

# GIAN MARIO SANGIOVANNI

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in [GIAN MARIO SANGIOVANNI](#)

## EDUCATION

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- PhD** | *Methodological Statistics* Nov. 2024 - date  
Sapienza, Università di Roma Rome, Italy
- Master's Degree (double degree)** | *Statistical methods and applications* | **Data Analyst** Sep. 2022 – July 2024  
**Final Grade: 110/110 cum laude**  
Sapienza, Università di Roma  
-Thesis title: Document clustering techniques: comparative analysis and development of a novel approach  
- Main subjects: Stochastic Processes, Bayesian Statistics, Computational Statistics and Machine learning Rome, Italy
- Master's Degree (double degree)** | *Mathématiques, Apprentissage, Sciences et Humanités* Sep. 2023 – date  
Université Paris Dauphine  
-Thesis title: Bayesian modelling of football outcomes.  
- Main subjects: Monte Carlo Markov Chains, Bayesian Statistics and LLM Paris, France
- Bachelor's Degree** | *Statistics, Economy and Society* | **Final Grade: 110/110 cum laude** Sep. 2019 – July 2022  
Sapienza, Università di Roma  
-Thesis title: Catene di Markov ed applicazioni ai metodi Monte Carlo.  
- Main subjects: Probability, Statistics and Demography. Rome, Italy
- Science High School** Sep. 2014 – July 2019  
Liceo Scientifico Statale Aristotele (*Cambridge IGCSE*)  
- Main subjects: Mathematics, Physics and English.  
- Following english courses about Geography, Mathematics, Physics, Art and Design.  
- Additional english hours for the lecture "English as a second language" Rome, Italy

## HONORS AND AWARDS

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- Sapienza Honours Programme | Excellence Path** Feb 2024 - July 2024  
Lasted: 200 hours.  
Merit based academic path, working on Topic modelling techniques and the construction of composite indicators.  
Three places per academic year available for the Master's degree at Sapienza University.
- Sapienza Honours Programme | Excellence Path** Feb 2021- July 2022  
Lasted: 150 hours per year (300 hours).  
Merit based academic path, including additional courses and seminars mainly about Statistics and Probability.  
Four places per academic year available for each Bachelor's degree at Sapienza University.

## PROJECTS

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- Is FIFA fair? | R** Nov 2023– Dec 2023  
-Exploring sampling procedures in the FIFA World Cup
- Italian Parliament: what do they talk about? | R, R Markdown, Python** May 2023 – July 2023  
- Creating an *automatic reader* able to detect which were the topics of interest in the Italian Parliament between 2013 and 2020.
- Detecting influence factors of football players market value | R, R Markdown** Dec 2022 – Jan 2023  
-Trying to understand which are the most important influence factors of the market value of a football player using a hierarchical model.

<b>Prediction on NBA players career</b>   R, R Markdown	Nov 2021–Jan 2022
-Analyzing the probability to play more than five years using statistics from their <i>rookie</i> year through advanced multivariate models.	
<b>Analysis of BES markers</b>   SPSS	May 2021–June 2021
- Focus on the political and labour indicator with a multivariate approach	
<b>Research about migration in Italy</b>   Excel, R	April 2021– June 2021
- Analysis of man immigrants flow in Italy from 2017 to 2019 through gravitational models.	

## PROFESSIONAL EXPERIENCE

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<b>Internship ISTAT</b>	Mar 2024 - Jun 2024
Analysis of Italian tweets of second semester of 2020 ( COVID period) to find out which were the main ideas about migration, using topic modelling techniques (LDA, CLDA, NMF, TOP2VEC, BERTopic)	
	Rome, Italy
<b>Private Teacher</b>	2019 – date
Helping universities students in Mathematics and Statistics	
	Rome, Italy
<b>Course Council student representative</b>	April 2023 - July 2024
Representing students from Statistical methods and application in the Course Council	
	Rome, Italy
<b>Laboratory technician</b>	Jan 2023 - July 2024
Working into an university laboratory helping students.	
	Rome, Italy
<b>Stats Under the Stars Hackathon</b>	Jun 2023 - Jun 2023
12-hours challenge against other 19 teams made up of university students.	
Team name: <b>suppressWarnings()</b>	
	Ancona, Italy
<b>Football referee (AIA)</b>	Sept 2016 – Nov 2019
I followed and overcame a course, then i run matches in minor leagues.	
	Rome, Italy

## PROGRAMMING LANGUAGES AND SOFTWARES

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- R, RStudio, R Markdown, R Jags
- Python
- SPSS, SAS
- SQL, MYSQL
- L<sup>A</sup>T<sub>E</sub>X
- Office Suite (Excel, Word, PPT)

## LANGUAGES

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**Italian:** Native  
**English:** C1  
**Spanish:** A2  
**French:** A2

## SPORTS AND HOBBIES

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I enjoy playing football and practising calisthenics as well as I like visiting museums and reading books. In my freetime I also like travelling in order to discover different cultures and places.