

MARCO ZANOTTI

I am a machine learning engineer and data scientist with broad knowledge in time series analysis, forecasting, anomaly detection, and econometrics. I specialized in developing and enhancing business forecasting processes and practices. Over the years I developed and contributed to core forecasting systems in sectors like e-commerce fashion, airline, tourism and travel. I also guided and mentored junior colleagues in developing predictive models that enable accurate forecasting.

I am passionate about advancing the field of forecasting and fostering collaboration between academia and industry. I do academic work in forecasting, and I am a member of the International Institute of Forecasters. Recently I have enjoyed teaching professionals and university students about time series analysis, machine learning, programming, and statistics.




PROFESSIONAL EXPERIENCE


2025
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2024

- **Data Scientist, Forecasting Specialist**
Wanan Luxury - E-commerce Fashion  Rome, Italy
 - Led the company's time series forecasting projects
 - Coordinated and contributed to the development of a forecasting tool to predict future demand for tens of thousands item-level (SKUs) time series across several markets worldwide, and with different product hierarchies, resulting in increased forecasting accuracy and efficiency
 - Integrated probabilistic methods to support more informed inventory decisions
 - Designed and developed an app for evaluating forecasting experiments, enhancing reliability of the analyses
 - Provided mentorship to junior colleagues, supporting their professional growth and development in the field of forecasting






2024
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2021

- **Data Scientist**
Blogmeter (Shibumi Group) - Digital Services  Milan, Italy
 - Integrated machine learning solutions into the main applications of the company
 - Developed an anomaly detection solution to promptly communicate relevant events to the clients
 - Coordinated the Product team

2021
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2020

- **Data Scientist**
T-Voice (Triboo Group) - Digital Services  Milan, Italy
 - Contributed to the development of an AI platform for the analysis of textual data
 - Effectively incorporated text data into forecasting models
 - Coordinated the R&D team

Contacts

 [marcozanotti](#)
 zanottimarco17@gmail.com
 [gh-marcozanotti](#)
 [in lk-marcozanotti](#)
 +39 334 9808108

Core Skills

High experience in time series modeling and forecasting, ML modeling and text mining

Languages

Italian	
English	
French	

2020
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2017



Junior Data Scientist

Uvet Amex GBT - Tourism and Aviation

📍 Milan, Italy

- Developed and maintained diverse statistical and machine learning models to predict: sales at different aggregations to support strategic decisions; daily inbound calls to optimize scheduling hours; air passenger demand over several destinations to support aircraft planning; business car rental demand to support fleets management
- Successfully improved the approach to forecasting, resulting in a significant reduction of errors and facilitating the faster adoption of machine learning solutions by the business
- Implemented an anomaly detection system to signal possible congestions in the company's reservation systems
- Developed econometric models to measure key drivers of business travel and tourism
- Supported automation processes implementing OCR solutions



TEACHING EXPERIENCE

current
|
2019



Adjunct Professor

I teach [modern time series forecasting](#), [machine learning](#), [coding](#), and statistics in both Master and Bachelor degrees at the University of Milan, and in other major Italian universities

current
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2019



Professional Trainer

I offer consultancy and training about forecasting, machine learning, and the development of business specific statistical models. I helped several companies, like Luxottica, Mediaworld, and Blue Panorama Airlines, to improve their forecasting processes and tools



PUBLICATIONS

2026



On the forecast stability of global forecasting models

University of Milano-Bicocca

2026



Do global forecasting models require frequent retraining?

University of Milano-Bicocca

2021



[dispositionEffect](#)

CRAN, R Software

Programming

R

Python

Bash

BI & Visualization

Shiny

Databases

SQL

InfluxDB

MySQL

PostgreSQL

Big Query

Versioning

Git

GitHub

GitLab

BitBucket

CI / CD

GitHub Actions

Codecov

Jenkins

Cloud

Google Cloud Platform

Amazon Web Services

Project Management

Jira

Asana

Operating Systems

Linux



CONFERENCES & SEMINARS

- 2026 • **On the forecast stability of global forecasting models**
International Symposium on Forecasting 📍 Montreal, Canada
- 2025 • **Do global forecasting models require frequent retraining?**
International Symposium on Forecasting 📍 Beijing, China
- 2021 • **Computing Disposition Effect on Financial Market Data**
useR! 2021 Conference 📍 Remote



EDUCATION

- 2026
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2022 • **Ph.D., Statistics**
University of Milano-Bicocca 📍 Milan, Italy

Research on time series forecasting, cross-learning, forecasting stability, time series foundation models (LLMs), and sustainable AI
- 2018 • **Post-graduate, Data Science for Economics, Business and Finance**
University of Milan 📍 Milan, Italy
- 2017
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2015 • **M.Sc., Economics and Finance**
University of Milan 📍 Milan, Italy

Grade: 110/110 cum laude
- 2014
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2011 • **B.Sc., Political Sciences and International Relations**
University of Parma 📍 Parma, Italy
ERASMUS, University of Lapland, Rovaniemi, Finland

Grade: 104/110



PERSONAL COMPETENCES

- **Organisational and Management**
 - Project management: I coordinated the development of different projects, from analysis to implementation
 - People management: I coordinated the activities of junior colleagues, supervising and guiding in their professional development
 - High relational and communication skills
 - High resistance to stress
 - Since 2020 I proficiently work from remote

Certificates

- [High-Performance Time Series Forecasting](#), BS University
- [Time Series Analysis](#), CAC IIT
- [Python for Machine Learning and APIs](#), BS University
- [Python for Data Science Automation](#), BS University
- [Shiny Web Applications](#), BS University
- [Macroeconometric Forecasting](#), IMF

Sports & Hobbies

I was a footballer. I played in Italian minor championships until 22. Now I practice kitesurf, an amazing waterboard sport, and I do canicross with my little friend Milo.

I like manga, boardgames, curling and footgolf.

Made with R and [pagedown](#).

Last updated on March 2025