

Sara Geremia

Curriculum Vitae

[Centro collaboratore dell'OMS](#) -
IRCCS materno infantile "Burlo Garofolo" -
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Education

2021/10/29: **M.Sc. (Magna cum Laude)** in Statistical Sciences - Curriculum Data Science (LM-82), Alma Mater Studiorum University of Bologna; title of the thesis: Automatic assessment of English proficiency levels via language complexity metrics, advisor: Prof. L. Anderlucci.

2021/03/01 - 2021/09/10: **Dissertation Intership Abroad**, National University of Ireland, Galway - School of Mathematics, Statistics and Applied Mathematics; topic: A Supervised Learning Model for the Automatic Assessment of Language Levels in learner English, supervisor: Dr. A. Simpkin;

2019/07/11: **B.Sc. (Magna cum Laude)** in Statistical Sciences - Curriculum Biodemography (L-41), Alma Mater Studiorum University of Bologna; title of the thesis: Uno studio case-crossover sull'associazione tra inquinamento atmosferico da particolato e visite al pronto soccorso pediatrico di Padova per bronchiolite (*A case-crossover study on the association between particulate air pollution and visits to the Pediatric Emergency Department of Padua for bronchiolitis*), advisor: Prof. R. Miglio.

Working Activity

2022/02/23 - current: **Data cleaning, statistical analyses and reports production**, Centro collaboratore dell'OMS dell'IRCCS materno infantile "Burlo Garofolo": *Carrying out the project: 5 per mille, anno 2014 "Lo stato di salute delle donne e dei bambini in Friuli Venezia Giulia e la valutazione dei suoi determinanti"*;

2021/03/01 - 2021/09/10: **Statistical analyses and static and dynamic reports production**, National University of Ireland, Galway - School of Mathematics, Statistics and Applied Mathematics: *Taking part as a trainee in a research project aimed at the automatic assessment of language levels in learner English*;

2019/01/14 - 2019/02/15: **Data cleaning and statistical analyses**, University of Padova - Unit of Biostatistic, Epidemiology and Public Health: *Taking part as a trainee in a research project aimed at assessing the effect of particulate pollution on the occurrence of respiratory diseases in children*.

Conferences

2019/08/21: **ISES ISIAQ 2019 Joint Annual Meeting**, Collaborator to the abstract: *Air pollution particulate matter is associated with Pediatric Emergency Room admissions for bronchiolitis*;

2019/10/19: **YMS 2019 Young Statisticians' Meeting**, Contributed Talk: *Increasing Risk Of Emergency Room Admission For Bronchiolitis In Infants Exposed To Air Pollution*.

Language skills

Italian (*Mother tongue*); **English** (*Listening: C1, Reading: C1, Spoken interaction: B2, Spoken production: B2, Writing levels: B2*); **Portuguese** (*Beginner*).

Digital skills

General skills

Information processing (*Proficient: import, tidying, analyses of health data*);
Communication (*Independent: production of static, dynamical and interactive R Markdown documents, Shiny App development*);
Content creation (*Basic*);
Problem solving (*Independent*).

Program languages

R (*Proficient: Statistical and Machine Learning, Data mining*);
Python (*Independent*);
Stata (*Independent*).

Operating System and software

Tidyverse R packages suite (*Independent*); **Shiny** (*Competent*); **RStudio IDE** (*open*) (*Proficient*); **PyCharm IDE** (*open*) (*Independent*); **GitLab/GitHub** (*Independent*); **MS Windows XP** (*Independent*); **Suite MS Office** (*Proficient*); **Linux** (*Beginner*)

Interests

Trekking and travel;
Capoeira and capoeira musical instruments.