

# Nicolò VALLARANO

## PERSONAL DATA

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PLACE AND DATE OF BIRTH:  
ADDRESS:  
PHONE:  
EMAIL:

## EDUCATION

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*Current* Ph.D in ECONOMICS, MANAGEMENT and DATA-SCIENCE,  
**IMT school of advanced studies**, Lucca

JULY 2016 Laurea Magistrale in MATEMATICA APPLICATA,  
**Universita' degli studi La Sapienza**, Rome 110/110 *summa cum laude*,  
Thesis: "Maximum entropy methods for complex networks  
reconstruction from partial information"  
Advisors: Profs. Marco ISOPI, Antonio SCALA

2015 Erasmus year at **Queen Mary University**, London

OCTOBER 2013 Laurea triennale in MATEMATICA  
**Universita' degli studi La Sapienza**, Rome 110/110 *summa cum laude*

## WORKING PAPERS

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**Network-based indicators of Bitcoin bubbles**  
CLAUDIO J. TESSONE, NICOLÒ VALLARANO, TIZIANO SQUARTINI et al.  
<https://arxiv.org/abs/1805.04460>

## SCHOLARSHIPS AND CERTIFICATES

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Nov. 2016 Ph.D Scholarship (€45.000)  
JUNE 2014 Erasmus+ Grant

## LANGUAGES

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ITALIAN: Mothertongue  
ENGLISH: Fluent  
FRENCH: Basic Knowledge

## COMPUTER SKILLS

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Basic Knowledge: C++  
Intermediate Knowledge: R, STATA, LINUX ubuntu  
Advance Knowledge: MATLAB, PYTHON3, L<sup>A</sup>T<sub>E</sub>X

## RESEARCH INTERESTS

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Labor Economics, Data-Science, Complex Networks, Statistical mechanics,  
Numerical Optimization, Dynamical System, Network Econometrics