Federica Gazzelloni

✉ fede.gazzelloni@gmail.com

in linkedin.com/in/fgazzelloni   🔗 https://github.com/Fgazzelloni

Summary

As a statistician and actuary with a passion for advanced statistical methods, I have extensive experience in data modeling and analysis, with a focus on public health. My expertise in data visualization and modeling has allowed me to make significant contributions to various areas, including COVID-19 research and the Global Burden of Disease studies. I am proficient in R, skilled in programming languages in general, and knowledgeable about machine learning algorithms, and have experience working with large datasets. I am driven to continue to grow my professional skills and knowledge by challenging my current knowledge, skills, and competencies.

- Towards the path to be a Data Scientist: I have worked on several projects involving data modeling, analysis, and visualization. I have experience working with large datasets and have used R, SQL, and machine learning algorithms to develop predictive models and identify trends and patterns in data.

- Data Visualization: I am proficient in data visualization tools such as RStudio, Tableau, Plotly, and matplotlib, and others, have experience creating compelling visualizations that help stakeholders better understand complex data.

- Technical Skills/Data Analysis: I have extensive experience in data analysis, including data cleaning, data transformation, and data modeling. I am proficient in R and machine learning algorithms, and have experience working with large datasets.

- My Blog: https://federicagazzelloni.netlify.app/
- My Youtube Channel: https://www.youtube.com/@federicagazzelloni

Experience

Mentor - Data Scientist
R4DS Online Learning Community
Dec 2020 - Present (2 years 6 months)
As a mentor for the R4DS Online Learning Community, I have helped individuals improve their data science skills using R through the Slack platform. The community offers several activities for practicing, including using R and RStudio, getting help with any questions that might arise while learning or using R, and sharing the learning of statistics with the opportunity to join book clubs of your choice. Additionally, I have helped members improve their public speaking skills by providing feedback and guidance on their presentations.
With approximately 100 hours of video lectures: https://www.youtube.com/@federicagazzelloni/playlists

Event Organizer
R-Ladies Rome
Jan 2022 - Present (1 year 5 months)
R-Ladies Rome is a local chapter of R-Ladies Global (https://www.rladies.org), an organisation that promotes gender diversity in the R community worldwide. We meetup in person or virtually to learn about the R programming language, algorithms and advanced tools.
Twitter: @rladiesrome

Youtube: https://www.youtube.com/@rladiesrome

Member of the Bioconductor Code of Conduct committee (CoCc)
Bioconductor
Nov 2022 - Present (7 months)

Collaborator
Institute for Health Metrics and Evaluation
Nov 2020 - Present (2 years 7 months)
Data Analytics | Modeling | Excess of mortality | Reporting |

- As a volunteer for COVID19 research, I have contributed to several projects involving reviewing data analysis and modeling. I have used my expertise in data visualization to create compelling visualizations that have helped researchers better understand the impact of the pandemic.

- As a collaborator with IHME for the GBD studies, I have worked on several projects reviewing studies and providing suggestions. I have used my expertise in data visualization to help better understand the impact of various health conditions.

Independent Actuary
Federica Gazzelloni
Oct 2006 - Present (16 years 8 months)
- data analytics with the support of RStudio for Covid19 pandemic outbreak and other statistics.
- cyber security leakages in business environments.
- Teacher/Professor for UET short-term teaching of excel best practices.
- volunteer for the actuarial professional body both in Italy and the UK.
- actuarial analyst in the UK pensions industry: transfer options and checks of pensions schemes.
- research activity for clients such as The Italian Federation of the Credit Cooperative Bank, including sensitivities and application of the International accounting standards.
- networking and marketing for business development.

Event Organizer
R-Ladies D.C.
Nov 2021 - Dec 2022 (1 year 2 months)
Co-organize e-learning events for R users and developers.
- My workshop about How to Spatial Modeling with R on Youtube: https://www.youtube.com/watch?v=oYRnA-8ncPU

Education

LUISS Business School
Administration, Finance and Control (AFC), Executive education - Finance
2019 - 2020
Topics:
- Financial statement fundamentals
- National and international accounting standards

- Financial statement analysis Preparation of the consolidated financial statements
- Career Advisory
- Corporate taxation
- Management, planning and control systems
- The cost analysis The elaboration of the Budget Webinar available soon
- Performance measurement and reporting Financial structure and treasury management
- Financial planning
- Investment evaluation and Capital Budgeting
- Company valuation and extraordinary finance operations
- Derivatives Risk Management

Sapienza Università di Roma
Mathematics, Courses of Mathematics
2015 - 2016

Sapienza Università di Roma
Statistics and Actuarial Science (SSA), Actuarial Science
1997 - 2003

Dipartimento di Scienze Statistiche - Università di Roma "La Sapienza"
Diploma of Statistics, Courses of Statistics
1993 - 1997

Licenses & Certifications

The Future of Performance Management - LinkedIn

COVID-19 Contact Tracing - Johns Hopkins University Advanced Academic
Programs
2VBZ7XL9NMW3

**Emerging respiratory viruses, including COVID-19: methods for detection,
prevention, response and control** - World Health Organization
xedim-zoriv-nerep-titas-hezat

Lazio senza Mafie Summer School - Regione Lazio

Matlabacademy - MATLAB Onramp - MathWorks

How to Write and Publish a Scientific Paper (Project-Centered Course) - École
Polytechnique

MATLAB Fundamentals - MathWorks

COVID19 Data Analysis Using Python - Coursera

Professionalism E-Modules: The CAS Course on Professionalism - Certificate - Casualty Actuarial Society

Introduction to Statistics & Data Analysis in Public Health - Imperial College London

HarvardX: PH525.1x Statistics and R - HarvardX - An Online Learning Initiative by Harvard University through edX
fdd8fd461f79437d93d3dfdfeb7c46cf

Harvardx PH525.2x Introduction to Linear Models and Matrix Algebra - HarvardX - An Online Learning Initiative by Harvard University through edX
15f9dc020c174bd388d75afa04df53f7

Infectious Disease Modelling Specialization - Imperial College London
TD6QQLMHM5JG

Epidemics - the Dynamics of Infectious Diseases - Penn State University
MJMAXDNDLL9G

Biostatistics in Public Health Specialization - Johns Hopkins Bloomberg School of Public Health
7JG7DKUDKTDN

Introduction to Machine Learning - Duke University | Coursera
7B7A6V677SPF

Data Science: Foundations using R - The Johns Hopkins University
a2fe2b14e4594da0622a276d621d4ab5

edX Verified Certificate for Statistical Inference and Modeling for High-throughput Experiments - edX
eb7949cb754d4e28bfd441f1fc0786c2

Practical Machine Learning - The Johns Hopkins University

F86T9ZC4QYB8

Developing Data Products - The Johns Hopkins University
b5769d95f0cd19383bf7b17493040c3c

Skills

Modeling • RStudio • R Shiny • Software as a Service (SaaS) • Data Visualization • Data Analysis • Public Relations • Actuarial Science • Life Sciences • Statistics