

Francesco Cellitti

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Education

PhD	Sapienza University of Rome , Statistical Sciences	November 2025 – Ongoing
	<ul style="list-style-type: none"> • Research project: Analytical insights into sex and gender differences in exposure to environmental contaminants and health consequences of the population of the Basilicata region • Other project: Modeling Genotyping Process on Pangenome Graphs using State Space Models. 	
MSc	École Nationale De La Statistique Et De L'analyse De L'information , Smart Data Science	August 2023 – September 2024
	<ul style="list-style-type: none"> • Final Grade: 16.7/20 • Thesis topic: Traffic forecasting: an application on A90 highway 	
MSc	Sapienza University of Rome , Statistical Methods and Application	October 2022 – October 2024
	<ul style="list-style-type: none"> • Final Grade: 110/110 with honors • Thesis topic: Traffic forecasting: an application on A90 highway (Double Degree Program) 	
BC	Sapienza University of Rome , Statistica Gestionale	October 2019 – October 2022
	<ul style="list-style-type: none"> • Final Grade: 108/110 • Thesis topic: Statistical analysis of food insecurity (FIES) during the COVID-19 (High Frequency Phone Survey) 	

Experience

BIP , Data Scientist		Rome, Italy
	<ul style="list-style-type: none"> • Engaged in a diverse work environment, collaborating with colleagues from varied backgrounds on shared tasks; • Developed ML algorithms for predicting traffic flow and average speeds; • Applied and developed Generative AI solutions (working with cloud services like Azure) 	April 2024 – November 2025
Analisi-Statistiche.it , Statistician Intern		Rome, Italy
	<ul style="list-style-type: none"> • Conducted research projects on diverse topics, specializing in medical research using R and SPSS; • Proficiently managed supplier relationships; • Instructed applied statistics and statistical models, enhancing analytical and results-writing skills 	November 2022 – May 2023

Language Skills

- **Italian:** mother tongue
- **English:** proficient user (completed Double Degree in English)
- **French:** Intermediate user
- **Spanish:** basic user

Digital Skills

- **Statistics:** R (Advanced), SPSS (Advanced), Matlab (Intermediate), Gephi (Intermediate)
- **Programming & Database:** Python (Advanced), MySQL (Advanced), Spark (Intermediate), MongoDB (Intermediate), Azure (Intermediate), Hadoop (Intermediate), Flutterflow (Basic)
- **Office:** Excel (Advanced), PowerPoint (Advanced), Word (Advanced)

Projects

Machine Learning for Credit Scoring

2024, Confidential

- Applied machine learning models for loan prediction using rejected inference methods with YOUUnited company.
- Tools Used: Python

Bayesian Inference for football prediction

2023, [Repository](#) 

- Applied computational statistics for studying the convergence behaviour of the estimators through a Bayesian Graphical Model
- Tools Used: RStudio, Jags

Italian Parliament: what do they talk about?

2023, Confidential

- Applied a graphical bayesian model for understanding the behaviour of Italian politicians
- Tools Used: Python, RStudio