

Marko Dimovski, MSc

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EDUCATION

2013 – 2016 MSc in Mathematical Sciences and its Applications, Ss. Cyril and Methodius University, Skopje, Macedonia. MSc thesis title: 'Regularized least-square optimization method for parameter estimation in the linear regression models'. Supervisor: Dr. Irena Stojkovska.

2008 – 2012 BSc in Applied Mathematics, Ss. Cyril and Methodius University, Skopje, Macedonia. BSc thesis title: 'Chain ladder method in non-life insurance'. Supervisor: Dr. Irena Stojkovska.

ACADEMIC AND PROFESSIONAL POSITIONS

2017-ong Teaching and Research Associate, Institute of Mathematics, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, Macedonia.

2014-ong Teaching Assistant, Institute of Mathematics, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, Macedonia.

2014 Intern, AD Insurance Policy, Skopje, Macedonia.

TEACHING EXPERIENCE

2019 Teaching and Research Associate – Statistics; Linear Algebra; Computer Programming (Visual Basic); Mathematics for Chemistry 2, Spring term, undergraduate.

2018 Teaching and Research Associate – Probability; Algebraic structures; Financial mathematics; Mathematics for Chemistry 1; Basics of Databases, Autumn term, undergraduate.

2018 Teaching and Research Associate – Statistics; Linear Algebra; Computer Programming (Visual Basic); Mathematics for Chemistry 2, Spring term, undergraduate.

2017 Teaching and Research Associate – Probability; Algebraic structures; Financial mathematics; Mathematics for Chemistry 1; Basics of Databases, Autumn term, undergraduate.

2017 Teaching and Research Associate – Statistics; Linear Algebra; Computer Programming (Visual Basic), Spring term, undergraduate.

2016 Teaching Assistant – Probability; Algebraic structures; Financial mathematics; Basics of Databases, Autumn term, undergraduate.

2016 Teaching Assistant – Statistics; Linear Algebra; Computer Programming (Visual Basic), Spring term, undergraduate.

2015 Teaching Assistant – Probability; Algebraic structures; Basics of databases, Autumn term, undergraduate.

- 2015** Teaching Assistant – Statistics; Computer Programming (Visual Basic), Spring term, undergraduate.
- 2014** Teaching Assistant – Probability; Basics of Databases, Autumn term, undergraduate.

ACADEMIC PUBLICATIONS

- Gordana Nikolovska, **Marko Dimovski**, Теорија на графови и задачата на собирање купони, Научно-популарни трудови од Третиот семинар „Математика и примени“, Математички омнибус 5 (2019), 166-167
- **Marko Dimovski**, Окамовото сечило низ перспективата на бејзовата статистика, Научно-популарни трудови од Вториот семинар „Математика и примени“, Математички омнибус 3 (2018), 139 – 150
- **Marko Dimovski**, Предвидување на резервите за исплата на штетите при неживотно осигурување, Научно-популарни трудови од Првиот семинар „Математика и примени“, Прилог од Работилницата „Математиката и предвидувањата“ 11 мај 2016 год., Математички омнибус 1 (2017), 137 – 150
- Kristina Novkovska, **Marko Dimovski**, Математички модел на францускиот парадокс, Научно-популарни трудови од Првиот семинар „Математика и примени“, Математички омнибус 1 (2017), 49 – 54
- Milena Kresoja, **Marko Dimovski**, Irena Stojkovska, Zorana Lužanin, Stochastic approximation with adaptive step sizes for optimization in noisy environment and its application in regression models, *Matematički Bilten* Vol. 40 No. 4 (2016) pp. 62-79
- **Marko Dimovski**, Irena Stojkovska, Regularized least-square optimization method for variable selection in regression models, *Matematički Bilten* Vol. 40 No. 4 (2016) pp. 80-100

PRESENTED WORK

- 2018** Third seminar *Mathematics and applications*, 13-14 December, Skopje, Macedonia, **M. Dimovski**, G. Nikolovska, *Teorija na grafovi i zadacata na sobiranje kuponi/ Graph theory and the coupons collector's problem*”.
- 2017** Second seminar *Mathematics and applications*, 6-7 December, Skopje, Macedonia, **M. Dimovski**, *Okamovoto secilo niz perspektivata na Bejzovata statistika / Ockham's razor in the aspect of the Bayesian statistics*.
- 2016** First seminar *Mathematics and applications*, 14 December, Skopje, Macedonia, **M. Dimovski**, K. Novkovska, *Matematički model na "francuskiot paradox"/ Mathematical model of the "French paradox"*.
- 2016** VI Congress of Mathematicians of Macedonia, 15-18 June, Ohrid, Macedonia, M. Kresoja, **M. Dimovski**, I. Stojkovska, Z. Luzanin, *Stochastic approximation with adaptive step sizes for optimization in noisy environment and its application in regression models*.
- 2016** VI Congress of Mathematicians of Macedonia, 15-18 June, Ohrid, Macedonia,

M. Dimovski, I. Stojkovska, *Regularized least-square optimization method for variable selection in regression models.*

- 2016** Workshop Mathematics and predictions, 11 May, Skopje, Macedonia, **M. Dimovski**, *Predviduvanje na rezervite za isplata na stetite pri nezivotno osiguruvanje/Estimating the reserve amount in non-life insurance claim.*

ACADEMIC SERVICE

- 2018** Coordinator of the Third seminar on Mathematics and applications, Skopje, Macedonia, organized by the Department of Mathematics, Faculty of Natural Sciences and Mathematics, Skopje, Macedonia, 13-14 December.
<http://im-pmf.weebly.com/tret-seminar-matematika-i-primeni.html>
- 2018** Member of the Academic Misconduct Committee, Faculty of Natural Sciences and Mathematics, Skopje.
- 2017** Coordinator of the Second seminar on *Mathematics and applications*, Skopje, Macedonia, organized by the Department of Mathematics, Faculty of Natural Sciences and Mathematics, Skopje, Macedonia, 6-7 December.
<http://im-pmf.weebly.com/vtor-seminar-matematika-i-primeni.html>
- 2016** Coordinator of the on First seminar *Mathematics and applications*, Skopje, Macedonia, organized by the Department of Mathematics, Faculty of Natural Sciences and Mathematics, Skopje, Macedonia, 14 December.
<http://im-pmf.weebly.com/seminar-matematika-i-primeni.html>

ATTENDED COURSES AND WORKSHOPS

- 2018** Full-stack Academy (HTML, CSS, PHP, MySQL, Laravel), May-October, Brainster, Skopje.
- 2017** Workshop of *The 126th European Study Group with Industry*, co-organized by the Korteweg – de Vries Institute for Mathematics of the University of Amsterdam and the Centrum Wiskunde and Informatica (CWI), the Dutch Centre for Mathematics and Computer Science, 23 – 27 January, Amsterdam, Netherlands.
- 2016** Workshop Mathematics and predictions, organized by Department of Mathematics, Faculty of Natural Sciences and Mathematics, 11 May, Skopje, Macedonia.
<http://im-pmf.weebly.com/rabotilnica-matematikata-i-predviduvanjata.html>
- 2014** Intensive Course "*Nonsmooth optimization and piecewise linearization*", in the framework of the DAAD project "Centre of Excellence for Applications of Mathematics", organized by the Faculty of Sciences, Novi Sad, 22-27 September, Novi Sad, Serbia.

POPULAR PUBLICATIONS

- **M. Dimovski**, *Zabavna matematika: Vizuelno predvidovanje*, Matematika +, 8 januari 2018
- **M. Dimovski**, *Procenuvanje – zosto I kako do dobri ocenki*, Matematika +, 2 noemvri 2018

COMPUTER AND TECHNICAL SKILLS

- Microsoft office
- Visual Basic
- Matlab
- HTML & CSS
- PHP & Laravel
- MySQL, Python