

Gerrit Stahn, Ph. D.

Economist & Data Enthusiast | Translating Data into Insights

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📍 Vancouver, BC

in Gerrit Stahn

GStahn

🌐 gstahn.de

PROFESSIONAL SUMMARY

- **Data Analyst and Economist** with 6+ 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, evidence-based work with a strong focus on accuracy and due diligence.

ANALYTICAL TOOLS

R

SQL

Python

Stata

Excel

Git

Hugo (Static Website Generator)

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

- Development of an **interactive Python Shiny application** backed by a **persistent SQLite database** to manage player profiles, match histories, and dynamic ratings.
- Engineering an automated **team-balancing algorithm** that distributes active players into equitable teams based on **individual Elo scores** and **team metrics**.
- 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.
- Added a **second-stage drill-down ranking** that ranks **municipalities**.
- Automated **top-20 rankings**, and **visualizations** into a **responsive dashboard** designed for **customizable use**.

Personal Website

on GitHub | gstahn.de

- Maintaining a **personal static website** content in **German and English** to present **academic background, data projects, publications, reviews, and professional contact information** in a structured portfolio format.
- Built the site using **Hugo, Markdown**, and hosted through **GitHub Pages** with a **custom domain**.

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**.

SOCIAL ENGAGEMENT



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

- Created an R Shiny application to **streamline player management** and ensure **balanced team assignments**, enhancing **training session quality**.
- Participated in weekly trainings and games.



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

- **Chairperson** (Sep 2019 – Jan 2025)
 - Revitalized the club **post-COVID** by securing a new venue and increasing membership by 44%.
 - Planned and organized multiple local and supra-regional tournaments.



Akademischer Börsenkreis, Universität Halle e.V. (Student Investment Club)

- **Chairperson** (Jun 2015 – Jun 2016)
 - Focused on **financial markets, investing, and capital market education**.
 - Organized seminars and guest lectures covering **investment strategies, stock market fundamentals, and economic developments**.
 - Coordinated **networking events** involving students, professionals, and external speakers from the **finance sector**.
 - Managed club activities, event planning, stakeholder communication, and promotional initiatives.
- Active participant in regular discussions of **equity markets, investment opportunities, macroeconomic developments, and market trends**.