Bogdan Pirković

Assistant Professor, Department of Mathematics and Informatics, Faculty of Science, University of Kragujevac

👤 Profile

I am a skilled educator and researcher, fueled by a deep passion for delving into the boundless potentials of data. My proficiency in Mathematical Statistics, Statistical Modeling, Data Analysis, and Data Science empowers me to implement statistical solutions across a wide spectrum of domains, spanning from healthcare to sports, leading to the discovery of fresh perspectives and the promotion of innovation. With more than ten years of experience, my commitment lies in crafting compelling and transformative educational programs that motivate and equip the upcoming generation of data enthusiasts.

🎓 Education

Ph.D., Faculty of Science, University of Kragujevac, Kragujevac
November 2017 — December 2022

- Ph.D. in Mathematical Statistics (subarea-Statistical Modeling);
- Thesis title-Contribution to the theory of random environment integer-valued autoregressive processes;
- Thesis supervisor-Dr. Aleksandar Nastić, full professor, Faculty of Science and Mathematics, University of Niš;

M.Sc., Faculty of Science, University of Kragujevac, Kragujevac
October 2010 — September 2012

- Master's degree in Mathematics-majoring in Theoretical Mathematics

B.Sc., Facullty of Science, University of Kragujevac, Kragujevac
October 2007 — September 2010

- Bachelor's degree in Mathematics

💼 Employment History

Assistant Professor at Faculty of Science, University of Kragujevac, Kragujevac
January 2023 — Present

As an Assistant Professor of Mathematical Statistics, I enthusiastically teach statistical courses in diverse modules and departments. I take great satisfaction in my active contribution to enhancing the curriculum, guaranteeing the most pertinent and beneficial content for my students.

Teaching Assistant at Faculty of Science, University of Kragujevac, Kragujevac
August 2017 — December 2022

Details

Cara Konstantina 22
Kragujevac, 34000
Serbia
+381643483900
bogdan.pirkovic@pmf.kg.ac.rs

Nationality

Serbian

Driving license

Category B

Links

Web page
Linkedin
ORCID

Skills

Mathematical Statistics

Statistical Modeling

Data Analysis

Data Science

R Studio

IBM SPSS Statistics

Creative Problem Solving

Project Management

Ability to Work in a Team

Adaptability

Hobbies

Traveling, Hicking, Weight lifting

Languages

English

Teaching Assistant at American University of the Middle East, Kuwait City

August 2016 — August 2017

Teaching Assistant at Faculty of Science, University of Kragujevac, Kragujevac

October 2014 — August 2016

Research Assistant at Faculty of Science, University of Kragujevac, Kragujevac

October 2012 — October 2014

★ Publications

- **B. A. Pirković,** M. M. Ristić, A. S. Nastić (2023) Random environment integer-valued autoregressive process with discrete Laplace marginal distributions, REVSTAT-Statistical Journal, **21**(4), 469–490. (**ISSN**:1645-6726, **IF**2022=0.900, Category: Probability and Statistics)

  https://doi.org/10.57805/revstat.v21i4.430

- **B. A. Pirković,** P. N. Laketa, A. S. Nastić (2021) On generalized random environment INAR models of higher order: estimation of random environment states, *Filomat*, **35**(13), 4545-4576. (**ISSN**:0354-5180, **IF**2021=0.988 **Category**: Mathematics)

  https://doi.org/10.2298/FIL2113545P

- M. S. Đorđević, M. M. Ristić, **B. A. Pirković** (2021) Identifying latent components of the TINAR model, *Filomat*, **35**(13), 4469-4482. (-**ISSN**:0354-5180, **IF**2021=0.988, **Category**: Mathematics)

  https://doi.org/10.2298/FIL2113469D

- D. Mikić, E. Desnica, A. Ašonja, **B. A. Pirković**: Personnel-basis of maintenance of technical systems, *Technical Diagnostics (in Serbian-Tehnička dijagnostika)*, **13**(3), 4-10. (**ISSN**: 1840-4898)

★ Conferences

- **B. A. Pirković,** P. N. Laketa, A. S. Nastić (2021) Random Environment Estimation Method for Generalized Random Environment INAR Models of Higher Order, *Third International Workshop on Nonlinear Analysis and its Applications,* Niš, Serbia, October 13-16, 2021, Book of Abstracts-page 40.
- **B. A.Pirković,** M. Ristić, A. S. Nastić (2022) A new random environment INAR process with discrete Laplace marginals, *Congress of young mathematicians (in Serbian-Kongres mladih matematičara),* Novi Sad, Serbia, September 29- October 01, 2022, Book of Abstracts-page 63.

★ Teaching Experience

Department of Mathematics and Informatics, Faculty of Science, University of Kragujevac

Statistics in Informatics (lectures-postgraduate students);

Data Visualization and Analysis (lectures-postgraduate students);

Mathematical modeling (lectures-undergraduate students);

Probability and Statistics 1 (labs-undergraduate students, 2014-2022);

Probability and Statistics 2 (labs-undergraduate students, 2014-2022);

Theoretical basics of Informatics (labs-undergraduate students, 2017-2019);

The use of computers in teaching Mathematics (labs-undergraduate students, 2012-2016);

Statistics in Informatics (labs-postgraduate students, 2014-2022).

Department of Physics, Faculty of Science, University of Kragujevac

Statistics in Medicine (lectures-postgraduate students);

Mathematics 2 (labs-undergraduate students, 2014-2016);

Mathematics 3 (labs-undergraduate students, 2017-2022).

Department of Psychology, Faculty of Science, University of Kragujevac

Statistics in Psychology 2 (lectures-undergraduate students);

Statistics in Psychology 1 (labs-undergraduate students, 2019-2022).

Department of Biology and Ecology, Faculty of Science, University of Kragujevac

Statistics and Computing (labs-undergraduate students, 2017-2020).

American University of the Middle East

Analytic Geometry and Calculus I (labs-undergraduate students, 2016-2017);

Probability and Statistics in Engineering (labs-undergraduate students, 2016-2017);

Statistics in Economy (labs-undergraduate students, 2016-2017).

❧ Extra-curricular activities

External Associate at InSource Lab, Kragujevac

February 2023 — Present

InSource Lab is a software engineering and consulting house dedicated to providing high-quality end-to-end software development services. As an external associate, my role is to ensure that software solutions are grounded in sound mathematical principles, particularly in the field of Probability and Statistics. Whether providing guidance from the start of a project or conducting thorough quality checks, I'm committed to delivering high-quality results that exceed expectations.

Peer Review

May 2023 — Present

Reviewing scientific papers for the following journals:

- Communications in Statistics-Theory and Methods;
- Filomat.

★ Certificate

Training for teaching in English, Kragujevac

November 2022 — January 2023

I successfully completed a three-month English language teaching training program sponsored by the US Embassy in Serbia and coordinated by Foundation Tempus.

◀ References

References available upon request