

## Associate Professor Berislav Žmuk, PhD

Head of Department of Statistics; Department of Statistics

e-mail: [bzmuk@net.efzg.hr](mailto:bzmuk@net.efzg.hr); phone: +385 1 238 3372

Google Scholar: <https://scholar.google.hr/citations?user=A5ki56IAAAAJ>

ORCID: <https://orcid.org/0000-0003-3487-1376>

### Career overview

*Berislav Žmuk is an Associate Professor who graduated with a major in Accounting, completed postgraduate studies in Statistical Methods for Economic Analysis and Forecasting, and earned his PhD in Business Economics from the Faculty of Economics and Business, University of Zagreb. He currently teaches Statistics, Business Statistics, Business Forecasting, and Introduction to Economic Statistics at the Department of Statistics. He has served as President of the Croatian Statistical Association and is on the editorial boards of three scientific journals. Presently, he is the head of the Department of Statistics and leads the University Specialist Study Program in Statistical Methods for Economic Analysis and Forecasting.*

### Research areas

*Business statistics, data collection and statistical analysis, econometrics, statistical quality control, survey methodology*

### External activity

*Member of the following associations: Croatian Statistical Association (CSA), Zagreb, Croatia; European Network for Business and Industrial Statistics (ENBIS), Amsterdam, Netherlands; International Association of Survey Statisticians (IASS), Hague, Netherlands; European Survey Research Association (ESRA), Southampton, United Kingdom; Croatian Society for Operational Research (CRORS), Zagreb, Croatia.*

*Member of editorial boards for the following scientific journals: Croatian Review of Economic, Business and Social Statistics; Business Systems Research; Croatian Operational Research Review.*

### Notable Publications in period 2019-2023

1. Krpan, M., Gardijan Kedžo, M., Žmuk, B., (2023), *Exploring the Link Between Education Length and Employment Outcomes among Youth in Europe: A Hierarchical Clustering Approach*, *Business Systems Research Journal*, Vol. 14, No. 2, pp. 190-212, ISSN: 1847-9375 (Online).
2. Jošić, H., Žmuk, B., (2023), *There is still life in factor proportions model: an evidence from the selected OECD countries*, *European Journal of Comparative Economics*, Vol. 20, No. 2, pp. 193-221, ISSN: 1824-2979.
3. Žmuk, B., Ivanda, K., (2023), *Self-Perceived Financial Sufficiency of the Elderly Population in Croatia*, *Revija za socijalnu politiku*, Vol. 30, No. 2, pp. 165-183, ISSN: 1330-2965 (Print), ISSN: 1845-6014 (Online).
4. Hunady, J., Pisar, P., Jošić, H., Žmuk, B., Pejić Bach, M., (2023), *Government and business funding of sources of funds for R&D at universities: Complements or substitutes?*, *South East European Journal of Economics and Business*, Vol. 18, No. 2, pp. 97-111, e-ISSN: 2233-1999 (Online).
5. Žmuk, B., Quresh, F. H., Khawaja, S., (2023), *Inequality in E-Learning in European Union Countries: Role of Gender, Education and Urban Development*, *Interdisciplinary description of complex systems*, Vol. 21, No. 5, pp. 441-457, ISSN: 1334-4676 (Online).
6. Pejić Bach, M., Žmuk, B., Kamenjarska, T., Bašić, M., Morić Milovanović, B. (2023), *The economic and sustainability priorities in the United Arab Emirates: conflict exploration*, *Journal of Enterprising*

*Communities: People and Places in the Global Economy*, Vol. 17, No. 5, pp. 966-998, ISSN: 1750-6204 (Online).

7. Žmuk, B., Jošić, H., (2023), *Investigation of the sunspots and GDP nexus: The case of Balkan countries*, *Economic Annals*, Vol. 68, No. 237, pp. 69-95, ISSN: 0013-3264.
8. Jošić, H., Žmuk, B., (2022), *A Machine Learning Approach to Forecast International Trade: The Case of Croatia*, *Business Systems Research Journal*, Vol. 13, No. 3, pp. 144-160, ISSN 1847-9375 (Online).
9. Pejić Bach, M., Kamenjarska, T., Žmuk, B., (2022), *Targets of phishing attacks: The bigger fish to fry*, *Procedia Computer Science*, Vol. 204, pp. 448-455, ISSN: 1877-0509.
10. Žmuk, B., (2022), *The Use of Statistical Methods in Croatian Enterprises During the Early Stages of COVID-19*, *Naše gospodarstvo/Our Economy*, Vol. 68, No. 1, pp. 52-63, ISSN: 0547-3101 (Print), ISSN: 2385-8052 (Online).