

Dr. Božidar V. Popović

Education

2009–2011	PhD in Mathematics, University of Niš, Faculty of Sciences and Mathematics, SERBIA. Thesis: Some Time Series Models With Marginal Approximated Beta Distribution. Supervisor: prof. Miroslav M. Ristić
2004–2009	MSc in Mathematics, University of Belgrade, Faculty of Mathematics, SERBIA. Thesis: Some Time Series Models With Marginals From Pearson System of Distributions. Supervisor: prof. Vesna S. Jevremović
1998–2003	University degree in Mathematics, University of Belgrade, Faculty of Mathematics, SERBIA.
1994–1998	Mathematical Grammar School, MONTENEGRO.

Professional Experience

2013–onwards	University of Montenegro. Professor
2010–2013	Statistical Office of Montenegro. Assistant director. Sector of ICT and mathematical methods.
2004–2010	Statistical Office of the Republic of Serbia. Department of mathematical methods.

Teaching Activities

Faculty of Philosophy. Statistics.
Faculty of Medicine. Biostatistics.

Skills

Software | R, SAS, SPSS, MATLAB, Internet Explorer, MS Office.

Interests

Non-Gaussian Time Series Models, Theory of Distributions, Special functions, R programming.

Professional Training

October 2009 (one week) | University of Neuchatel, Switzerland. Different sampling and estimation methods in R.

Oral presentations

2010 | MASSEE International Congress on Mathematics MICOM, Ohrid, Macedonia.
Paper: New Time Series Model of the Second Order with Approximated Beta Distribution Marginals.

Professional Membership

2010–today | Bernoulli Society, section for Mathematical Statistics and Probability.

Languages

Serbian | Mother tongue
English | Fluent
Russian | Fair

Publications

- 2010 On mixed AR (1) time series model with approximated beta marginal (with Tibor K. Pogány, Saralees Nadarajah), *Stat. Probab. Letters* 80, 155–158.
- 2010 AR(1) Time Series with Approximated Beta Marginal, *Publ. Inst. Math. (Belgrade) (N.S.)* 88(102), 89–98.
- 2011 New mixed AR (1) time series models having approximated beta marginals (with Tibor K. Pogány), *Math. Comput. Modelling* 54,1-2; 584–597.
- 2011 On an AR (1) Time Series Model with Marginal Two Parameter Wright Inverse-Gamma Distribution, *Comm. Statist. Theory Methods* 41(1), 166–177.
- 2011 On a Generalized Mixed AR(1) Time Series Model (with Miroslav M. Ristić, Saralees Nadarajah), *Markov Processes and related Fields* 17(4).
- 2013 Compounding: an R package for computing continuous distributions obtained by compounding a continuous and a discrete distribution (with Miroslav M. Ristić, Saralees Nadarajah), *Computational Statistics*, 28(3), 977-992..
- 2013 A new non-linear AR (1) time series model having approximate beta marginals (with Miroslav M. Ristić, Saralees Nadarajah), *Metrika*, 76, 71-92.
- 2013 The Gamma-Linear Failure Rate Distribution: Theory and Applications (with Gauss M. Cordeiro, Edwin M.M. Ortega), *J Stat. Comput. Sim.*, (accepted).
- 2013 Gamma–Lomax Distribution (with Gauss M. Cordeiro, Edwin M.M. Ortega), *J Stat. Comput. Sim.*, (accepted), DOI: 10.1080/00949655.2013.822869 .
- 2013 The Libby and Novick’s generalized beta exponential distribution (with Miroslav M. Ristić, Saralees Nadarajah), *J Stat. Comput. Sim.*, (accepted), DOI: 10.1080/00949655.2013.840627

Contact persons

Gauss M. Cordeiro, PhD, Full Professor of Statistics at Federal University of Pernambuco, BRAZIL.

Tibor K. Pogány, PhD, Full Professor, University of Rijeka, Faculty of Maritime Studies, CROATIA.

Miroslav M. Ristic, PhD, Full Professor, University of Nis, Faculty of Sciences and Mathematics, SERBIA.