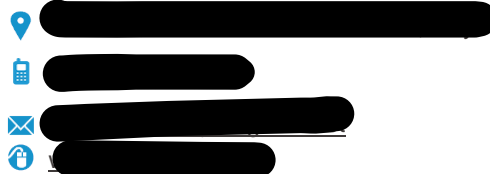


## PERSONAL INFORMATION

Giacomo Galiazzo



JANUARY 2023

## Data Science Consultant and Software Developer

PROFESSIONAL  
EXPERIENCE

2017- present

## Freelance Consultant

I work as consultant and freelance IT developer. My fields of application are:

- Customer Relation Management (CRM) and Business Intelligence Dashboards (often over third-party CRM)
- Mobile and Web Applications
- Scientific and Financial Software

This is the list of the last projects I worked (alone or with a team):

- Social Web Platform for Virtual Professional Driver: organization of teams with engagement of ranked pilots, setting of endurance race events with realistic conditions, real-time events management with stint managements and real time team communication (NET.Core, Vanilla JavaScript, MySQL, Linux).
- Desk Tool for provisioning, budgeting and forecasting Real Estate Constructions Company (multiple what-if scenario and reporting).
- Web tool for an alternative calculus of bioage (integrating several data source like personal, morphological and biometric data, hormones, lifestyle).
- CRM for beauticians with an AI chat integrated in whatsapp for customers management (all the customers experience is within whatsapp chat).
- Business Intelligence suite for pharmacies that collects millions of data points from hundreds of individual CRMs of pharmacies within Italy and provides ad-hoc KPIs based on pharmaceutical protocol (in order to optimize the sales of over the counter medications without prescription and minimize logistical costs) (NET.Core, Python, Vanilla JavaScript, MySQL, Linux).
- Caregivers CRM Cloud Service with AI that helps with the best allocation of medical services (NET.Core, Julia, MySQL, Linux).
- Insurance CRM for independent broker associations allowing insurance companies to generate their own company page and brokers to create their own profiles, providing features such as certified digital delivery and communication for Public Administration (NET.Core, Python, MySQL, linux).
- Web application for bank and bank service reviews; geolocalization of bank and bank services, search engine with multiple functions (fastest loan, closest mortgage, etc), custom ranking algorithm (Node.js, GraphQL, ElasticSearch, Vue.js, MongoDB, Linux).

- Web dashboard for broadcast of digital signage (Python, MySQL, Linux).
- Web application for secure streaming of events (for Public Administration) with streams of data compliant with GDPR and anti-sniffer technology; this allows data stream package protection in order to deliver to the correctly authenticated device and user (NET.Core, MySql, Amazon S3, Redis, Vanilla JavaScript).
- Development of expert advisor algorithms for MetaTrader Platform (Forex CFD) for private and enterprise customers (C, C++, MQL, Python, NET.Core).
- Extract, Transform and Load (ETL) and reporting for stock market financial trading (API for streaming data, async data transformation, etc.) (Python, Spark for ML).

## 2018- 2020 Contract Professor

Bologna University

- Contractor Professor for the “Laboratory of Statistical Software for Business” in “Magister Degree in Statistical Sciences” (Laurea Magistrale in Scienze Statistiche).
- During the course I taught different statistical software (SAS, Julia) and programming languages (Python, JavaScript) for data manipulation and representation (with an emphasis on Open Source and Web technologies).

## 2014- 2017 Independent Consultant

Generali Insurance Company (Assicurazioni Generali S.p.A. [www.generali.com](http://www.generali.com)) Head Office – IT Investment Data Governance Office

- Worked as a Senior SAS statistical expert and an ETL developer in the Regulus Team, account owner of the Investment Data Warehouse for the entire Generali Group.
- Developed applications using different technologies and languages (Python over AIX OS, Java, Oracle 11g, SAS, C++, PL/SQL Stored Procedure).
  - The Regulus system is a Data Warehouse solution where Generali collects investment information from entities around the world. Regulus assigns each financial instrument the correct price in the main forex, various ratings (risk, esg...) and risk measurements. The Data Warehouse exposes a real time OLAP designed by the Regulus Team for browsing data by Risk and Investment Offices of Generali Group. Regulus is the biggest Data Warehouse in the Generali Group.
  - Used Regulus data to develop the intranet portal of Entity List (NET.Core and Vanilla JavaScript) and Vigilance Network (CoffeeScript, gravitational force layout, d3.js, SVG).

At reMEDIA limited company:

- Developed PowerBI dashboards over PodCamp, data extraction from Azure based environments, data transformation with Python.

**2012- 2014    Manager**

KPMG Advisory S.p.A. (www.kpmg.com)

Worked as a manager on various financial and insurance IT projects

- Custom node of Solvency II Standard Formula in Generali Insurance Company.
- NPL probabilistic model in IFIS Bank (data gathering, data analysis, data modeling).
- Vicenza Pop Bank (Banca Popolare di Vicenza S.C.p.A.) Risk Office Advisor for AIRB project.
- European Bank Authority Inspector in Veneto Bank.
- Advisor in Emilia-Romagna Pop Bank (Banca Popolare dell'Emilia Romagna) during 2014 EU-wide stress test.

**2008- 2012    Statistical Software Developer and Data Engineering**

In CRIF S.p.A. (www.crif.com)

- Statistical Software developer of Crif product (DANTE) for developing banking ScoreCard. DANTE is a C# (winform) wrapper over 3 different statistical engines (SAS-SPSS, Oracle 11g), sold to Emilia-Romagna Pop Bank, NEOS Finance, Bank of Greece.
- Member of the Statistical Team responsible for developing Credit Bureau DataPanels for Crif offices around the world.
- ETL developer in Crif Data Warehouse (EURISC)

**2002- 2006    Army Official**

Carabinieri Army (Arma dei Carabinieri)

Lieutenant (Company Commander).

**2000-2002    IT developer**

Programmer in Italsoft s.r.l. (Venice, Italy) of the Data Warehouse (Intesa Bank and Telecom Italia S.p.A).

**EDUCATION****July, 10th 2007    Master Degree in Statistical and Economical Sciences**

110 cum laude

Faculty of Statistical Sciences, Bologna University, Bologna, Italy

- "Dinamica urbana e misure di rete: un approccio teorico-applicativo con riferimento alla città statunitense". Relator: Prof. Aura Reggiani (Bologna University, Bologna); Correlator: Prof. Laurie A. Schintler (George Mason University, Virginia, USA). Thesis over a research period at School of Public Policy, George Mason University, VA, USA (2006).

**November, 17th 2001    Bachelor Degree in Statistical and Information Technology Sciences**

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Faculty of Statistical Sciences, Padova University, Padova, Italia

- "Analisi dei dati demografici ed anamnestici tramite una procedura SAS". Relator: Prof. Antonella Bacchieri (Padova University, Padova); Thesis over a research period in Sigma-Tau Pharmaceutical Industries, Pomezia (ROMA) (2000).

## SCIENTIFIC PUBLICATIONS

- Östh J., Reggiani A., Galiazzo G. (2015), "Spatial Economic Resilience and Accessibility: A Joint Perspective", *Computer, Environment and Urban Systems*, Vol. 49, pp. 148-159.
- Östh J., Reggiani A., Galiazzo G. (2014), "Novel Methods for the Estimation of Distance Decay in Potential Accessibility Models", in A. Condeço-Melhorado, A. Reggiani, J. Gutiérrez (eds), *Accessibility and Spatial Interaction*, Edward Elgar, Cheltenham, pp.15-37.
- Schintler L.A., McNeely C.L., Galiazzo G. (2011), "Exploring Biomedical Workforce Development and Productivity: Gendered Reflections and Challenges", *World Med Health Pol.*, 3(2), pp. 1–12.
- Schintler L.A., Galiazzo G. (2009), "Measuring and Visualizing Urban Network Dynamics: a GIS and Graph-Theoretic Approach" in *Complexity and Spatial Networks. In Search of Simplicity* (Eds A. Reggiani and P. Nijkamp), Springer-Verlag, Berlin, pp. 209-219.
- Bastianelli D., Galiazzo G. et al. (2009), "Finanza e Comportamenti Imprenditoriali nell'Italia Multietnica", Retecamere Scrl Eds, Rome.

## SPEAKING ENGAGEMENTS

- Östh J., Reggiani A., Galiazzo G. "New Methods for the Estimation of Cost/Distance Decay in Potential Accessibility Models", alla International NECTAR Conference, São Miguel, Azores, Portugal, 2013.
- Workshop "Advances in Spatial Analysis & e-Social Sciences", UCL, Londra, 13-14 April 2010.
- "The Spatial Aspect of the Foreclosure Crisis" (di L. Schintler, G. Galiazzo, D. Pelletiere, R. Kulkarni e E. Istrate), al 55th Annual North American Meetings of the Regional Sciences Association International (RSAI), NYC, USA, 19 - 22 November 2008.
- "Measuring and Visualizing Urban Network Dynamics: a GIS and Graph-Theoretic Approach" (di L.A. Schintler, G. Galiazzo) alla Conferenza "Complexity, Evolution and Learning: in Search of Simplicity", Institute Para Limes, Barchem (NL), 19 - 22 September 2007.
- "Workshop and Summer School on Complex Systems", Sovata (ROMANIA), 15 - 20 July 2007. (Director: A.-L. Barabási).

## SKILLS

Primary language	Italian
Other languages	English
Analytical skills	Strong analytical skills through 20 years of experience, in particular the development of data processes in financial environments.
Communication skills	Excellent communication skills, both during technical exercises (teaching, financial) and under stressful situations (operational command on the field as a public officer).
Organizational and management skills	Commanded a police/military company for 3 years. As a director of Cybergenia I was responsible for finance and the company's budget.
Professional skills	Data Science (SAS, R, Julia, Python, d3.js, Node.js) – Developer (C#, Java, Javascript)
Latest Certification	ITIL v3® Foundation

## FURTHER INFO

Personal data	In compliance with the European GDPR (2016/679), I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance with the above mentioned decree.
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Padua, 05/02/2024

Giacomo Galiazzo

