MATTEO R. **GRECO**

Data Scientist • Product Owner • Economist

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in matteo-greco

ⓘ Italian Citizenship - C Permit

Skills

Data processing: database structures, data visualization, pattern recognition, pipeline productionalization, resources optimization

Statistics: causal inference, A/B testing, MonteCarlo simulation, bootstrapping, maximum likelihood, matching, synthetic control, difference-indifferences, DML

Machine Learning: supervised and unsupervised models, NLP, recommender systems

Data Architecture: Azure ML APIs and Pipelines deployment, ML products architecture

Agile: Certified SAFe product owner

Toolbox

Github • Azure DevOps • Azure ML

Azure Databricks • Azure Data Factory

Jira • Confluence • MS Office

Coding

Python: numpy, scipy, pandas, sklearn, XGBoost, LightGBM, pytorch, flaml, EconML, causalml, pytest, Azure SDK V2

PySpark: PySpark SQL, MLLib

R: tidyverse, dplyr, data.table, ggplot2

Misc: yaml, LaTex

Work Experience

Principal Data Scientist - since Jan 24 **SWISS Intl Air Lines**

- Designed experiments for online recommenders.
- Produced rigorous performance measurement (both ATE and CATE) with CI methodologies.
- Sketched and designed data architectures for scalable AI products and standardized performance measurement.
- Played a lead role in Data Science Communities of Practice (e.g. organized hackathon at Microsoft HQ).
- Collaborated closely with business stakeholders to understand and address complex requirements.
- Assumed the role of Product Owner, driving product vision and strategy in agile setup.

Data Scientist - Sep 21 to Dec 23 **SWISS Intl Air Lines**

- Built recommender systems using Azure cloud services.
- Deployed ML models and APIs to production environments.
- Git-based code development and review processes.

Teaching Assistant - Sep 17 to Jan 21 **University of Zurich**

- Lectured, assisted and prepared teaching material for MS.c. level Econometrics core course.

Education

Ph.D. Economics 2016 to 2021 **University of Zurich**

Advisors: *Gregory Crawford*, *David Yanagizawa-Drott*.

Research areas:
- Measuring bias in climate change media representation using NLP and its impact on individual behaviour.
- Assessing negative impact of internet access on attitude towards medical science.
- Causal identification of link between disappearing local newspapers and political polarization

M.Sc. Economics, summa cum laude **Bocconi University**, Italy

B.Sc. Economics **Bocconi University**, Italy

Other

- **Awards**: UBS Full Scholarship for PhD, MSc Graduation Prize
- **Languages**: Italian (native), English (fluent), German (intermediate)
- **Miscellanea**: Former competitive skier, competitive swimmer and athletics trainer. Triathlon beginner. Occasional basketball player. Mountain lover. Passionate traveller. Proud daddy.