





 Berlin, Germany
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 LinkedIn 
 GitHub 

PROGRAMMING LANGUAGES

- Python
- R
- SQL


SOFTWARE

- Numpy / Pandas / SciPy
- Matplotlib / Seaborn / Plotly
- Pytorch / TensorFlow / Keras
- Scikit-Learn / XGBoost
- LlamaIndex
- Transformers (Hugging Face)
- Git/GitHub
- FastAPI / Weights & Biases

SKILLS

- Exploratory Data Analysis
- Data Visualization
- Regression/Classification
- Decision Trees
- Supervised & Unsupervised Learning
- Hyperparameters Tuning
- Bayesian Statistic/Hypothesis Testing
- Embeddings/Vector Databases
- Large Language Models

EDUCATION

Data Science Retreat 
Berlin (Germany)
06/2023 - 09/2023

Ph.D. Cognitive Sciences
University of Trento (Italy)
11/2008 - 10/2011

M.sc Cognitive Science
University of Trento (Italy)
10/2005 - 09/2008

B.sc Philosophy
University of Genova (Italy)
09/2000 - 10/2005

LANGUAGES

Italian: native speaker
English: proficient
German: basic knowledge

Daniele Didino, PhD

Data Scientist | Data Analyst | Cognitive Science & AI

PROFILE

I am a Data Scientist, holding a Ph.D. in Cognitive Sciences. Proficient in **Python**, **R**, and **SQL**, with **10+ years of experience** in **data analysis** and **machine learning**. I bring a profound understanding of the latest machine learning algorithms, coupled with a deep motivation to apply cutting-edge technologies in real-world scenarios. I enjoy dealing with complex problems and finding solutions. I have significant experience in designing and leading research projects from beginning to completion.

EXPERIENCE

Dailogy — Data Scientist & Co-Founder

December 2023 - Present | Berlin, Germany; Tbilisi, Georgia

Designed and developed an app to enhance communication within couples by leveraging Large Language Models (LLMs).

- Engineered an LLM-powered framework with API client requests to analyze and identify dysfunctional communication patterns.
- Developed tools to evaluate and transform dysfunctional communication into functional dialogue, enhancing interpersonal communication.
- Designed methods to enhance LLM-generated language, ensuring it mirrors everyday communication for a more natural and authentic output.

Humboldt-Universität zu Berlin — Research Group Leader

June 2016 - May 2023 | Berlin, Germany

I successfully implemented and coordinated two research projects focused on mathematical cognition, securing over €550,000 in funding through grant applications.

- Implemented advanced models using Python and R, incorporating Bayesian statistical methods to transform raw data into valuable insights.
- Created and optimized data pipelines for preprocessing, feature extraction, and analysis.
- Developed and presented compelling data visualizations and reports, effectively communicating complex information to both technical and non-technical audiences.

Tomsk Polytechnic University — Postdoctoral Researcher

October 2014 - April 2016 | Tomsk, Russia

Worked as a data analyst in a cross-functional and multicultural team, bridging the gap between economists, computer scientists, and web designers.

- Defined analytical approaches, ensuring robust data collection, preprocessing, and statistical analysis.
- Successfully managed collaborative projects involving universities in Italy and Russia, in partnership with founding institutes.
- Developed and evaluated web-based technologies focused on enhancing well-being, including a tablet-based virtual gym application to mitigate age-related decline.

Burapha University — Postdoctoral Researcher

September 2012 - February 2014 | Saen Suk, Chonburi, Thailand

- Instructed university-level courses on data analysis, focusing on data handling and inferential statistics (hypothesis testing).
- Mentored several Ph.D. students in their research projects, guiding them in advanced data analysis techniques.