



# Federico Musciotto

Research Fellow



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## About me

I am a young physicist with a deep interest in complexity and its challenges. During my experience as a researcher I've built a strong knowledge on networks, financial big data and computational social science. My personal career goal is to work in an open environment in which the newest ideas are applied to reshape our world in a more fair and efficient way. I am a quick learner and I genuinely enjoy the idea of mixing expertise and knowledge from different disciplines to get something completely new.

## Programming Skills

Python



MySQL



Bash



Git



C++



MongoDB



## Experience

2019-current	Postdoctoral Researcher Econophysics	University of Palermo
2018-2019	Postdoctoral Researcher Computational Social Science, Science of Science	CEU, Budapest
2017	Visiting researcher Data engineering	University of Turku
2017	Teaching Assistant Statistical Methods in Network Science	CEU, Budapest
2010-2011	Internship Collection and analysis of statistical surveys	ISTAT, Catania

## Education

2015-2017	Ph.D. Statistical validation of investment decisions and transactions in financial markets	University of Palermo
2015-2016	Visiting Phd student at the Center for Network Science Applied research on Network Science	CEU, Budapest
2011-2014	M.Sc. First class honours Majoring in Theoretical Physics	University of Padova
2008-2011	B.Sc. First class honours Majoring in Physics	University of Catania
2003-2008	High school Specializing in classical studies	Acireale

## Projects

2019	EU Datathon EconCartography, <a href="https://econcartography.eu">https://econcartography.eu</a>
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## Awards

2019	EU Datathon 1st Prize
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## Organized workshops

2019	NetSci Quantifying Success	Burlington
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## Publications

2019	Closing the Gender Gap: Balance versus Equality submitted	
2019	Science of Success: An introduction Proceedings of the International School of Physics "Enrico Fermi", in press	
2019	Taking Census of Physics Nature Review Physics	
2018	Bootstrap validation of links of a minimum spanning tree Physica A	
2018	Long-term ecology of investors in a financial market Palgrave Communication	
2016	Patterns of trading profiles at the nordic stock exchange. A correlation-based approach Chaos, Solitons and Fractals	
2016	Mining social interactions in privacy-preserving temporal network ASONAM	

## Conferences and Schools

2019	EU Datathon Invited talk	Bruxelles
2019	NetSci Contributed talk	Burlington
2018	Conference on Complex Systems 2 Contributed talks	Thessaloniki
2018	International School of Physics "Enrico Fermi"	Varenna
2018	NetSci 2 Contributed talks	Paris
2017	International Conference on Computational Social Science Contributed talk, Poster	Cologne
2017	Series on Data science and Complex network analysis Invited talk	Szeged
2016	CDT Easter School, University of Liverpool Invited talk	Liverpool
2016	ASONAM Contributed talk	San Francisco
2015	Networks, Complexity, and Economic Development Contributed talk	Budapest
2015	Lipari School on Computational Complex Systems	Lipari

## Languages

English	Full working proficiency
Italian	Native proficiency
Spanish	Conversational level