

Karol Flisikowski works as an Associate Professor at the Department of Statistics and Econometrics, Faculty of Management and Economics, Gdańsk University of Technology. He is responsible for teaching descriptive and mathematical statistics (in both Polish and English) and conducting scientific research in the field of social statistics. He has participated in numerous national and international conferences, presenting the results of his statistical and econometric analyses applied to socio-economic research. Since October 2020, he has also worked as an Assistant Professor at the International Business School at Chongqing Technology and Business University in Chongqing, China. Between 2018 and 2019, he was employed at the International College at I-Shou University in Kaohsiung, Taiwan. Karol Flisikowski is a graduate of two majors: Management (specializing in Small Business Economics and Management) and Electronics and Telecommunications (specializing in Digital Communication) at Gdańsk University of Technology. Until 2010, his research interests focused primarily on the design of digital filters in DirectX technology and the application of classification trees, random forests, and neural networks to forecast corporate bankruptcy. In 2015, he completed his doctoral dissertation (discipline: Economics / Statistics) titled "The Relationship of Intersectoral Employment and Wage Mobility in the Example of Selected OECD Countries." His work utilized classical methods of descriptive and mathematical statistics and, innovatively, implemented Markov processes for highly aggregated data. Currently, his research focuses on the application of spatial statistical methods to describe intersectoral wage and employment mobility, as well as their determinants (spatial, economic, and temporal factors). Since 2018, Karol has served as the scientific supervisor of the Data Science Club at Gdańsk University of Technology (<https://pg.edu.pl/datascienceclub>). He also acts as the representative of the Dean of the Faculty of Management and Economics for e-learning and directs the E-learning Center at WZiE PG. Additionally, he leads the postgraduate program "Artificial Intelligence and Business Process Automation in Technical Perspective."

Lecture Topic at UACS

Data Analysis - Team Project Workshops (using Git and Python)

The "Data Analysis - Team Project" workshops offer participants hands-on experience in managing and analyzing data within a team-based environment. Students will work in groups to tackle real-world data analysis projects, using Python for data processing and Git for collaborative version control.

The workshop objectives include:

- Teaching participants how to collaborate efficiently on data analysis projects using Git to manage code versions and track changes.
- Providing practical experience with Python tools and libraries such as Pandas, NumPy, and Matplotlib for data manipulation, analysis, and visualization.

- Enhancing problem-solving abilities by applying statistical and machine learning methods to various datasets in a team setting.
- Preparing participants for careers in data science and analytics by developing both technical skills and teamwork capabilities.

These workshops aim to help students not only hone their technical skills in data analysis but also build effective collaboration and communication abilities, which are essential for success in the data science field.