

Giammarco Quaglia

Curriculum Vitae

About

Name and Surname:
Giammarco Quaglia

Languages

Italian (mother tongue)
English (IELTS ac. 7.5)
Spanish (A2)

Programming

Python
(Jupyter, APIs,
pandas, matplotlib,
PyMongo, NetworkX,
numpy, scikit-learn)
R, RStudio, C, JS,
PostgreSQL, MySQL,
sqlite, MongoDB,
Robomongo,
Linux shell, gnuplot,
ECJ, COCO, Weka,
Netkit, Starlink,
SPSS, ArcGis Pro,
ERDAS ERmapper,
MS Office, LaTeX,
IBM Cognos Analytics,
IBM Watson Analytics,
IBM Watson Analytics
for Social Media,
Google Analytics,
RapidMiner, Tableau.a

Education

2015-2018 **M.Sc. Data Science**

Sapienza University of Rome (Italy)
Heriot Watt, University of Edinburgh (UK)
University of Melbourne (Australia)

Thesis: "*Advanced Quantitative Methods for the Analysis of Education, Research and Innovation. Micro and Macro Empirical Evidences*".

2010–2015 **B.Sc. Physics**

Sapienza University of Rome (Italy)
Max Planck Institute for Radio Astronomy, Bonn (Germany)

Thesis: "*Physical processes in binary stellar systems with gamma emission: the case of LSI +61°303.*".

Publications

- 2020 *The use of web analytics combined with other data streams for tailoring on-line vaccine safety information at global level: The Vaccine Safety Net's web analytics project.* Vaccine
Gesualdo, Francesco & Marino, Francesco & Mantero, Jas & Spadoni, Andrea & Sambucini, Luigi & Quaglia, Giammarco & Rizzo, Caterina & Sahinovic, Isabelle & Zuber, Patrick & Tozzi, Alberto. Vaccine. DOI: 10.1016/j.vaccine.2020.07.070
- 2019 *Matching Education and Scientific Specialization of European Universities: a Micro-based Country Level Analysis.* ISSI 2019
G. Catalano, C. Daraio, G. Quaglia. Proceedings of the 17th ISSI.
- 2018 *Assessing the Interdependencies between Scientific Disciplinary Profiles at the Country Level: further insights from InCites.* Springer
C. Daraio, F. Fabbri, G. Gavazzi, M.G. Izzo, L. Leuzzi, G. Quaglia, G. Ruocco.
- 2017 *Assessing the Interdependencies between Scientific Disciplinary Profiles at the Country Level: a Pseudo-Likelihood Approach* ISSI 2017
C. Daraio, F. Fabbri, G. Gavazzi, M.G. Izzo, L. Leuzzi, G. Quaglia, G. Ruocco. Proceedings of the 16th ISSI.

Work Experience

- 12/20-11/21 **Sapienza University of Rome, Rome** ISSI
Temporary research fellowship. Probabilistic graphical models for the research performance assessment.
- 11/19 - 3/23 **Sapienza University of Rome, Rome** Sapienza
PhD in Industrial and Management Engineering at DIMA Department of Mechanical and Aerospace Engineering.
- 4/19 - 9/19 **Ubiquim Code Academy, Barcelona** Ubiquim
Mentoring data science students working on their bootcamp projects covering: Customer Segmentation, Sales Forecasting, Cross-Selling, Energy consumption forecasting, Indoor locationing through Wi-Fi fingerprints, Sentiment Analysis. Both with relational and NoSQL data using mainly R and Python coding languages.
- 10/18-9/19 **Ospedale Pediatrico Bambino Gesù, Vatican City** OPBG
Researcher at the innovation and clinical trials unit. Projects: VSN, i-Consent, MHMD.
- 7/19-9/19 **Sapienza University of Rome, Rome** ISSI
Temporary research fellowship. Development of data quality methods for research assessment. Results published in proceedings of ISSI 2019 (17th International Conference on Scientometrics & Informetrics).
- 9/18-3/19 **Sapienza University of Rome, Rome** i3s
International students buddy at the Faculty of Information Engineering, Informatics and Statistics (i3s). Welcoming, orientation and sorting student's mobility documentation.
- 9/2018 **Sapienza University of Rome, Rome** Data Science MSc
Lecturer and coordinator of the python crash course for freshmen of the MSc in Data Science, academic year 2018/19.
- 04/18-8/18 **SmartLabs, Rome** SmartLabs
Social network analysis; Sentiment Analysis; Blockchain, training and applications development; talks for AIEMS (Associazione Italiana di Epistemologia e Metodologia Sistemiche)
- 1/18-2/18 **Sapienza University of Rome, Rome** DIAG
Temporary research fellowship. Data analysis for the RISIS project, Department of Computer, Control, and Management Engineering (DIAG)
- 10/17-5/18 **Bluethumb, Melbourne** Bluethumb
Data analysis for the online art gallery Bluethumb. Databases consistency tests and reports; Price-wise upload to sold artworks ratios analysis with related data visualizations; State-wise analysis of the artists' performances.
- 05-08/2017 **Hobspot App, Melbourne** Hobspot
[Internship] Analysis and characterization of user behavioural data to design/improve recommendation tools and create new strategies to increase the number of users of the recently born platform.
- 11-12/2014 **Max Plank Institute for Radio Astronomy, Bonn** Radio Astronomy MPI
Exchange research internship for Bachelor Thesis "Physical processes in binary stellar systems with gamma emission: the case of LSI +61 303": timing analysis on radio and gamma-ray data of the binary stellar system LSI +61°303 using the starlink package, comparing properties of the source at low and high energy.