

ANTONÍN KŘEMENÁK

Czech Republic | linkedin.com/in/antonín-křemenák-5036b6309 | github.com/Kremen29 | analystsdiary.com

Graduate in Social Science Data Analytics (BSc, Palacký University Olomouc, 2026) with hands-on experience in quantitative research, statistical modelling, and end-to-end analytical workflows in R and SPSS. Applied research experience at a leading Czech market research agency, an independently built analytical publishing platform, and an A-graded bachelor's thesis in sports analytics. Former international athlete — ball hockey World Champion — bringing discipline, resilience, and structured teamwork into research settings.

Quantitative Research • Statistical Modelling • R • Data Visualization • Survey Research • Sports Analytics

EDUCATION

BSc in Social Science Data Analytics

2023 – 2026

Palacký University Olomouc, Czech Republic

- Coursework: quantitative research methods, statistical inference (t-tests, ANOVA, regression), generalized linear models (logistic, Poisson, multinomial), hierarchical models and interaction effects, multivariate analysis, social network analysis, psychometrics, data visualization, and data-driven campaign management.
- Bachelor's thesis — Home-Field Advantage in the NFL (2014–2024), defended with grade A: designed and implemented a complete analytical pipeline in R (data acquisition, cleaning, regression modelling) and demonstrated that long-distance travel across multiple time zones significantly reduces home advantage.

High School Diploma in Civil Engineering

2019 – 2023

Josef Gočár Secondary Technical School of Civil Engineering, Prague

- Building design and technical documentation; worked with BIM (ArchiCAD) and AutoCAD.

PROFESSIONAL EXPERIENCE

Research Intern

Jun 2025 – Aug 2025

NMS Market Research s.r.o., Prague

- Contributed to analytical preparation for political experts ahead of the 2025 Czech parliamentary elections.
- Cleaned and analysed large-scale voter-attitude survey data in R and IBM SPSS; prepared visual outputs and analytical summaries used in expert and client presentations.
- Worked on a confidential study of wellbeing and public safety in a Prague district, covering the full workflow from preprocessing to reporting in a politically sensitive research context.

Performance Analyst — Ball Hockey

Oct 2023 – Present

SK Hokejbal Letohrad

- Conducted pre-playoff performance and probability analyses of opposing teams to support tactical decision-making.
- Modelled goal-scoring and conceding probabilities by shooting location, power plays, and game period; currently analysing goalkeepers to identify high-probability scoring zones.

INDEPENDENT PROJECTS

Founder — Analyst's Diary (analystsdiary.com)

Jan 2026 – Present

- Independent analytical platform publishing data-driven articles and podcast episodes on sports analytics, social research, and education.
- Executes the full end-to-end workflow: data collection, statistical modelling in R, visualization in Flourish, and publication; designed and built the website independently.
- Publishes reproducible analytical work on GitHub (github.com/Kremen29), including an automated IIHF match-report pipeline.

TECHNICAL SKILLS

Programming & Software: R (regression, GLMs, hierarchical models), IBM SPSS, MS Excel, Flourish, ATLAS.ti, Git/GitHub

Statistical Methods: Linear, logistic, Poisson and multinomial regression; hypothesis testing (t-tests, ANOVA); multivariate and probability modelling; survey design; psychometrics

Research Competencies: Data cleaning, visualization, reporting, end-to-end analytical workflow, responsible interpretation of politically sensitive data

CERTIFICATES & COURSES

- Leadership Matters — 85-hour certified leadership development programme, American Councils for International Education / Palacký University, supported by the U.S. Embassy (2024–2025); critical thinking, adaptive leadership, and team performance.
- Cambridge English: First (FCE), level B2 — Cambridge University Press & Assessment (2024).
- Elements of AI — machine learning fundamentals and the ethics of AI in social research.
- First Aid Certificate — Czech Red Cross (2025); CPR, emergency response, and basic life support.

LANGUAGES

Czech (native) • English (B2, Cambridge FCE)

ATHLETIC ACHIEVEMENTS — BALL HOCKEY

- Competed from age 7 to 21, including at international level with the Czech national league.
- World Champion (World Cup gold) and member of the World Cup All-Star Team; European Champion; World Cup bronze medallist; Czech Extraliga runner-up.