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TECHNICAL SKILLS

Python ●●●●●●

Causal Inference ●●●●●●

Experimentation ●●●●●●

Predictive Modelling ●●●●●●

SQL / BigQuery ●●●●●●

Git / VC ●●●●●●

LANGUAGES

Spanish
Native

English
Professional (C2)

Dutch
Intermediate (B2–C1)

German
Intermediate (B1–B2)

SUMMARY

Decision Scientist with 10+ years of experience in Causal Inference, Experimentation, and Applied Machine Learning. Proven track record designing and deploying causal ML models and contextual bandit systems in production, driving measurable business outcomes. Deep expertise in experimental design, uplift modelling, and behavioural econometrics. Fluent in Python and SQL, with strong cross-functional collaboration skills.

WORK EXPERIENCE

Decision Scientist | Consultant

2025 – Present

Amsterdam Data Collective (ADC)

- Designed and coordinated execution of multiple experiments using contextual bandits to enable personalized campaigns.
- Estimated causal ML models to predict optimal treatment allocation and assisted on taking code to production.
- Business Outcome:** Increased output of marketing campaigns by 9%

Postdoctoral Researcher

September 2023 – August 2025

Universiteit van Amsterdam

- Developed new methodologies for incorporating behavioral insights into Machine Learning models.
- Built and deployed 3 full-stack experimental web apps for online user testing (A/B testing). Including the integration of eye-tracking hardware for lab experiments.
- Mentored 3 Research Assistants on experimental design, data analysis, and academic writing. And supervised 20+ MSc. Students in their experimental research projects.

PhD Studies

September 2017 – March 2023

Researcher

July 2015 – April 2017

Pontificia Universidad Católica de Chile

- Led data analysis for Chile's largest work-insurance firm using big data and predictive modeling to enhance workplace safety.
- Designed behavioral interventions in marketing and Operations, contributing to restructure the company's distribution systems.

Data Consultant

Sept 2014 – June 2015

Globalfolio

- Developed and updated econometric models for financial forecasting.
- Presented results, created reports and ensured proper data management.

EDUCATION

PhD. Economics

2019 – 2025

Universiteit van Amsterdam

Research Master Economics

2017 – 2019

Tinbergen Institute + Universiteit van Amsterdam

Majors: Behavioral Economics & Econometrics

MSc. Economics (Cum Laude)

2013 – 2014

Universiteit van Tilburg & Universidad Católica

BSc. Economics and Business

2008 – 2013

Pontificia Universidad Católica de Chile