

Sofija Kaluderovic

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Economics and Finance graduate pursuing an MSc in Data Science at UCL. Passionate about applying analytical and quantitative methods to solve real-world problems. Having lived in five countries, I bring a global perspective and strong adaptability. Open to UK graduate roles and internships from September 2026 (eligible for a 2-year Graduate visa).

EDUCATION

09/2025 – 09/2026 (exp.) London, UK	MSc in Data Science at University College London (UCL) <ul style="list-style-type: none">Elected Course Representative, representing cohort and contributing to course improvementsProgramme accredited by the Royal Statistical SocietyRelevant coursework: Applied Machine Learning, Statistical NLP, Design of Investigations, Stochastic Methods in Finance, Inference at Scale, Statistical Data Science
09/2022 - 05/2025 Rome, Italy	BA in Economics and Finance & in International Affairs at John Cabot University (JCU) <ul style="list-style-type: none">3.92/4.0 GPA, <i>Summa Cum Laude</i> (First Class Honours equivalent)Minor in Business Administration; strong quantitative skills through coursework in Calculus I & II, Linear Algebra, Statistics I & II, Mathematical Statistics, Econometrics, and Applied Data AnalyticsAcademic Representative in Student Government; Secretary in International Relations SocietyAwarded Certificate for 18+ hours of Community ServiceGraduated with Certificate of Academic Excellence in Finance and Accounting and other academic and leadership awards

PROFESSIONAL EXPERIENCE

Finance Work Experience Day – Peel Hunt	10/2025, London, UK
Gained insights into investment banking operations, explored deal structuring, market analysis, and valuation, attended expert-led panels, and networked with finance professionals.	
Resident Assistant – Housing Office, JCU	01/2023 – 05/2025, Rome, Italy
Managed student residences, resolved conflicts, organised events, documented reports, and collaborated with an international team to solve complex problems, including emergency response situations.	
Organising Committee – Eurasia Business & Economics Society Conference, JCU	04/2025, Rome, Italy
Co-organised the conference, managed sessions, coordinated logistics, and facilitated research presentations.	
Conference Supervisor – Splendid Conference & SPA Resort 5*	05/2023–07/2023, Budva, Montenegro
Co-organised conferences, managed logistics, oversaw financial invoicing, and collaborated with cross-functional teams.	

TECHNICAL SKILLS

Programming: R, Python, Stata, SQL
Tools: GitHub, Microsoft Excel (Advanced), Tableau, GIS, MATLAB
Techniques: Data Visualisation, Predictive Modelling, Time Series Forecasting, Regression Analysis
Certifications: Bloomberg Market Concepts (BMC)

LANGUAGES

• **Serbo-Croatian** (Native) • **Russian** (Native) • **English** (Fluent) • **Italian** (Fluent)

PROJECTS

The Dark Side of the Coin: Crypto Adoption & Crime Rates — Stata

Cross-country analysis (2023) using OLS regressions to test associations between cryptocurrency adoption and crime rates, controlling for macroeconomic and law-enforcement variables. Performed bidirectional checks and robustness tests across years; results reveal a positive association across multiple crime categories. Full paper, project presentation and dataset available on GitHub.

PM2.5 & Life Expectancy (US) — R

Analysed state- and county-level PM2.5 and life-expectancy US data (2019–2020). Cleaned and merged multiple datasets (air quality, demographics, geographic coordinates), performed geospatial mapping, and ran OLS regressions to examine the air pollution–life expectancy relationship. Produced reproducible code, visualisations, and a memo. Full materials available on GitHub.

INTERESTS & ACTIVITIES

Member of **Mensa** (high-IQ society, since 2020); Participant, **TOChina Summer School** on Chinese politics and economy (07/2024); Volunteer, **European Innovation for Sustainability Summits** (04/2023 & 05/2024); Delegate, **World Food Forum (FAO)** (10/2023); Winner, **JCU Chess Tournament** (03/2023); Coordinator, **TEDx “Third Self”** event (01/2023)

CREATIVE WRITING & PUBLICATIONS

One of my long-standing hobbies is creative writing. I have been published in two books in Montenegro:

- *Bio jednom jedan virus* — a collection of fictional stories, published by Radio Bijelo Polje (04/2021)
- *U zenitu moguceg* — a collection of poems and short stories, published by NVO Identitet (09/2021)