

UNIVERSITÀ DEGLI STUDI DI MILANO

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Pietro Battiston

CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	BATTISTON
NOME	PIETRO
DATA DI NASCITA	29/07/1985

I am a researcher in Economics with a background in Mathematics and a passion for programming. My main research interests are Network Theory (and in particular applications to economic and financial networks), Law & Economics, Experimental Economics, and Bibliometrics. Since November 2018, I am a researcher at the Department of Economics (DEMS) of University of Milan Bicocca (Italy).

Education

- PhD in Economics, University of Milan Bicocca, 2010-2014 (dissertation: “*Essays on networks and information dynamics*”, advisor: Luca Stanca).
- Laurea Magistralis in Economics, University of Bologna, 2008-2010.
- Laurea in Mathematics, University of Pisa, 2004-2008.

Past positions

- June 2017 - May 2018: research fellow at the Department of Legal Systems of the University of Milan Bicocca (Italy).
- January 2014 - December 2016: research fellow at the Institute of Economics of the Sant’Anna School of Advanced Studies, Pisa.

Visiting periods

- 2017, February: Weiss Visiting International Scholar, Barnard College, Columbia University.
- 2013, April-June: visiting PhD student at Central European University, Budapest.

Publications

Refereed journal articles:

- Battiston, P., Duncan, D. R., Gamba, S., Santoro, A. (forthcoming) [“Audit publicity and tax compliance: a natural experiment”](#) *Scandinavian Journal of Economics*
- Battiston, P. (2016) [“Constrained network formation”](#): *Italian Economic Journal*, 2(3), 347-362
- Battiston, P., Gamba, S. (2016) [“The Impact of Social Pressure on Tax Compliance: a Field Experiment”](#), *International Review of Law and Economics*, 46, 78-85
- Battiston, P., Stanca, L. (2015), [“Boundedly Rational Opinion Dynamics in Directed Social Networks: Theory and Experimental Evidence”](#), *Journal of Economic Behavior and Organization*, 119, 400-421

Books:

- Battiston, P. (forthcoming), *Network responsibility*, Columbia University Press

Book chapters:

- Battiston, P., Gamba, S., Rotondi V. (2019), “What does a young cheater look like? An innovative approach”. In Bucciol, A. and Montinari, N., editors, [Dishonesty in Behavioral Economics](#), Elsevier

Working papers

- [“Lies have long legs. Cheating, public scrutiny and loyalty in teams”](#) (with Simona Gamba, Matteo Rizzolli, Valentina Rotondi), *Revise and resubmit, The Economic Journal*, 2018
- [“What exactly is public in a public good game? A lab-in-the-field experiment”](#) (with Simona Gamba, Matteo Rizzolli, Valentina Rotondi), *submitted*, 2019
- [“When the two ends meet: an experiment on cooperation across the Italian North-South divide”](#) (with Simona Gamba), *Revise and resubmit, Economia Politica*, 2019
- [“Social Interaction and Technology Adoption: Experimental Evidence from Improved Cookstoves in Mali”](#) (with Jacopo Bonan, Jamie Bleck, Philippe LeMay-Boucher, Stefano Pareglio, Bassirou A. Sarr, Massimo Tavoni), *Revise and resubmit, Journal of Economic Behavior & Organization*, 2019
- [“Growth and financial exposition in times of crisis”](#) (with Mauro Napoletano), 2017
- [“Citations are Forever: Modeling Constrained Network Formation”](#), 2014

Work in progress

- “Using Machine Learning to Predict Tax Behaviour” (with Simona Gamba, Alessandro Santoro)
- “Judge a paper by the cover? Evidence from 30 years of Nature” (with Pierluigi Sacco, Luca Stanca)

- “Cost and benefits of tax audits: an empirical analysis” (with Alessandro Santoro, Nicola Sartori)
- “Rational Bubbles in closed economies”
- “Learning to Believe: Experimental Evidence on the Emergence of Sunspot Equilibria” (with Sharon Harrison)

Awards

- SIE (Italian Economic Association) [award for the best PhD thesis in Economics in 2014](#): winner (ex-aequo)
- [GSS Young Scholar Award 2015](#): finalist

Invited talks

- Scientific:
 - 2019: SOSE study center, Rome (“Using machine learning to predict tax behavior”)
 - 2018: *Data Science for Economics* Workshop, University of Turin (“Using big data to predict tax behavior”)
 - 2018: Scuola Superiore Sant’Anna, Pisa (“Using big data to predict tax behavior”)
 - 2017: University of Campinas, Brasil (workshop “The use and role of big data for enhancing agri-food chains and public policy”)
 - 2017: Barnard College - Columbia University, New York (Weiss International Fellow Lectures in Literature and the Arts)
 - 2014: Fondazione Eni Enrico Mattei, Milan (“Boundedly Rational Opinion Dynamics in Directed Social Networks: Theory and Experimental Evidence”)
- Scientific computing:
 - PyConLT 2018, May, Kaunas,
 - PiterPy 2017, November, Saint Petersburg.

Other contributions to scientific conferences and workshops

- **2019**: European Association of Law and Economics (EALE) conference, Tel Aviv (*forthcoming*); 1st CeFES International Conference on European Studies, Milan;
- **2018**: ZEW Public Finance Conference, Mannheim;
- **2017**: 58th Annual Scientific Conference of the Italian Economic Association, University of Calabria; Workshop on the Law and Economics of Migration and Mobility, Bern; 3rd Maastricht Behavioral Economic Policy Symposium, Maastricht;
- **2016**: European Association of Law and Economics (EALE) conference, Bologna;
- **2015**: 30th Annual Congress of the European Economic Association (EEA), Mannheim; WEHIA ’15, Sophia Antipolis; ARS ’15, Capri;

- **2014:** ECCS Warm-up, Lucca;
- **2013:** 2nd Annual CIRANO-CIREQ Workshop on Networks in Trade and Finance, Montreal; European Conference on Complex Systems (ECCS), Barcelona; World Meeting of Economic Science Association (ESA), Zurich; ARS '13, Roma; NEXT Workshop on Networks and Externalities, Budapest; International Conference on Evolutionary Patterns, Lisbon;
- **2012:** European Association of Law and Economics (EALE) conference, Stockholm; Economic Science Association (ESA) European conference, Köln; 5th Italian Doctoral Workshop in Economics and Policy Analysis, Torino

Refereeing activity

- Journals: *Journal of Economic Behavior & Organization*, *Journal of Complex Networks*, *PLOS ONE*, *International Review of Economics*, *Journal of Sustainable Tourism*, *Journal of Economic Interaction and Coordination*
- Conferences: *International Conference on Behavioral, Economic, and Socio-Cultural Computing (2014-2018)*

Research groups

- At Sant'Anna: member of Horizon 2020-financed project DOLFINS; collaborator of Horizon 2020-financed project ISIGrowth
- At Milan Bicocca: member of SIR (financed by the Italian Ministry for Research and Education) project on "Estimated tax assessments and presumptive taxation: a comparative analysis", PI: Nicola Sartori

Teaching activity

- Academic:
 - Microeconomics, University of Milan-Bicocca, Spring 2019
 - Advanced Mathematics, Sant'Anna School of Advanced Studies (Ph.D. Program in Economics), Pisa, Fall 2018
 - Advanced Calculus I (Teaching Assistant), Sant'Anna School of Advanced Studies, Pisa, Fall 2018
 - Mathematics (Teaching Assistant), University of Pisa, Fall 2018
 - Advanced Calculus II (Teaching Assistant), Sant'Anna School of Advanced Studies, Pisa, Fall 2017
 - Political Economics I (Teaching Assistant), Catholic University of Milan, Spring 2012, Spring 2013.
- Non-academic:
 - Introductory course on Python programming for scientific applications, Pisa, Spring 2015.
 - Introduction to Economics for high school students, Pisa, Spring 2016, Fall 2016.

Language knowledge

- Italian: mother tongue
- French: excellent fluency in speaking and writing
- English: very good fluency, (IBT) TOEFL test passed with score 112/120
- German: very basic reading and listening skills
- Spanish: very basic reading and listening skills

Other work experience

- 2017, May: Consultant of Python for data analysis (for Thunder Systems s.r.l., Milan)
- 2008: Part-time programmer in Python, employed in the development of a graphical user interface for databases management.
- 2006, 2007, 2008: Mathematics tutor for workshops aimed at middle- and high school students (projects PORTA and “Pianeta Galileo”).

Other activities and skills

- Strong programming experience, in particular with the Python programming language and scientific libraries;
- Core developer of [pandas](#) (reference library for data manipulation in Python), occasional contributor of other open source softwares related to scientific computing;
- For my research activity I also used R, Matlab, Stata, C, GRETL, z-Tree, among others.
- Creator of [unicerca.it](#), a website devoted to fostering mobility in the Italian academic job market.
- Passioned by music, I have taken part in several concerts both as choir member and as solo singer.

Data

14/07/2019

Luogo

Campinas (Brasile)

