

Samuele Lipani

Physicist, Data scientist

- 29 January, 1999
- +39 3314241373
- in https://www.linkedin.com/in/ samuele-lipani-03656a229/
- https://github.com/samuelelipani
- samuelelipani@gmail.com

About Me -

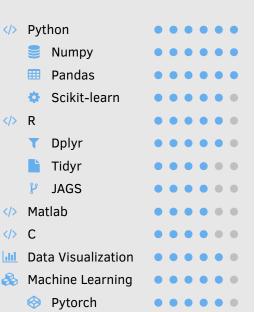
I was born in a small town in Sicily and as a kid i was interested in natural phenomena and how the world around me worked. At the present time i am really into reading, art, animation and Data science.

Languages

П	Italian	•	•	•	•	•	•	
	English	•	•	•	•	•		
	French	•	•	•	•			

Technical skills

Keras



Education

2017 - 2020

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MSc Internship	ICTP, University of Trieste			
focus: quantitative life science and ecology for population dynamics				
Master studies in Physics of Data	University of Padova			
Physics of Data consists in interpreting natural phenomena whose				
complexity requires the collection, manage	ement and analysis of			
	focus: quantitative life science and ecology f Master studies in Physics of Data Physics of Data consists in interpreting nati			

large amounts of data and also how to develop methods and techniques for such analysis

Bachelor studies in physics and astronomy achieved with 110L Thesis: it considers the phenomenon of synchronization by analyzing its physical characteristics and a simple model named after Ku-

University of Catania

ramoto implemented in MATLAB

Bachelor Studies in Physics

2012 - 2017 High school diploma Liceo Scientifico A.Volta. Caltanissetta

Scientific diploma achieved with 100L

Main projects

Food webs Study of food webs models and their efficacy in predicting real ma-

rine food webs, Pyhton

Life data Estimation of incubation period plus reporting time based on COVIDepidemiology 19 mobility and new cases data in Italy, Python

Life data Estimation of the lag in the application of restrictions in Italian reepidemiology gions, Python

Inference of COVID-19 vaccines effectiveness and uncertainty using Bayesian

inference Bayesian methods, R

Data analysis Reconstruction of tracks of particles measured by fast track detec-

tors with parallel processing, Python

Relevant Master courses and interests

Some courses i attended that contributed to my education are Machine Learning, Neural networks and deep learning, Information theory and bayesian inference, Quantitative life science, Life data epidemiology. I am mainly interested in quantitative life sciences, complex systems and i can define myself as an enthusiast physicist, data scientist and data analyst.

Extra-Curricular Activities

Physics Teacher in the preparation course course for the EOES physics comteacher petition

Tutor Senior tutor in the courses of the EOES Summer School of Physics

organized by the AIF section of Caltanissetta - Physics Laboratory

Academic MSc student tutor for students attending the first years of physics

tutor bachelor degree in UniPd for the calculus class

Key words

Social skills	Communication	Team work	Machine learn	ing	Deep learning	
Data science	Data analysis	Physics of Dat	ta Statistics Co		mplex systems	
Ecology						