

Aizat Sagymbaeva

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Education

MSc in Data Science (Expected: June 2027)

Technische Universität Wien

Focus on statistics, machine learning, data engineering, and applied analytics.

BA in Cross-Disciplinary Strategies – Applied Studies in Art, Science, Philosophy, and Global Challenges

Universität für angewandte Kunst Wien

Interdisciplinary studies focused on applied research, quantitative data analysis, and end-to-end project development.

Skills

Programming: Python, R, SQL, SPARQL, JavaScript, HTML, CSS

Data Analysis: pandas, matplotlib, D3.js, Power BI, Tableau, SPSS, Excel

Languages: English (C1), German (B1), Turkish (B2), Russian (C2), Kyrgyz (Native)

Experience

Accounting & Administrative Assistant

Tian-Shan Cosmetics | July 2020 - August 2021

- Maintained, structured, and validated client and financial databases using 1C accounting software
- Executed supplier payments and monitored daily cash inflows and outflows
- Prepared daily financial and management reports, ensuring data accuracy and internal consistency
- Conducted data cleaning and quality control checks affecting payroll and accounting records
- Managed and regularly updated client database and documentation
- Coordinated with the accounting department and supported front-desk administrative operations

Projects

Urban Global Growth Interactive Dashboard | D3.js · HTML/CSS · pandas

- Developed a dynamic multi-view linked dashboard to explore global urban growth trends.
- Identified patterns in urbanisation by comparing calculated growth rates across cities.
- Conducted data wrangling and transformation of dataset (25,000+ entries).
- Implemented interactive features like linking, filtering, sorting, hover tooltips, animated transitions etc.

BA Thesis: Mapping Sectoral Seniority-Based Salary Progression Regulations in Vienna | Power BI · Excel · Figma

- Extracted and structured and standardized wage data from Austrian collective agreements
- Performed data transformation, aggregation, and calculation of progression metrics
- Applied comparative quantitative and qualitative analysis across industries
- Developed interactive dashboard to communicate observable wage mobility disparities
- Ensured data integrity through consistency checks and cross-validation

Applied Research Project: A Data-Driven Approach to Understanding Wage Inequities | Tableau · Excel · Figma

- Compiled and structured sector-level data on working hours and labour costs across Austrian occupational groups
- Conducted data wrangling, transformation, and consistency checks to ensure comparability
- Derived and standardised variables to evaluate labour cost-hours ratios
- Developed data visualisations to communicate cross-sector cost imbalances
- Produced comprehensive documentation outlining methodology, assumptions, and findings