# Luca Varotto

M.Sc. Statistics Candidate · Available from August/September 2026

(+39) 320 725 7300 | Piove di Sacco (PD), Italy | lc.varotto@gmail.com
lucavarotto.github.io | github.com/lucavarotto | linkedin.com/in/lucavarotto

## Professional Profile

M.Sc. Statistics candidate at UniPD, with a strong focus on Machine Learning and Data Science. Experienced in turning complex datasets into **strategic insights**, covering the full pipeline from data collection (web scraping) to predictive modelling and AI-driven solution deployment. Seeking a dynamic role as **Data Scientist**, Data Analyst, or Data Engineer where statistical rigour and Artificial Intelligence can be leveraged to tackle real-world business challenges.

## Work Experience

**Tutor & Laboratory Assistant** — *UniPD* Sept. 2025 – Jun. 2026

- Delivered optional tutoring sessions for undergraduate students in **Mathematical Analysis**, **Computer Systems I**, and **Data Structures & Programming**;
- Served as laboratory assistant for **Computer Systems I** (Prof. Salmaso) and **Data Structures & Programming** (Prof. Menegatti and Zennaro): provided hands-on support during practical exercises and reinforced theoretical concepts.

## Education

**Master's Degree in Statistics** — *UniPD* Oct. 2024 – Expected Graduation: Sept. 2026

*Relevant Academic Projects — Ongoing ( github.com/lucavarotto):*

- **Bio-Analytics (Nostoc)**: statistical analysis of experimental data to isolate the impact of cultivation factors on biomass growth using dedicated statistical models;
- **Vinted Market Intelligence**: end-to-end web scraping pipeline integrated with AI models to extract and analyse business KPIs from the e-commerce platform.

**Bachelor's Degree in Statistics for Technologies and Sciences** — *UniPD* Oct. 2020 – Sept. 2024

**Final Grade: 107/110** | *Thesis: Application of Classification Models in the Evaluation of Football Performance: Expected Goals and Expected Points.*

*Relevant Academic Projects ( github.com/lucavarotto):*

- **Academic Classifier (NLP)**: built a dataset via web scraping and trained an NLP classifier to map course descriptions to their respective academic departments;
- **Next-Gen Search**: developed a hybrid Information Retrieval engine, optimising the BM25 algorithm through clustering and k-NN techniques.

## Skills

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| **Technologies** | R, Python, SQL, Microsoft Excel, Git/GitHub, AnyLogic |
| **Hard Skills** | Statistical Modelling, Machine Learning, Statistical Inference, Big Data Analysis, Time Series Analysis, NLP, Web Scraping, Optimisation, AI & Forecasting |
| **Soft Skills** | Public Speaking, Intellectual Curiosity, Problem Solving |
| **Languages** | Italian (Native speaker), English (B2) |