: 1331-0623, **IF(2020): 1.075**
- [M21] D. Aleksić, M. Cuparić, B. Milošević. Non-degenerate U -statistics for data missing completely at random with application to testing independence. *Stat*, 12(1), 2023. ISSN: 2049-1573, **IF2021: 2.451**
- [M22] M. Cuparić, B. Milošević. To impute or to adapt? Model specification tests' perspective. *Statistical Papers*, 65 (2), 1021-1039, 2024. ISSN: 0932-5026, **IF2022: 1.3**
- [M22] M. Cuparić, B. Milošević. IPCW approach for testing independence. *Journal of Nonparametric Statistics*, 36 (1), 118-145, 2024. ISSN: 1048-5252, **IF2022: 1.2**
- [M22] M. Cuparić, B. Milošević. Goodness-of-fit testing in the presence of cured data: IPCW approach. *Lifetime Data Analysis*, 233-252, 2025, ISSN: 1380-7870 **IF2023: 1.2** DOI: 10.1007/s10985-025-09646-1
- [M22] B. Ebner, M. Cuparić, B. Milošević, Flexible independence testing for hyperspherical data: A kernel approach for vectors of different dimensions, *Journal of Statistical Computation and Simulation*, 2025 **IF2024: 1.2** doi: 10.1080/00949655.2025.2566417

University textbooks (in Serbian)

J. Jocković, M. Cuparić, *Introduction to Life Insurance Mathematics*, Faculty of Mathematics, 2025. ISBN 978-86-7589-200-7

Conferences

Invited talks

- [M32] **M. Cuparić**, B. Milošević, On Independence Testing in the Presence of Cure Data, CFE-CMStatistics 2025, 13-15 December 2025, London, UK.
- [M32] D. Bucalo Jelić, **M. Cuparić**, B. Milošević, Independence testing for mixed-type data using distributional transformations, HiTEc & CoDES 2025, July 8-9 2025, Limassol, Cyprus.
- [M32] **M. Cuparić**, Goodness-of-Fit Testing in Survival Analysis: Imputation vs Adaptation for Censored Data, IDWSDS, October 8, 2024, Virtual Conference.
- [M32] D. Aleksić, **M. Cuparić**, B. Milošević, Testing independence in the presence of data missing completely at random, HiTEc & CoDES 2024, March 23-24 2024, Limassol, Cyprus.
- [M32] **M. Cuparić**, B. Ebner, B. Milošević, Testing independence for circular data: Energy-based approach, CFE-CMStatistics 2023, December 16-18 2023, Berlin, Germany.
- [M32] **M. Cuparić**, B. Milošević, New characterization based goodness-of-fit tests for randomly censored data, CFE-CMStatistics 2020, December 19-21 2020, Virtual Conference.

- [M31] **M. Cuparić**, B. Milošević, M. Obradović, New class of supremum-type exponentiality tests based on V-empirical Laplace transforms and Puri-Rubin characterization, 21st European Young Statisticians Meeting, July 29 - August 2 2019, Belgrade, Serbia.

Other talks - presenting author

- [M34] **M. Cuparić**, B. Milošević, Nonparametric Tests for Independence in the Presence of Cured Data, October 2025, The Third Meeting of Mathematicians of Serbia and Montenegro, Belgrade, Serbia
- [M64] **M. Cuparić**, B. Milošević, Characterization-based goodness-of-fit tests for survival data with a cure fraction, December 2024, The 14th symposium "Mathematics and Applications", Belgrade, Serbia
- [M34] **M. Cuparić**, B. Milošević. On independence testing: a randomly censored data perspective. Statistical Modeling with Applications, 24-25. September 2024. Belgrade, Serbia
- [M64] **M. Cuparić**, B. Ebner, B. Milošević, Independence tests for circular data, December 2023, The thirteenth symposium "Mathematics and Applications", Belgrade, Serbia
- [M64] **M. Cuparić**, B. Milošević, Independence tests for randomly censored data (Testovi nezavisnosti za slučajno cenzurisane podatke), December 2022, The twelfth symposium "Mathematics and Applications", Belgrade, Serbia
- [M64] **M. Cuparić**, Goodness-of-fit tests for randomly censored data, Kongres mladih matematičara u Novom Sadu, 29.9-1.10.2022., Novi Sad, Serbia.
- [M64] **M. Cuparić**, B. Milošević, Testovi saglasnosti sa raspodelom u slučaju nepotpunog uzorka, The eleventh Symposium "Mathematics and Applications" 2021, 3-4.12.2021., University of Belgrade - Faculty of Mathematics, Belgrade, Serbia.
- [M34] **M. Cuparić**, B. Milošević, Univariate goodness-of-fit tests for randomly censored data: tests' adaptation versus data transformation, Applied Statistics, September 20-22 2021, Ribno (virtual), Slovenia.
- [M34] **M. Cuparić**, B. Milošević, M. Obradović, On the asymptotic efficiency of recent characterization based exponentiality tests of L^2 and L^∞ type, New Trends in Mathematical Stochastics, 30.8-3.9.2021., Saint Petersburg, Russia
- [M64] **M. Cuparić**, B. Milošević, Ya. Yu. Nikitin, M. Obradović, Novi testovi eksponencijalnosti ω^2 tipa (New ω^2 type exponentiality tests), The tenth Symposium "Mathematics and Applications" 2019, 6-7.12.2019., University of Belgrade - Faculty of Mathematics, Belgrade, Serbia.
- [M34] **M. Cuparić**, B. Milošević, M. Obradović, L^2 -type exponentiality tests based on V-empirical Laplace transform and Puri-Rubin characterization, XIV Serbian Mathematical congress, May 16-19. 2018, Kragujevac, Serbia.

Other talks - coauthor

- [M34] M. Cuparić, **B. Milošević**, Recent directions in statistical tests for randomly censored data, Bernoulli-ims 11th World Congress in Probability and Statistics, August 12-15 2024, Bochum, Germany
- [M34] M. Cuparić, **B. Milošević**, On the goodness-of-fit tests for censored data with cure fraction, May 16-19. 2024, Kozani, Greece

- [M34] M. Cuparić, **B. Milošević**, Mixture cure models: a goodness-of-fit perspective, Conference of the Romanian Society of Probability and Statistics, May 10-11 2024, Timisoara, Romania
- [M34] M. Cuparić, B. Ebner, **B. Milošević**, Testing independence for spherical and hyperspherical data: kernel-based approach, HiTEc & CoDES 2024, March 23-24 2024, Limassol, Cyprus.
- [M34] **D. Aleksić**, M. Cuparić, B. Milošević. On the asymptotic properties of non-degenerate U-statistics in the presence of MCAR data. Statistical Modeling with Applications, 29-30. September 2023. Bucharest
- [M34] M. Cuparić, **B. Milošević**, Independence tests for randomly censored data: novel proposal and the review of recent developments, GOFCP September 2-4 2022, Rennes, France
- [M34] M. Cuparić, **B. Milošević**, On the IPCW approach for testing independence, ISNPS June 20-25 2022, Paphos, Cyprus
- [M34] M. Cuparić, **B. Milošević**, Goodness-of-fit tests for censored data: a look at the past, present and future research, StatMod2021 (virtual), December 3-4 2021 Rouen, Rouen, France
- [M34] M. Cuparić, **B. Milošević**, Characterization based approach for construction of goodness-of-fit tests: randomly censored data case, New Trends in Mathematical Stochastics, 30.8-3.9.2021., Saint Petersburg, Russia
- [M34] M. Cuparić, **B. Milošević**, Recent directions in testing exponentiality: the right censored data case, 8th European Congress of Mathematics (virtual), June 20-26, 2021, Portorož, Slovenia
- [M34] M. Cuparić, **B. Milošević**, M. Obradović, New consistent characterization based goodness-of-fit tests, European Meeting of Statisticians, July 22-26 2019, Palermo, Italy.
- [M34] M. Cuparić, **B. Milošević**, M. Obradović, New consistent goodness-of-fit tests based on V-empirical Laplace transforms, CFE-CMStatistics 2018, December 14-16 2018, Pisa, Italy.
- [M64] M. Cuparić, **B. Milošević**, M. Obradović, Novi načini za konstrukciju postojanih testova ekspanencijalnosti (New ways of constructing consistent exponentiality tests), The ninth Symposium "Mathematics and Applications", 6-7.12.2018., University of Belgrade - Faculty of Mathematics, Belgrade, Serbia

Posters

- [M34] M. Cuparić, B. Milošević, Ya.Yu. Nikitin, M. Obradović, Some consistent exponentiality tests based on Puri-Rubin and Desu characterizations, Analytical Methods in Statistics, September 16-19 2019, Liberec, Czech Republic.
- [M32] D. Bucalo Jelić, M. Cuparić, B. Milošević, Independence testing: A new approach for mixed-type multivariate data, GOFCP, August 29-31, 2025, Prague, Czech Republic

Projects

2018–2019 Projects funded by Ministry of Education, Science and Technological Development: *Geometry, education and visualization with application* [174012], Role: researcher

- 2021–2022 Projects funded by Ministry of Education, Science and Technological Development: *Improving teaching in the field of statistical data processing*, Role: researcher
- 2023-2024 Bilateral scientific project between Serbia and Germany: *Modeling Complex Data - Selection and Specification* Role: researcher
- 2023-present COST ACTION: Text, functional and other high-dimensional data in econometrics: New models, methods, applications- HiTEc[21163] Role: researcher

International collaboration and mobility

Research visits

- November 2024 Karlsruhe Institute of Technology
- Decembar 2023 Karlsruhe Institute of Technology

Invited seminars and webinars

- December 2025 Independence Testing via Kendall's Tau: Approaches for MCAR, Randomly Censored, and Data with a Cure Fraction, Advanced Statistical Seminar - Charles University
- November 2022 Goodness-of-fit tests for randomly censored data, One World YoungStatS webinar

Summer schools

- 2017 Bocconi Summer School in Advanced Statistics and Probability: STATISTICAL AND CAUSAL LEARNING, Como, Italy
- 2014 BEST Event on Education: Symposium on Education in Cluj - Napoca, Romania

Awards

- 2022 Veselin Lučić award for the best scientific achievement in 2021

Peer reviewing activity

- 2019-2023 Reviewed papers in the following journals: SORT, Research in Statistics, Mathematics and Computers in Simulation, Stochastics, South African Statistical Journal, Journal of Applied Statistics, Mathematics, Statistics and Probability Letters

Supervision and Committee Memberships

- 2020-present Committee member of 15 Master's theses
- 2024 Supervisor of one defended Master's thesis
- 2025-present Committee member of two PhD theses

Other academic activities

- 2023 The member of the scientific committee of the 23rd European Young Statisticians Meeting, Ljubljana, Slovenia
- 2024 The member of the organizing committee of the 15th SMAK Serbian Mathematical Congress

2024 The member of the organizing committee of the Statistical Modeling with Applications 2024

Skills and other facts

Programming skills: R, C++

Foreign languages: English

Researcher databases

RIS: [164520](#) | ORCID: [0000-0001-5071-8350](#) | ResearcherID: [X-2753-2019](#) |

Google scholar: [Marija Cuparić](#)