PERSONAL INFORMATION

Rosanna Gualdi

Date of birth: 20/03/1994
Nationality: Italian

📍 Bologna, 40133, Italy

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WORK EXPERIENCES

November 2022 – Current	**PhD Student in "Future Earth, Climate Change and Societal Challenges" at the Department of Statistical Sciences "Paolo Fortunati" - University of Bologna** Position related to the research topic "Assessing the Impact of Climate Change on Human Mortality Patterns" within the European Project: Population Dynamics under Global Climate Change – POPCLIMA.
March 2021 – June 2022	**Functional Analyst at TAS Group (Advanced System Technology Group)** Design and execution of product specifications and quality tests, drafting of technical data sheets, customers support for the resolution of critical issues.
Feb 2020 - Sept 2020	**Internship for Experimental Thesis Work at ENEA (National Agency for Technologies, Energy and Sustainable Economic Development)** • Preliminary statistical analysis of the empirical distributions of radioxenon; • Non-parametric statistical analysis of the measured X-ray data at some stations of theInternational Monitoring System; • Test application statistics for the analysis of the atmospheric background andanomalous radioxenon values. The results have been discussed in international conferences. More Details in "Posters and Congresses" section.
Sept 2018 - Feb 2019	**Extracurricular Internship at UNIBO** It has been conducted a statistical survey relating to school education, social changes, educational disadvantages, learning difficulties and children with high potential. (Academic Supervisor: Patrizia Sandri[1]).

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[1] Ordinary Professor of Special Pedagogy, Academic discipline: M-PED/03 Methodologies of Teaching and Special Education, Department of Education Sciences "Giovanni Maria Bertin" - University of Bologna.

EDUCATION AND TRAINING

Feb 2021 – March 2021

Java and Test Engineer Academy
248 hours of academy focused on Java programming. Academy in partnership between Umana S.p.A. and Tas Group S.p.A, funded by "Forma.Temp".

Nov 2016 – Oct 2020

Second Cycle Degree in Statistics, Economics and Business   Level QEQ7
Department of Statistical Sciences "Paolo Fortunati", Alma Mater Studiorum University of Bologna, Italy. Degree Mark: 110/110
▪ Application of quantitative methods for the analysis of large databases;
▪ Acquisition of the main probabilistic techniques for the treatment of random phenomena;
▪ Appliance of statistical methodologies with economic and business studies.
Thesis title "Non-Parametric Statistical Study of Radioxenon Measurements for the Verification of The Comprehensive Nuclear Test-Ban Treaty (CTBT)" (Supervisor: Michele Scagliarini[2], Giuseppe Ottaviano[3], Antonietta Rizzo [4]and Franca Padoani[5]).

Sept 2013 – Oct 2016

First Cycle Degree in Bio-Demographic Statistical Sciences   Level QEQ6
Department of Statistical Sciences "Paolo Fortunati", Alma Mater Studiorum University of Bologna, Italy. Degree Mark: 103/110
▪ Acquisition of methodological skills in designing, processing and interpreting data in order to support decisions in public and private bodies.
▪ Study of population dynamics, with particular attention to the epidemiological, health and environmental fields.
▪ Management of advanced mathematics and computer programming techniques.
Thesis title "Longevity Areas in North-Eastern Italy: An Analysis by Socio-Health Districts" (Supervisor: Alessandra Samoggia [6]and Aldo Paolo Palareti[7]).

LANGUAGES SKILLS

Mother Tongue   Italian

Other Languages

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Interaction	Oral Production	Writing Production
English	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	B1

Levels: A1/A2: Base User - B1/B2: Intermediate User - C1/C2: Advanced User
Common European Framework of Reference for Languages

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[2] Associate Professor, Academic discipline: SECS-S/01 Statistics, Department of Statistical Sciences "Paolo Fortunati"- University of Bologna;
[3] Researcher Physicist, Nuclear Security Division, ENEA Bologna Research Center;
[4] Researcher Chemist, Nuclear Security Division, ENEA Bologna Research Center;
[5] Nuclear Engineer Researcher, Nuclear Security Division, ENEA Bologna Research Center;
[6] Associate Professor, Academic discipline: SECS-S/04 Social Demography, Department of Statistical Sciences "Paolo Fortunati";
[7] Adjunct Professor, Academic discipline: INF/05, Department of Statistical Sciences "Paolo Fortunati".

SOFTWARE SKILLS

- Excellent command of Statistical Software (R, Stata, SAS, SPSS);
- Excellent command of Office Suite (Word Processor, Excel Processor, Presentation Software);
- Excellent command of Statistical Software (R, Stata, SAS, SPSS);
- Excellent command of relational database management system (PostgreSQL, MySQL);
- Excellent command of functional Soap and Rest Test environments (SoapUI, Postman);
- Good command of Java programming, platforms for managing repository and queue manager (Eclipse, GitLab, RFHutil, MQMON);
- Good command of QGIS Software for geospatial analysis.

Digital Competences – Self Assessment European Grid				
Information processing	**Communication**	**Content creation**	**Safety**	**Problem solving**
Proficient User	Proficient User	Proficient User	Proficient User	Proficient User

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment European grid

POSTERS AND CONGRESSES

M. Scagliarini, **R. Gualdi**, G. Ottaviano, A. Rizzo. "*Comparing Nonparametric Change-Point Control Charts for Detecting Radioxenon Anomalous Concentrations*". ENBIS 2022 Trondheim Conference (European Network for Business and Industrial Statistics).

G. Ottaviano, M. Scagliarini, A. Rizzo, **R. Gualdi**, S. Guernelli, C. Sanguigni, L. Ferri, F. Padoani. "*Statistical study of the IMS 133Xe data distributions using both a parametric and a non-parametric method*". SnT 2021 (CTBT: Science and Technology Conference).

G. Ottaviano, M. Scagliarini, **R. Gualdi**, A. Rizzo, F. Padoani. "*Non-parametric study of the radioxenon data distribution, measured at the noble gas stations of the Internal Monitoring System of the CTBTO*". SnT 2021 (CTBT: Science and Technology Conference).

M. Scagliarini, **R. Gualdi**, G. Ottaviano, A. Rizzo, F. Padoani. "*A Distribution-Free Approach for Detecting Radioxenon Anomalous Concentrations*". SIS 2021 (50th edition of the Scientific Meeting of the Italian Statistical Society).

DRIVING LICENCE

B. With own car.

CERTIFICATIONS

General Safety Training according to the s/r agreement of 21/12/11 and 07/07/16;
Project Management Training of 16 hours according to the apprenticeship contract;
Network Protocols Training of 16 hours according to the apprenticeship contract;
Teamwork Training of 16 hours according to the Apprenticeship contract;
Counselling Training Course (Completed the first training year at G.Ri.Fo Counselling recognized by MIUR - Ministero dell'Istruzione e del Merito. Total length: three years).

I authorise the use of my personal data in compliance under D.Lgs. n.196 of 30/06/2003.

Rosanna Gualdi