



Lidia Scudiero

Junior Data Scientist | Data Analyst

Contact information

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Profile

Big Data and AI graduated, with experience in data science and applied research. I build analytics pipelines from data cleaning and feature engineering to dashboards and report. I am particularly interested in using data, AI and behavioural insights to support evidence-based decisions in complex technical environments.

Key Achievements

Preselected for ESA Graduate Trainee (**Data Quality**), 2026 **European Space Agency**

Merit-based Scholarship (2017–2021), University of Campania "Luigi Vanvitelli"

Awarded for **academic excellence** and **high academic performance** during university studies.

Technical Skills

Programming: Python, SQL

Data analysis and BI: Advanced Excel, R, SPSS, Visual Studio, Streamlit, DuckDB

Data science Tools : Pandas, Numpy, Scipy, Matplotlib, Seaborn, Altair, Folium, Plotly, scikit-mobility, Shapely, OSMnx, networkx

ML and AI : Scikit-Learn, Keras, TensorFlow, sktime, NLTK, Spacy(NLP)

Neuroscience and Signal Processing: MNE-Python, PyLSL

Web and Data Crawling: Selenium, BeautifulSoup

Generative AI: Hugging Face, Mistral, Cohere

Collaboration and other tools: Notion, Docker, Git, Canva, Inkscape, Psyt toolkit, Social media

Languages

Italian – Native, English – Advanced

Interests

Reading, cinema, travel, environmental sustainability, exploring new cultures, photography, blogging, high-tech

Education

Second-level Master in Big Data Analytics and Artificial Intelligence for Society

University of Pisa, 2024–2026

- **Competences developed:** Data mining, Machine Learning, Deep Learning, Data Mobility, Analysis, Data Visualization, Data Journalism, Web scraping, Data Management for Business Intelligence, NLP, Information Retrieval, Social Network Analysis
- **Final grade :** Excellent

MSc in Cognitive Psychology

University of Campania "Luigi Vanvitelli", 2020–2023

- **Curriculum:** Cognitive Neuroscience
- **Final grade:** 110 cum laude

BSc in Psychological Sciences and Techniques

University of Campania "Luigi Vanvitelli", 2017–2020

- **Final grade:** 110 cum laude

Projects

- **IoT Predictive Maintenance:** developed and evaluated **end-to-end predictive maintenance pipelines** for **sensor time-series**, comparing **traditional and deep learning models** and **quantifying** their **limitations** on **noisy**, mostly categorical **data**. Created **dashboards** and **reports** to support **operational decisions**.
- **Cybersecurity Analytics :** analysed cybersecurity datasets combining threat classification, **sentiment and emotion analysis** of Reddit discussions, **knowledge graphs**, **RAG** and social media/**time-series/geospatial** analysis to link attacks, public perception and EU funding priorities.

Professional Experience

AI Alignment Specialist / LLM Evaluator

DataAnnotation Tech (Remote), May 2026 – Present

- Applied **quality control** and **prompt engineering** principles to assess **model outputs**, identifying biases and ensuring alignment with specific **guidelines**.
- Gained hands-on experience in the foundational layer of generative AI data pipelines, directly supporting **evidence-based AI development**.

Data Science Intern

Almawave S.p.A (Remote), September–December 2025

- Conducted a **feasibility study** on **predictive maintenance** for **IoT-enabled ticket gates**, assessing **data quality** and **model applicability** on highly categorical **time-series**.
- Built an end-to-end analytics pipeline (**Python, SQL, DuckDB, Plotly, Streamlit**) for **device diagnostics**, including **data cleaning**, **KPI computation** and **anomaly/outlier detection**.
- Designed **interactive dashboards** and **reports** to **communicate** insights and limitations to **technical and non-technical stakeholders**, and proposed **data-governance** and **alternative monitoring strategies**.

Civil Service Volunteer

Social Services Office, Giffoni Sei Casali , 2023–2024

- Provided **digital assistance** and **front/back office** support, **collecting** and **managing** user **data** for social projects.
- Supported vulnerable people and contributed to basic impact analysis activities, strengthening **teamwork**, **communication** and **problem-solving** skills.

Private Tutor and Web Writer

Salerno, Mondadori S.p.A–formely Banzai media o2.o.it, 2015–2024

- Delivered private **lessons** to primary and secondary **students**, developing strong **communication** and **interpersonal skills**.
- Wrote online articles on **technology**, **science** and **education**, making **complex topics** accessible to **non-expert audiences**.

I authorize the processing of personal data present in the CV.

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