

Jakub Ćwięka

Data Analyst | Researcher | Data Scientist

Contact

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09/2001
[Linkedin](#)
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Skills

R, STATA, IBM SPSS

Data preparation, exploratory analysis, multivariate methods

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Data Visualization

Clear, decision-oriented reporting using ggplot, flexplot and others

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Multivariate Methods

Linear & logistic regression, factor, cluster, discriminant analysis, SEM, IRT

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MS Power BI

Interactive dashboards and business data visualization

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SQL

Basic queries and data modification

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Machine Learning

Classification and regression trees, cross-validation, grid-search

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Language

English - Proficient / C1

Polish - Native / C2

About me

Emerging analyst with sociological background, always striving to improve and deliver impactful insights. Combining strong analytical skills and theoretical background, I am able to conduct in-depth, complete analyses starting from data preparation, to fitting a model and visualizing the results. Familiar with R, Stata, SQL, Power BI, ML and Multivariate Analysis best practices.

Education

Master's Degree - Data Analysis and Social Research
Jagiellonian University | 09/2023 - present

Bachelor - Sociology
Jagiellonian University | 09/2020 - 09/2023

Work experience

Mountain biking coach at Young Riders | 06.2022 - 11.2024

In that time I've turned my passion into work, and became a mountain biking coach in a local school. I am grateful for that experience, as I learned many lessons and developed my interpersonal competences. As a coach, my responsibilities were:

- Designing the training programme for several age and skill groups
- Conducting regular training session, during the week as well as on the weekends
- Maintaining contact with clients, informing about upcoming activities
- Planning the season in terms of training camps and trips
- Assisting in development and marketing of the brand.

Account Sales Executive at Decathlon | 04.2023 - 07.2023

Projects

Employee Attrition Analysis and Prediction ([link](#))

End-to-end analysis in R using EDA and ML best practices. Trained a CForest model achieving 96% attrition sensitivity and XGBoost model with 88% overall accuracy & AUC = 0,93. Gained impactful insights on employee attrition patterns.

Workshops on analyzing election polls using correspondence analysis

Led a statistical workshop during Youth Sociology Congress at Jagiellonian University. Presented key aspects of CA and how to apply them in a real world data. Received one of the highest ratings of all workshops.