



PROFILE

Analytical thinker with a hybrid profile combining data science, analytics engineering and business administration expertise. Proven ability to develop innovative solutions and drive impactful projects.

Passionate about leveraging technology to solve complex business problems and improve decision-making.

PERSONAL INFO

Email:

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CERTIFICATIONS

Snowflake SnowPro Core
Tableau Desktop Specialist
Dataiku Core Designer
Stanford Machine Learning Specialization

SKILLS & TOOLS

Programming Languages: Python, SQL, R, Stata, JavaScript

Tools & Platforms: Snowflake, AWS, Dataiku, Tableau, Docker, Git

Python Libraries: LangChain, OpenAI, NumPy, Scikit-learn, pandas, TensorFlow, Matplotlib, Keras, Selenium, Streamlit.

Frameworks: Django, React

Languages: English/French (native), German (beginner)

Soft Skills: Project Management, Presentation Skills, Leadership, Problem-solving

Tyler R. Kleinbauer, PhD

Data Scientist and Analytics Engineer

WORK EXPERIENCE

ARGUSA SA – DATA SCIENCE AND ANALYTICS ENGINEERING CONSULTANT | from 2023

Machine Learning and Data Science:

- Used advanced yet explainable machine learning models to predict important outcomes and enhance data analytics capabilities for a large international bank.
- Developed two chatbots using Streamlit:
 - Secure Data Chatbot: Securely used Retrieval Augmented Generation (RAG) and open-source LLMs on internal data within Snowflake.
 - Client-facing Chatbot: Proof-of-concept RAG chatbot to answer website visitor questions using OpenAI and Huggingface APIs.

Automation and Data Engineering:

- Developed a Dockerized bot on AWS and Snowflake for automated web scraping, providing daily insights and sharing summaries via Slack.
- Streamlined data processes for a large international bank using Snowpark, automating data ingestion and error monitoring, and improving data accuracy.

Dashboards and Reporting:

- Created role mining dashboards for the IAM department of a multinational luxury watchmaker, reducing user role creation time and enhancing compliance monitoring.
- Led marketing initiatives, including website redesign, social media management, event organization, and creating impactful reporting tools.

Training and Development:

- Conducted highly-rated training courses on Tableau and Tableau Prep, boosting participants' data visualization skills.

UNIL – DATA SCIENTIST AND DOCTORAL RESEARCHER | 2018 – 2022

Machine Learning and Advanced Analytics:

- Specialized in supervised and unsupervised learning, including regression, classification, clustering, and deep learning.
- Conducted dimensionality reduction and data preprocessing for various research projects.

Quantitative Research:

- Analyzed the impact of leadership on U.S. State GDP growth.
- Evaluated ML estimator performance through Monte Carlo simulations.

Project Leadership and Academic Contributions.

- Led multiple research projects from inception to completion.
- Presented research at international conferences and taught courses in Organizational Behavior, Statistics for Causal Analysis, and Leadership.

ALAYA SA – DATA SCIENCE CONSULTANT | 2020- 2021

Data Science Strategy Development:

- Developed strategies for data collection and analysis to assess platform impacts.
- Identified key variables for analysis, enhancing data-driven insights.

EDUCATION

PhD in Economics - University of Lausanne

2018 – 2022 (5.5/6 GPA)

Awards: Rising Leaders Best Paper Award, Prix de la Solidarité Confédérale

Master of Science in Management - University of Lausanne

2015 – 2017 (5/6 GPA)

• Exchange Year - Telfer School of Management, Ottawa, Canada, 2014 – 2015 (5/6 GPA)

Bachelor of Science - University of Lausanne

2013 – 2015 (4.7/6 GPA)