

# Zuzana Rigová

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Zuzana Rigová is an assistant professor of Informatics and Information systems at the Faculty of Economics, Matej Bel University in Banská Bystrica, Slovakia. She has long years of experience with Information and Communication Technologies. Her research is focused on the issues of measuring efficiency in education and local government by using Data Envelopment Analysis methods and in data analysis by using available applications and tools.

## Qualification and Education

- 2009 – PhD, Faculty of Natural Sciences, Constantine the Philosopher University in Nitra, Slovak Republic. Research area: Theory of computer science teaching
- 1987 – Ing. at Technical University in Kosice, The Faculty of Mechanical Engineering, Slovak Republic

## Employment | Service

- 1999 up to present: teacher at Department of Quantitative Methods and Information Systems, The Faculty of Economics, Matej Bel University in Banská Bystrica, Slovak Republic. Subjects: Informatics, Information Systems for study programmes of territory management, public services and economics and management of enterprise
- 1987 – 1998: system operator and electronic banking administrator, VUB Bank, Regional Computing Center in Banská Bystrica, Slovak Republic

## Research Interests

- Application of Data Envelopment Analysis
- Data Analysis in Public economics
- Application of IT in public services
- E-government

### Recent Publications

- GRAUSOVÁ, M. – HUŽVÁR, M. – RIGOVÁ, Z. 2018. The impact of competitive allocation of subsidies on productivity change of universities in Slovakia. In: Applications of Mathematics and Statistics in Economics 2018, Conference Proceedings, full text papers (2018): 118-132. ISBN: 978-80-245-2277-7.
- GRAUSOVÁ, M. – HUŽVÁR, M. – RIGOVÁ, Z. 2017. Efficiency assessment of Slovakian universities. In: Applications of mathematics and statistics in economics 2017: Conference proceedings, full text papers (2017): 195-206. ISBN 978-83-7695-693-0.
- HUŽVÁR, M. – RIGOVÁ, Z. 2016. Efficiency of education expenditure in OECD countries. In Applications of mathematics and statistics in economics 2016, Conference proceedings, Full text papers (2016). ISBN 978-80-89438-04-4. ISSN 2453-9902. CD-ROM, s. 152-162.
- HUŽVÁR, M. – RIGOVÁ, Z. – SÝKOROVÁ, K. 2016. Efficiency of municipal governments in Slovakia. In: Data envelopment analysis and its applications 2015, Conference proceedings, Full text papers (2016). ISBN 978-1-85449-497-9. S. 61-66.
- HUŽVÁR, M. – RIGOVÁ, Z. 2015. Evaluation of higher education institutions using data envelopment analysis. In: Applications of mathematics and statistics in economics 2015. Conference proceedings, full text papers (2015). ISBN 978-80-245-2099-5.

### Research Funding (Selected Projects)

- Slovak Ministry of Education, recent VEGA projects:  
2018 – 2021: VEGA 1/0151/18 The impact of local taxes proceeds on performance of local government tasks in both economically developed and lagging regions in the context of Industry 4.0