



**The 5th International Interdisciplinary Student Scientific Conference**  
**“Statistics in Everyday Life”**  
Białystok, May 21, 2026

**8:45 – 9:00 Registration**

**9:00 – 9:15 Conference Opening (Room 20 KB)**

- Prof. Joanna Ejdys, DSc, PhD, Eng., Dean of the Faculty of Engineering Management, Białystok University of Technology
- Assoc. Prof. Katarzyna Halicka, DSc, PhD, Eng, Vice-Rector for Education, Białystok University of Technology
- Elżbieta Majewska, PhD, Vice-Dean for Student Affairs and Education, Vilnius Branch of the University of Białystok
- Assoc. Prof. Dorota Wyszowska, DSc, PhD, Director of the Statistical Office in Białystok, Vice-Chair of the Board of the Polish Statistical Society, Białystok Branch

**9:15 – 10:45 Session 1A (Room 20 KB)**

**Moderator: Assoc. Prof. Katarzyna Halicka, DSc, PhD, Eng.**

1. Izabela Zaniewska, *Did Wages in Poland Keep up with Inflation?*
2. Jerzy Spyra, *To Save or to Spend? The Role of Interest Rates in Shaping Household Decisions in the United States – an Empirical Analysis Using the Ordinary Least Squares Method*
3. Aleksandra Rostkowska, *Wealth or Wisdom? A Multidimensional Look at the Financial Divide Between 'Old' and 'New' European Union*
4. Szymon Piontek, *Statistical Analysis of Changes in the Condition of the Private Sector in Poland During the Coronavirus Crisis*
5. Anita Remiszewska, *The relationship between the level of public investment and economic growth in Central and Eastern European countries – a panel data analysis*
6. Bartłomiej Bruszewski, *Statistically Speaking: The Role of Randomness in Breaking and Creating Ciphers*

**9:15 – 10:45 Session 1B (Room 101 KB)**

**Moderator: Prof. Joanna Ejdys, DSc, PhD, Eng.**

1. Marek Lipski, *Industry 5.0 Through the Eyes of Students: Knowledge Levels, Fears, and Expectations*
2. Dawid Tyborowski, *Analysis of the Impact of Selected Factors on the Occurrence of Anomalies in Collaborative Robots*
3. Andrejczuk Patrycja, *Public readiness for the introduction of autonomous vehicles*
4. Marek Cwalina, *Smart Automation: A Statistical Analysis of the Cost-Effectiveness of Robotization in Industry, Logistics, and Healthcare*
5. Aleksanda Bałdyga, Julia Adamczuk, *Consumer Willingness to Pay for “Green Delivery”: A Study of Environmental Awareness in the Context of Freight Transport*
6. Mariusz Kozłowski, *Statistical Analysis of the Relationship Between Aircraft Speed and Aerodynamic Drag*

**10:45 – 11:00 Coffee break**

**11:00 – 12:30 Session 2A (Room 20 KB)**

**Moderator: Assoc. Prof. Marta Jarocka, PhD**

1. Kaja Polkowska, Przemysław Moczulski, Joanna Godlewska, *Assessment of the functioning of the deposit system in Poland in the opinion of consumers*
2. Daniel Cwiękała, *Modeling and Prediction of Residential Real Estate Prices in Selected Polish Cities*
3. Kinga Leśniewska, *Analysis of the Level of Average Gross Wages Across Counties in the Podlaskie Voivodeship, in 2018-2024*
4. Maksymilian Garbat, *Using Statistical Methods to Analyze University Students' Preferences Regarding Modes of Transportation When Commuting to Their Educational Institution*
5. Marcin Jaczyński, *Analysis of the Relationship Between Farm Size and Farm Income in Poland*
6. Natalia Pietroczyk, *The impact of time pressure on students' logistical decision-making process*

**11:00 – 12:30 Session 2B (Room 101 KB)**

**Moderator: Rajmund Stasiewicz, PhD, Eng.**

1. Lena Jurczuk, *Statistical Analysis of the Relationship Between Field of Study and AI Tool Usage at Universities*
2. Jakub Kierznowski, *The Influence of Attitudes and Experience in Generative Artificial Intelligence on the Perception of Realism in Digital Content*
3. Błażej Gajewski, Maciej Listowski, Irena Fryc, *Statistical Evaluation of the Melanopic Impact of General Lighting LEDs at the Nominal Neutral Correlated Color Temperature*
4. Piotr Bałdyga, Maciej Listowski, Irena Fryc, *Colour Parameters of LED Populations for General Lighting and the Limitations of Standard Specifications*
5. Anastazja Czech, Jakub Majewski, *Analysis of Microclimatic Parameters in Large-Panel Buildings: Evaluating Gravity Ventilation Efficiency Using Multiple Regression and Cross-Correlation*
6. Anna Rogalska, Anna Stulgis, Łukasz Dragun, *Statistical Identification of the "Hidden Factory" as a Tool for Measuring the Scale of Losses in the Production Process*

**12:30 – 12:45 Coffee break**

**12:45 – 14:15 Session 3A (Room 20 KB)**

**Moderator: Urszula Ryciuk, PhD**

1. Kornelia Brzozowska, Karol Poniatowski, Krzysztof Poniatowski, *A Multidimensional Analysis of the Relationship Between Online Popularity, Self-esteem, and Academic Performance*
2. Konrad Adasiewicz, *Structural Changes and Dynamics of Road Transport Development in Poland in the Years 2018-2024*
3. Agata Dąbrowska, *Student Entrepreneurship as a Determinant of Professional Career Development*
4. Paulina Gąsecka, Izabela Babińska, *Application of time series analysis methods and forecasting models to the evolution of unemployment in the Częstochowa County*
5. Yaru Liang, *Statistics and Fairness in Everyday Decision-Making: The Role of Data in Organizations*

## 12:45 – 14:15 Session 3B (Room 101 KB)

**Moderator: Joanna Jakuszewicz, PhD**

1. Martyna Amonowicz, Marzena Filipowicz-Chomko, *Assessment of the Health Status of the Population and Medical Resources in European Union Countries Using the MULTIMORE Method*
2. Agata Klimovič, *The Competitive Position of Poland and the Baltic States Amid Contemporary Economic Challenges*
3. Wiktoria Krakowska, Angelika Ławreszuk, *The Impact of Instagram Micro-influencer Recommendations on Purchase Intentions and Brand Trust*
4. Szymon Malik, Ewa Kopeć, *Wage Differentiation in European Union Countries – A Taxonomic Analysis*
5. Kacper Ołdytowski, Kinga Pacewicz, *The Framing Effect in Decision-Making Processes*
6. Katarzyna Zdancewicz, *Competency Models in the IT Industry and the Perception of Career Development in the Context of Technological Change: The Perspective of Students and Professionals*

## 14:15 – 14:45 Lunch break

## 14:45 – 16:15 Session 4A (Room 20 KB)

**Moderator: Anna Milewska PhD**

1. Fabian Żebrowski, *Analysis of Clinical Data in a Survival Study of Patients with Heart Failure*
2. Vanessa Stabla, *Diagnosis of Appendicitis in Children Based on Clinical and Laboratory Findings*
3. Amelia Wierzbowska, *The Impact of Multitasking on the Efficiency of Intellectual Work – an Empirical Study among university students*
4. Natalia Lisowska, *How to Write Popular Fanfiction? – Modeling Popularity of Transformative Works*
5. Maciej Kurzyna, *Relationship between physical activity and levels of stress, concentration, and academic performance*

## 14:45 – 16:15 Session 4B (Room 101 KB)

**Moderator: Elżbieta Majewska, PhD**

1. Zuzanna Komuda, Filip Rudnik, *Demographic Factors and the Stability of the National Labour Market: A Regional Perspective*
2. Magdalena Greś, *Support Needs vs. Academic Barriers for Students with Mental Health Difficulties – Results of a Pilot Study*
3. Marta Wolna, Weronika Żak, *Principal Component Analysis and Linear Regression in Identifying Stress Factors and Their Impact on the Family Life of Paramedics*
4. Magdalena Natalia Wojtieszek, Julia Wierzbicka, *Dynamics of Digital Stress in Adults: Social Media and Psychological Well-being*
5. Piotr Jan Kanarek, *A Pilot Study as a Stage in the Validation of a Research Tool. Statistical Analysis of a Questionnaire on the Image of the Family in the Minds of Parents of Children Receiving Their First Holy Communion*

## 14:45 – 16:15 Session 4C (Room 104 KB) – Poster Session

**Moderator: Joanna Szydło, PhD**

1. Gopi Krishnan Ravindran, Lluís Blancafort, *From Trimers to Tetramers: A Deep Learning Study of Eumelanin Stability and Optical Properties*
2. Maciej Gierałtowski, *Static and Dynamic Characteristics of the Electromagnetic Force Generated by Flexible NdFeB Composites in Active Controlled Magnetic Field*
3. Natalia Ekstedt-Biskot, Klaudia Melkis, *Adherence to the Mediterranean Diet in the Third Trimester of Pregnancy and Valeric Acid Content in Human Milk*
4. Natalia Wojtaś, Aldona Kubala-Kukuś, *Statistical Analysis of Results from the Determination of Element Concentrations in Samples of Human Biological Material*
5. Dawid Blaszyński, Kornel Janiel, *Sensor Data Analysis and Failure Prediction in Mechatronic Systems*
6. Martyna Mancewicz, *Analysis of Changes in the Perception of Electromobility Barriers in Poland in 2024-2026 Based on Survey Data*
7. Jan Andrychowski, Aneta Bukłaho, *Students' Experiences in Recruitment Processes*
8. Jakub Osiekowicz, *Identification and statistical analysis of purchasing preferences of young people aged 14-19*
9. Martyna Brańko, Klaudia Gierajko, *Social Media and The Mental Health of Students – Results of a Survey Study*
10. Igor Osiekowicz, *The Impact of Inflation on the Real Value of Investments in a Selected Asset Classes in Poland in 2020-2025*
11. Krzysztof Młynarczyk, *The Influence of Disturbances on Signals in Control Systems – A Statistical Analysis*
12. Chodorowska Paulina, *Occupational Accidents in Poland*
13. Hubert Chojnowski, Paweł Samluk, *The Impact of Caffeine on the Productivity of Students and Young Employees*
14. Michał Guzowski, Wiktor Aneszko, Bartosz Giegiel, *Regional Differentiation of Passenger Transport in Poland – a Statistical Analysis at the Voivodeship Level*

## 16:15 – 16:30 Conference Closing (Room 20 KB)