Ihor Miroshnychenko

ASSOCIATE PROFESSOR, DEPARTMENT OF TECHNOLOGY MANAGEMENT

Kyiv National University

☎ +38 097 639 18 06 | ✉ ihor.miroshnychenko@kneu.ua

🏠 aranaur.rbind.io | ⬛ aranaur | in ihormiroshnychenko | Ⓓ 0000-0002-1307-7889

🏛 Education

Bachelor of Economic Cybernetics
Kyiv, Ukraine

KYIV NATIONAL ECONOMIC UNIVERSITY
2004-08

- GPA: 4.1 / 5
- Qualification: Teacher of Economics

Master of Economic Cybernetics
Kyiv, Ukraine

KYIV NATIONAL ECONOMIC UNIVERSITY
2008-09

- GPA: 4.3 / 5

Ph.D in Economics
Kyiv, Ukraine

KYIV NATIONAL ECONOMIC UNIVERSITY
2016

- Theme: System of evaluation models of stateinvestment potential
- Speciality: Methematical Methods, Models and Information Technologies in Economics

Docent
Kyiv, Ukraine

KYIV NATIONAL ECONOMIC UNIVERSITY
2022

- Academic status

💼 Professional Experience

2023–	**Associate Professor**, Department of Technology Management, FIT, KNU
2021–	**Associate Professor**, Department of Mathematical Modeling and Statistics, IITE, KNEU
2019–	**Lecturer**, MBA, International Institute of Business (IIB)
2018–2021	**Associate Professor**, Department of Mathematical Modeling and Statistics, IITE, KNEU
2015–2018	**Senior teacher**, Department of Economic and Mathematical Modeling, FISiT, KNEU
2009–2015	**Assistant**, Department of Economic and Mathematical Modeling, FISiT, KNEU

💡 Projects

Production optimization

📍 PRJSC MHP
📅 *2019-2020*

- Conducted production process analysis and identify critical issues and gaps for an established process center
- Identified influential indicators of production optimization and their relationship
- Build predictive models using various machine learning tools to predict product growth

Formation and approaches to forecasting the exchange rate

📍 MINECONOMY OF UKRAINE
📅 *2019-2020*

- Mentoring a group of researchers, monitoring the timing and quality of implementation.
- Dive the interaction and partnership between the managers to ensure active cooperation in identifying as well as defining analytical needs
- Build predictive models with a variety of machine learning tools to predict currency rates.
- First place in the competition

Financial and economic justification of the legislative initiative

📍 COMMITTEE OF THE VR
📅 *2017*

- Developed a model of clustering of draft laws using SOM for scaling and forming clusters of similarity of projects
- Developed an information processing algorithm with the involvement of NLP and methods of machine and statistical learning
- Led training sessions on the econometrics and clustering algorithms for justification of the legislative initiative

Effective management of public finances

📍 FINANCIAL AND ECONOMIC ANALYSIS OFFICE IN THE VRU
📅 *2016*

- Assessed and analyzed the needs of the office and the main counterparties
- Detailed training plan and basic analysis tools were developed
- Conducted a number of training events and practical application of the results skills

🖥️ Teaching experience

Web analytics: PRO 🔗	📅 2023	📍 Web Promo Experts	Online Course
Time series with R	📅 2023	📍 dentsu	Corporate Training
R for business	📅 2022	📍 dentsu	Corporate Training
Analytics in business	📅 2021	📍 PrJSC MHP	Corporate Training

🧠 Skills

⚙️ TECHNICAL SKILLS

Coding Languages	Software	Data Science	Other
R – Python – SQL	RStudio – VS Code – PyCharm – Jupyter Notebook – DataSpell	Tidyverse – Pandas – Numpy – Matplotlib – Seaborn – Plotnine – Scikit-learn – Statsmodels – DuckDB	Git – Markdown – LaTex – Quarto – Mermaid – Graphviz

🖥️ Additional education

Simulator SQL 🔗	📍 karpov.courses
Associate Data Scientist 🔗	📍 Data Camp
Python for Data Science 🔗	📍 StartUp Academy (IT Generation project)
Data Scientist with Python 🔗	📍 Data Camp
Fundamentals of statistics. Part 2 🔗	📍 Stepik
Data analysis in R 🔗	📍 Stepik
Fundamentals of Statistics 🔗	📍 Stepik

👥 Editorial board

2018–2019   **Editor's Assistant**, *Neuro-Fuzzy Modeling Techniques in Economics* (**Scopus** science 2019)

🔤 Languages

Languages	Level
Ukrainian	Bilingual proficiency
English	B2

🎮 Hobbies

📖 Self-education   🎸 Guitar playing   🥾 Treveling   🖼️ Photography   🎮 Gaming   📖 Reading   ⚽ Football

💬 Selected Publications

1. Miroshnychenko, I., Kravchenko, T., & Drobyna, Y. (2021). Forecasting the main indicators of the market of alternative sources of electricity in developing countries (on the example of ukraine). *Neuro-Fuzzy Modeling Techniques in Economics*, *10*, 160–192.

2. Chuzhykov, V., Lukianenko, O., & Miroshnychenko, I. (2020). Forecasting of fish and seafood catch in the global economy. *Neuro-Fuzzy Modeling Techniques in Economics*, *9*, 45–68.

3. Matviychuk, A., Lukianenko, O., & Miroshnychenko, I. (2019). Neuro-fuzzy model of country's investment potential assessment. *Fuzzy Economic Review*, *24*(2), 65–68.

4. Kaminskyi, A., Miroshnychenko, I., & Pysanets, K. (2019). Risk and return for cryptocurrencies as alternative investment: Kohonen maps clustering. *Neuro-Fuzzy Modeling Techniques in Economics*, *8*, 175–193.