

Giulio Giacomo Cantone

PHD STUDENT · COMPLEX SYSTEMS

University of Catania

Academic Experiences

Indiana University · Luddy Center for Artificial Intelligence

VISITING · CENTER FOR COMPLEX NETWORKS AND SYSTEMS

- Principal Investigator: Prof. Filippo MENCZER (Informatics)
- Advisor: Prof. Alessandro FLAMMINI (Informatics)

Bloomington, Indiana, US

Q4 2021:Q1 2022

University of Catania · Center of Excellence for Acceleration of Harm Reduction

POSTGRADUATE RA

- Research Director: Prof. Riccardo POLOSA (Medicine)
- Principal Investigator: Prof. Venera TOMASELLI (Statistics)

Catania, Italy

2018:Present

University of Melbourne · ReplicATS - DARPA SCORE (Phase II)

STUDY PARTICIPANT (EXPERT PANEL)

Remote

Q2 2021

Syracuse University (NY, US) · iSchool of Information Studies

SUMMER SCHOOL · SCIENCE OF SCIENCE

- Head: Prof. Daniel ACUÑA (Information Science)

Remote participation

August 2021

Bench Srl. (benchsrl.com)

POSTGRADUATE RA

- I designed and field-managed a political survey in Sicily

Catania, Italy

Q1 2020

University of Catania · School of Medicine, Surgery and Advanced Technologies "Gian Filippo Ingrassia" / University "Vita e Salute S. Raffaele" (Milan)

2-MONTHS POSTGRADUATE COURSE · BIostatISTICS

- Head: Prof. Venera TOMASELLI (Statistics)
- Head: Prof. Stefania Mariacelia DI SERIO (Biostatistics)

Catania, Italy

Q1 2019

University of Salerno

SUMMER SCHOOL · METHODOLOGY OF SOCIAL RESEARCH

- Head: Prof. Felice ADDEO (Sociology)

Tortorella (SA), Italy

2017; 2018

Academic Background

University of Catania · Department of Physics and Astronomy "Ettore Majorana"

PHD · COMPLEX SYSTEMS

- Advisor: Prof. Venera TOMASELLI (Statistics)
- Advisor: Prof. Giovanni GIUFFRIDA (Informatics)

Catania, Italy

2019 → Q1 2023

University of Catania · Department of Political and Social Sciences

MS · SOCIAL RESEARCH

- Advisor: Venera TOMASELLI (Statistics)
- Graduated with Honors

Catania, Italy

2016 → 2018

University of Catania · Department of Economics and Business

BS · ECONOMICS

Catania, Italy

2010 → 2015

Publications

PUBLISHED

- (2022) Venera Tomaselli, Pietro Ferrara, **Giulio Giacomo Cantone**, et al. The effect of laboratory-verified smoking on SARS-CoV-2 infection: results from the Troina sero-epidemiological survey. Intern Emerg Med. doi: 10.1007/s11739-022-02975-1
- (Accepted) Venera Tomaselli, **Giulio Giacomo Cantone**. Multiversal methods for model selection: COVID-19 vaccine coverage and relative risk reduction. SIS 2022 Proceedings. Pearson
- (2021) Riccardo Polosa, Venera Tomaselli, Pietro Ferrara, Alba Corina Romeo, Sonja Rust, Daniela Saitta, Filippo Caraci, Corrado Romano, Murugesan Thangaraju, Pietro Zuccarello, Jed Rose, **Giulio Giacomo Cantone**, Margherita Ferrante, Jonathan Belsey, Fabio Cibella, Elisa Interlandi, Raffaele Ferri. Seroepidemiological Survey on the Impact of Smoking on SARS-CoV-2 Infection and COVID-19 Outcomes: Protocol for the Troina Study. JMIR research protocols 10 (11), doi: 10.2196/32285
- (In print) Venera Tomaselli, Giulio Giacomo Cantone, Vincenzo Miracula. Multiversal Methods in Observational Studies: The Case of COVID-19 SIS 2021 Proceedings. Springer
- (2021) Venera Tomaselli, Sebastiano Battiato, Alessandro Ortis, **Giulio Giacomo Cantone**, Salvatore Urso, Riccardo Polosa. Methods, Developments, and Technological Innovations for Population Surveys. Social Science Computer Review, doi: 10.1177/0894439321994218
- (2021) Venera Tomaselli, **Giulio Giacomo Cantone**. Multipoint vs slider: a protocol for experiments. ASA 2021 Statistics and Information Systems for Policy Evaluation, 91 - 96, Firenze University Press, doi: 10.36253/978-88-5518-304-8.19
- (2020) Venera Tomaselli, **Giulio Giacomo Cantone**. Evaluating Rank-Coherence of Crowd Rating in Customer Satisfaction, Social Indicators Research, doi: 10.1007/s11205-020-02581-8
- (2020) Venera Tomaselli, **Giulio Giacomo Cantone**, Rosario D'Agata Big Data e scale di rating: un modello CUBE per l'analisi delle valutazioni del consumatore. Big Data e processi decisionali: strumenti per l'analisi delle decisioni giuridiche, politiche, economiche e sociali, 191 - 204, EGEA.
- (2019) Venera Tomaselli, **Giulio Giacomo Cantone** An Index for Preference Big Data. Data Science and Social Research II: Studies in Classification, Data Analysis, and Knowledge Organization. Springer, doi: 10.1007/978-3-030-51222-4_27

IN REVIEW, DRAFTS AND RE-DRAFTS

Giulio Giacomo Cantone, Venera Tomaselli. Hybrid Probabilistic-Snowball Sampling Design. <https://arxiv.org/abs/2204.01887>

Giulio Giacomo Cantone, Venera Tomaselli, Valeria Mazzeo. [Placeholder name: Review wars.]

PRE-DRAFTS

A clinical study on the effect on well-being of algorithmic-based target **de-following of fake news source in subjects at risk**, with John Bryden, Betsy McGrabe, Matt DeVerna and Bao Truong.

An article on **model selection through model variance** for a Q1 journal of Statistics, with Venera Tomaselli

An article on disinformation dynamics in **online reviews** through **agent-based networks simulation** for a Q1 journal of Social Informatics, with Filippo Menczer and Alessandro Flammini.

An article on a novel estimator for **ranking items from crowd-sourced ratings** for a Q2 journal of Applied Statistics, with Venera Tomaselli.

GUIDES AND OTHER

How to make a Chimera Network with Tidygraph: <https://github.com/giuliogcantone/Engrafting-the-Chimera-Network>

How to scrape Amazon with rvest: <https://github.com/giuliogcantone/How-to-scrape-Amazon>

Academic Teaching Experience

https://github.com/giuliogcantone/Lezioni_DataScience_Cantone2022

Q2 2022 **Data Science**, Lecturer, University of Catania
 Q2 2021 **Data Science**, Lecturer, University of Catania
 Q3 2020 **Data Science**, Lecturer, University of Catania

Job experience

Q2 '19 -> **Executive Assistant**, Digital Innovation Hub SICILIA · Confindustria, Catania, Italy
 Q4 '20 (preparatalfuturo.confindustria.it/dih/sicilia)
 Q1 2018 **Intern**, Keix Marketing Research (<https://www.keix.com/>)
 2016, 2017 **Data Literacy in Teens (Project Designer)**, Technical High School "Archimede", Catania, Italy (itarchimede.it)
 2015 **Intern**, Tornabene's Business Consultant Agency, Catania, Italy

Other

2016:2018 **Club Secretary**, CS Italia Electronic Sport Association (<https://www.csitalia.org>)
 2013 **Founder**, CS Italia Electronic Sport Association (<https://www.csitalia.org>)

Mentoring

Q1 2019 **I tutored the National Ranked #1 at Olympics of Statistics**, Tutor, High School "Galileo Galilei" Catania

Guest Speaker Presentations

INVITED TALKS

August 2018. *Videogames and Agent-Based Models*, with Filippo Pedrini. Campus Party Milan, Milan, Italy.
 August 2019. *Recommender Systems: dystopia or evolution?* Campus Party Milan, Milan, Italy.

Outreach & Professional Development

SERVICE AND OUTREACH

2021	Committee for Quality of Service, University of Catania , Volunteer Technical Support	Catania
2021	Summer School in Innovation Strategies for Social Research - Italian Association of Sociology , Volunteer Technical Support	Remote participation
2018	Global Game Jam , Judge	Catania
2016	University of Catania's Orientation Day , Videomaker	Catania

PEER REVIEW

I peer reviewed once for a Springer book (Statistics for Economics), twice for a IGI Global book (Digital Management).

PROFESSIONAL MEMBERSHIPS

Italian Society of Statistics
 Big Data 4 You - Founding Member