# Marija (Dušan) Cuparić

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Place of birth: Čačak, Serbia
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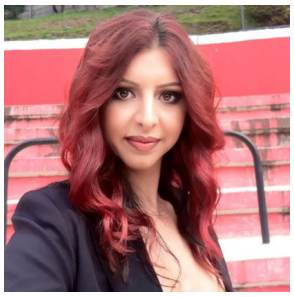

## Research interests

nonparametric statistics, model specification tests, asymptotic efficiency, distribution theory

## 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 $L^\infty$ 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

[M22] M. Cuparić, B. Milošević, and M. Obradović. New $L^2$–type exponentiality tests. SORT, 43(1):25-50, 2019. ISSN: 1696–2281, **IF(2017): 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, **IF(2020): 0.881**

[M21] M. Cuparić, B. Milošević. New characterization based exponentiality tests for randomly censored data. TEST, 2021. ISSN: 1133-0686, **IF(2020): 2.345,** https://doi.org/10.1007/s11749-021-00787-7

[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, **IF(2021): 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, **IF(2021): 2.276**

[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):** 1075

# Conferences

## Invited talks

[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

[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 $L^\infty$ type, New Trends in Mathematical Stochastics, 30.8-3.9.2021., Saint Petersburg, Russia

[M34] M. Cuparić, **B. Milošević**, Characterization based approach for construction of goodness-offit 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

[M64] **M. Cuparić**, B. Milošević, Ya. Yu. Nikitin, M. Obradović, Novi testovi eksponencijalnosti $\omega^2$ tipa (New $\omega^2$ 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, 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 eksponencijalnosti (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

[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.

### 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.

## 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

## 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

## Peer reviewing activity

2019 Reviewed papers in the journal SORT

## 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