Gianrico Di Fonzo

Statistician

Education

Nov/2019–Present	**PhD, Statistical Methodology**, *University "La Sapienza"*, Rome. MAIN COURSES: Environmental Epidemiology, Multivariate Inference, Deep Learning and Generalized Linear Model
2016–2019	**Master's Degree, Statistic for decision making Vote:110 (e lode)**, *University "La Sapienza"*, Rome. MAIN COURSES: Big Data Analytics, Bayesian Data Modeling, Clinical Trial Analysis, Earth Observation Model, Monte Carlo method.
2016–2017	**International Double Degree (Italy-France), Mathématiques appliquées**, *Paris Dauphine*, Paris. MAIN COURSES: Bayesian Statistic, High Dimensional and Non Parametric Statistic, Monte Carlo.
2012–2015	**Bachelor's Degree, Statistica Decisionale**, *University "La Sapienza"*, Rome. MAIN COURSES: Statistical Methodology, Predictive Modeling, Data Mining, Data Modeling.
2007–2012	**High School Diploma**, *Liceo Scientifico Leonardo Da Vinci*, Terracina.

Master's thesis

title	*Agricultural Land Use: A Remote Sensing Approach For Classification*
supervisors	Pierpaolo Brutti, Elisabetta Carfagna

Double Degree thesis

title	*Testing Hypotheses Via a Mixture Estimation of Autoregressive Processes*
supervisors	Christian P. Robert

Bachelor's Thesis

title	*Collinearity: A Measure For Diagnostic*
supervisors	Cecilia Vitiello

Work Experience

Vocational

Jul/20– Present
Statistical Ministry Official, *Ministry of Public Health*, Rome, Project.
Working in a team, developing national indicator about the regional performance in public health (DGPROG).
ACQUIRED SKILLS: Team Working, Public Health Statistics, Statistic Indicator, Risk Adjustment.

Sep/20– Nov/2020
Lecturer in Statistics, *ELIS, Rome*, MIDAS: Master in IOT and Data Science.
Teaching statistical inference and data management to a class of twenty students.
ACQUIRED SKILLS: Class Speech, Course Schedule Design.

Apr/2019– Nov/2019
Statistical Researcher, *Dipartimento di Epidemiologia del Servizio Sanitario Regionale ASL Roma*, Rome, Project.
Working in a team, Modelling environmental epidemiology about heat waves and air pollutant concentration exposure .
ACQUIRED SKILLS: Team working, Environmental epidemiology, Modellling and machine learning, Health Statistic.

Oct/2017– Apr/2018
Data Analyst, *Joint Service*, Rome, Internship.
Working in a team, Modelling Fraud detection for public institution and management of SQL database.
ACQUIRED SKILLS: Team working, Fraud Modelling, Database management.

May/2017– May/2017
Earth Observation Model, *ESRIN ESA*, Frascati, Italy, .
Internship: Intensive Lessons about Statistics applied to Earth Observation with Snap.
ACQUIRED SKILLS: Snap software ESA, Earth Observation Model.

Apr/2017– May/2017
Big Data Modelling, *University "La Sapienza"*, Rome, Massimiliano Tommasi, Software Engineer at DataStax.
Conference and Case Study: Studying Big Data Modeling with Apache Cassandra and an implementation of a Recommendation System for the client based on Instacart supermarket data with Apache Spark and Neo4j .
ACQUIRED SKILLS: Real Big Data, Big Data Modeling, Apache Cassandra.

2015–2018
Tutor and Orienteering, *University "La Sapienza"*, Rome.
University Cooperation Scholarship: Sponsor and Vocational Orienteering for the Faculty choice.
ACQUIRED SKILLS: Teamwork, Project Development and Communication.

2014
Statistical Analyst, *Conservatorio Licinio Refice*, Frosinone, Italy, .
Executed an entire statistical analysis based on the elaboration of surveys of the European "Working With Music" project. Results are translated and published in two languages.
ACQUIRED SKILLS: Statistical Analysis Design, Data Entry, Data Elaboration.

Prizes and Awards

Nov/2019
Scholarship Contest for Young Statisticians, *United States Department of Agriculture (USDA)*, India-New Delhi, Scholarship.
ICAS VIII conference and two-day training seminar on Methodology for Agricultural Censuses and Surveys.
ACQUIRED SKILLS: International Group Working Principles of a Statistical System, Planning for Agricultural Censuses and Surveys, Questionnaire Design, Use of Agricultural Data, Sampling Frames and Sample Design, Framework for Data Collection Operations and Editing, Analysis and Summarization of Survey Data

2018	**Premium student**, *University "La Sapienza"*, Rome.

"Progetto Ponte" is a University exclusive Honours programme. Working in a team to increase the response rate among young people as well as the quality of the information for new students.
ACQUIRED SKILLS: Learn by Doing, Public Speaking

Publication and Conference

(In Press)/2021	*Spatial Econometric Methods in Agricultural Economics Using R*, Eds. Benedetti, R., Piersimoni, F. and P. Postiglione, CRC Press/Taylor & Francis Group.
Oct/2019	*Stima delle concentrazioni giornaliere di NO2 in Italia per l'anno 2015 attraverso l'uso di modelli "ensemble*, Sezione Metodi, AIE 2019 Catania.

Languages

English	B2
French	A2
Spanish	A1

Computer skills

Statistical Programs	R, Python, SAS, Matlab, SPSS, Stata
Geostatistical program	SNAP, GDAL, ArcGis, QGis
Big Data	Apache Cassandra and Spark, Neo4j, Java
Databaase	Oracle and Windows SQL, NoSQL, CQL
Computer system	Cisco Certificate

Interests

Scout Leader	Scout Group ROMA 139 AGESCI, Italy.Trained chief in a Scout group AGESCI composed by 10 people who organize scout activities for the young between 8 and 21 years old, divided into three age group. Duration: all year round (including Summer camp).
Football	Semi-professional Football Player for more than 10 years
Travel	3 continents visited so far

Extra

o Vounteer Expeience:A.V.O.G. Gemelli Hospital, Rome, Italy.
Joined the A.V.O.G programme that provides support to people without family assistance in the hospital.

o Baby Sport Instructor:Football Baby School, Lenola, Italy.
Baby Coach and Summer Camp organizer for the promotion of healthy life among young people.