

Gerrit Stahn, PhD

Economist & Data Enthusiast | Translating Data into Insights

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📍 Vancouver, BC

🌐 Gerrit Stahn

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PROFESSIONAL SUMMARY

- Economist and Data Analyst with 7+ years of experience turning large datasets (8M+ records) into actionable insights through statistical modelling, dashboards, and data storytelling.
- Skilled in developing and optimizing data pipelines and ensuring data quality.
- Strong communicator and collaborator with experience presenting analyses to audiences of up to 200 people and working across diverse teams.
- Strong background in economic modelling pipelines (R, Excel, Stata) and scientific communication — from peer-reviewed publication to executive briefings.
- Passionate about the intersection of data and creativity, with a keen interest in applying analytics to the music and entertainment industry.
- Detail-oriented and collaborative with working rights for Canada.

WORK EXPERIENCE

Quantitative Economist

MLU Halle - Chair of Empirical Microeconomics

📅 May 2019 – May 2026

📍 Halle (Saale)

- Designed and managed data pipelines (R, Python) for ingesting, cleaning, analyzing, and visualizing large-scale datasets (8M+ observations).
- Performed deep-dive analyses on policy and behavioural datasets, applying regression, synthetic control, and forecasting techniques.
- Coordinated cross-functional teams and organized large-scale events, leading a team of 14 staff for a 400+ participant conference.
- Developed decision analytic models and briefing materials to communicate complex statistical findings to non-technical stakeholders, including policymakers and health system partners (audiences up to 200).
- Prepared manuscripts for scientific publication and executive reports for dissemination to collaborating institutions and external partners.

Research Assistant

MLU Halle – Chair of Econometrics & Chair of Microeconomics

📅 Jun. 2015 – Apr. 2019

📍 Halle (Germany)

- Performed statistical modelling, data processing, and quantitative analyses on multi-level and panel datasets to support institutional research projects.
- Produced data visualizations, structured summary tables, and reports using Excel, R, and Microsoft Office Suite.

MY STRENGTHS

Critical thinking Motivator & Leader

Resilient Project Management

Data Analytics Forecasting

Reporting Decision Support

WORKING STYLE

- Strong attention to detail when reviewing quantitative information, reports, and analytical outputs.
- Reliable and accurate in handling data, documentation, and complex analytical tasks.
- Experienced in conducting thorough evaluations and follow-up analyses to support decision-making.
- Comfortable working independently while collaborating effectively with diverse stakeholders.
- Committed to producing high-quality work with a strong focus on accuracy and due diligence.

MY TOOL SET

R Python Stata SQL Hugo

Git GIS $\LaTeX$ Excel Markdown

EDUCATION

PhD in Economics

MLU Halle

📅 Dec 2021 – June 2025, Grade: 1.4, A equivalent

MSc in Empirical Economics

MLU Halle | University of Amsterdam

📅 Oct 2016 – May 2019

BSc in Economics

MLU Halle

📅 Oct 2012 – Sep 2016

PROJECTS (SELECTION)

Team Matching Application

[in Development](#) | [Blog Post](#)

- Engineering an automated **team-balancing algorithm** that distributes active players into equitable teams based on **individual Elo scores**.
- Development of an **interactive Python Shiny application** backed by a **persistent SQLite database** to manage player profiles, match histories, and dynamic ratings.
- Implementing a custom **Elo rating engine** featuring **win probability calculations**, **K-factor adjustments**, and weighted score updates.
- Building a reactive UI with **data integrity checks** (duplicate name detection, deletion safeguards) and automated **analytics dashboards** for leaderboards and performance progression.

Dashboard for Ranking German Districts

[on GitHub](#) | [Website](#)

- Developed an **interactive Shiny dashboard** that translates **complex regional data** into an **accessible, user-driven ranking tool**.
- Integrated **40+ district-level indicators** covering **economy, infrastructure, housing, environment, demographics, public services, and regional quality-of-life factors**.
- Built **transparent scoring logic** that allows users to **adjust indicator weights** and define whether each variable should affect rankings positively, negatively, or neutrally.
- Automated **top-20 rankings**, and **visualizations** into a **responsive dashboard** designed for **customizable use**.

Personal Website

[on GitHub](#) | [gstahn.de](#)

- Built and maintained a **personal static website** to present **academic background, data projects, publications, reviews, and professional contact information** in a **structured portfolio format**.
- Implemented the site using **Hugo, Markdown**, and hosted through **GitHub Pages** with a **custom domain**.
- Organized **content in German and English**, demonstrating **clear technical documentation, reproducible site structure, and version-controlled content management**.

CERTIFICATES & LICENCES

- MichiganX: **Getting Started with Python**
- MichiganX: **Python Data Structures**
- IWH: **Machine Learning for Microeconometrics**
- CGDE: **Advanced Econometrics**

HOBBIES

 Boxing  Hiking  Skiing  Gaming  Chess

LANGUAGES

German



English



RESEARCH

- For a full list of peer-reviewed publications, working papers, and ongoing research projects, please visit my [personal website](#).

VOLUNTEERING



T100 & Vancouver Triathlon 2026
Vancouver, BC

- **Aid Station Volunteer:** Delivered on-course support, coordinated hydration logistics, and safeguarded athlete welfare throughout a high-endurance event.
- **Bike Marshall:** Monitored the race course and assisted athletes with navigation to ensure a safe event.



SC 261 Halle (Germany) e.V. (volleyball club)
Halle (Germany)

- Built an **R Shiny application** applying **quantitative methods** to **simplify player management** and ensure **balanced team assignments**.
- Regularly took part in weekly training sessions and competitive matches.



Kixx'n'Trixx Table Football Halle e.V. (table soccer club)
Halle (Germany)

- **Chairperson** (Sep 2019 – Jan 2025)
 - **Revived the club after COVID** by setting clear **strategic objectives**, securing a new venue, and growing membership by 44%.
 - **Designed and coordinated** numerous local and supra-regional tournaments.



Akademischer Börsenkreis, Universität Halle e.V. (student investment club)
Halle (Germany)

- **Chairperson** (Jun 2015 – Jun 2016)
 - **Organized seminars, guest lectures, and networking events** centred on **financial markets**.