

# Ilaria Stanzani

PHD IN COMPUTER SCIENCE



## ABOUT ME

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I am a PhD student at University of Genova. My interests are mainly focused on Machine Learning and it's application to current topics. Specifically I am working on the Academic Collaboration Network and on how the academic research is structured

## COMPUTER SKILLS

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- PYTHON  
(pandas, geopandas, numpy, scikit-learn, matplotlib, seaborn )
- R
- C++
- JavaScript
- OFFICE PACKAGE
- GOOGLE WORKSPACE

## LANGUAGES

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- Italian - Native Speaker
- English - Advanced
- Spanish - Basic

## EDUCATION HISTORY

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University of Turin

### Master Degree in Physics of Complex System (110/110 cum Laude), Sept 2019 -April 2022

- Data Mining, Statistical Modeling and Machine Learning
- Physics of the complexity in social systems
- Digital Epidemiology
- Neural Networks
- Introduction to Game Theory and networks

#### Thesis project:

"Studying eating disorders and other attitudes toward nutrition and health on Twitter during the COVID epidemic"

SUPERVISOR: Dr. Yelena Mejova

(Article in preparation for JMIR)

Alma Mater Studiorum, University of Bologna

### Bachelor Degree in Physics (107/110), Sept 2016- Sept 2019

#### Thesis Project:

"Coherent States in Light and Matter"

SUPERVISOR: Dr. Elisa Ercolessi

## WORK EXPERIENCE

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University of Genova

### PhD student **November 2023 - Ongoing**

Supervisor: Prof. Annalisa Barla

The main aim of my PhD project is to leverage the ever-increasing digital information on academic production to gain insight into the progress of research, the amount of academic collaboration between researchers, and the degree of openness.

University of Genova

### Research fellow **July 2023- October 2023**

"Study and definition of ethical-AI methods and good practice for structured, temporal and multimodal data"

Supervisor: Prof. Annalisa Barla

Department of Computer Science, Bioengineering, Robotics and Systems Engineering (DIBRIS)

ISI Foundation

### Jr Researcher **May 2022-April 2023**

Lagrange Fellowship, funded by CRT Foundation

#### Research topic:

Urban election dynamics: Analysis and visualization of voting patterns in italian cities.

The aim of this project is the analysis of voting dynamics in an urban context and the relationship between voting dynamics and the socio-economic context.

I worked on electoral and socio economics data in Italian cities to unveil, characterize and visualize common electoral clusters , combining geospatial and socioeconomic information using machine learning approaches and data visualization.

SUPERVISORS: Laetitia Gauvin, Marco Quaggiotto, Michele Tizzoni

## TRAINEESHIP/SCHOOLS

University of Genova

**MaLGa Summer School in "Deep Learning and Computer Vision" June 2024**

University of Genova

**MaLGa Summer School in "Machine Learning Crash Course" June 2024**

Lake Como School of Advanced Studies

**Computational Social Science:Advances, Challenges and Opportunities May 2024**

University of Genova

**Summer School in "Modern Topics in Machine Learning" June 2023**

Universidad de Cádiz

**Post-graduate Traineeship (ERASMUS+) May 2022-June 2022**

Analysis of the trends of deaths of despair (suicides, death by overdose or alcohol) in relation at the size and the population of cities in USA, related to the period of COVID19.

SUPERVISOR: Prof. Javier Galvez-Alvares (UCA)