



ABOUT ME

Mathematician with a strong background in Probability and Statistics, working as a data scientist and MLOps engineer. I build predictive models and the production systems around them: versioned data, tracked experiments, promotion gates, containerised APIs on Kubernetes and drift monitoring.

Focused on models that stay reliable after deployment, evaluated honestly on unseen data and documented decision by decision, to support strategic decisions and solve meaningful problems.

SOFT SKILLS

- Problem-solving.
- Critical thinking.
- Effective communication.
- Technical writing and documentation.
- Collaboration and teamwork.
- Intellectual curiosity.

CONTACT



www.armandoguar.com



armandoguarnera@outlook.com



[Armando Guarnera](#)



Santiago del Estero, Argentina.



github.com/arguar13

Armando Guarnera

MATHEMATICS / DATA SCIENCE / MLOPS

ACADEMIC BACKGROUND

BACHELOR'S DEGREE IN MATHEMATICS

Universidad Nacional de Santiago del Estero

Probability, Statistics and Mathematical Modelling · 2024

EXPERIENCE

DATA SCIENTIST & MLOPS ENGINEER - PORTFOLIO PROJECTS

Independent · armandoguar.com · github.com/arguar13

2024 - Present

- Built 3 end-to-end MLOps systems (forecasting, predictive maintenance, classification): DVC, MLflow registry, FastAPI, Docker, Kubernetes and Terraform on AWS.
- CI/CD with GitLab CI (OIDC to AWS) and GitHub Actions; promotion gates against naive baselines and drift monitoring.
- 10 more ML, deep learning and analytics projects (PyTorch, boosting, SQL, MongoDB, Tableau), each with a written case study.

TEACHING ASSISTANT - PROBABILITY AND STATISTICS

Universidad Nacional de Santiago del Estero

May 2021 - March 2023

- Supported class planning, execution and delivery.
- Provided personalised assistance to students.
- Designed practical exercises and study guides.

TECHNICAL SKILLS

Statistical Analysis: Descriptive and inferential statistics, linear models, ANOVA and hypothesis testing.

Machine & Deep Learning: Scikit-learn, XGBoost, LightGBM, CatBoost, PyTorch, TensorFlow/Keras, Optuna; time series, vision, clustering.

MLOps: DVC, MLflow, FastAPI, Docker, Kubernetes (Kustomize, HPA), Terraform, AWS (S3, ECR, EKS), GitLab CI, GitHub Actions, Pandera, pytest.

Data Management & EDA: Cleaning, transformation, leakage-free pipelines and exploratory analysis.

Python: Pandas, NumPy, SciPy, Statsmodels, Scrapy, Selenium.

Data Visualization: Tableau, Plotly, Streamlit, Matplotlib and Seaborn.

ADDITIONAL KNOWLEDGE

- SQL (PostgreSQL, star schemas) and NoSQL (MongoDB) database design and optimisation.
- Linux and bash scripting; security fundamentals (ISC² Certified in Cybersecurity).
- Certifications: Johns Hopkins, IBM, HKUST, University of Michigan, Google.