

# MARIO MOLINA

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## EDUCATION

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### **Cornell University**

2013 - 2020 (expected). Ph.D in Sociology (*Minor in Statistics*)

*Dissertation Committee:* Michael W. Macy (co-chair), Victor Nee (co-chair), Filiz Garip, and Martin Wells (Statistics).

2017. M.A., Sociology

### **Universidad Catolica de Chile**

2011. M.A., Sociology

### **Universidad de los Andes, Chile**

2009. B.A., Philosophy

2008. B.A., Education

## PUBLICATIONS

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- **Molina, Mario**, Mauricio Bucca, & Michael Macy (2019). "It's not just how the game is played, it's whether you win or lose." *Science Advances*, vol. 7, no. 5, eaau1156.
- **Molina, Mario** & Filiz Garip (2019). "Machine learning for sociology." *Annual Review of Sociology*, vol. 45.

## WORKING PAPERS

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- **Molina, Mario**, Lisha Liu, Hakan Holm, & Victor Nee. "Social norms in the local community and spillovers into cooperation with strangers".
- Garip, Filiz, & **Mario Molina**. "Predictive machine learning models for exploring environment and migration linkages in historical Mexico-U.S. flows".

## WORK IN PROGRESS

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- **Molina, Mario**. "Resting on your laurels? Status dynamics and individual effort in a large online community".
- Drohout, Lucas, **Mario Molina**, & Filiz Garip. "Identity and relational structure among immigrant adolescents in Western Europe".
- Asad, Asad L., Neil Jr. Lewis, and **Mario Molina**. "Profiles of psychological distress among noncitizens in the United States, 2011-2018".
- **Molina, Mario** & Filiz Garip. "Network amplification". (In preparation for the 2020 *Research Handbook on Analytical Sociology*).

## OTHER PUBLICATIONS (IN SPANISH)

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### Books

- Molina, Mario (2012). "The Emergence of Sensibility". Cuadernos de Anuario Filosofico: Pamplona, Spain.

### Journal Articles

- Molina, Mario (2013), "Unity between Sensibility and Understanding. The Origin of the Critical Problem". Revista de Filosofia, vol. LXIX, 195-213.

### Book Reviews

- Jauregui, Claudia. "Inner Sense and Subjectivity. An Analysis on the Problem of Self-knowledge in the Kants Transcendental Philosophy". *Methodus: International Journal for Modern Philosophy*, n. 4, 2009.
- Maimon, Solomon. "Versuch ueber die Traszendentalphilosophie". *Methodus: International Journal for Modern Philosophy*, n. 3, 2008.
- Placencia, Luis. "The Ontology of Space. A genetic-systematic Study on the Methodological and Metaphysical Grounds of the Theory of the Space as a Pure Intuition in the Transcendental Aesthetics". *Methodus: International Journal for Modern Philosophy*, n 2, 2007.
- Canto Sperber, Maria. "Greek Philosophy, Volume 2: The Philosophy of the Hellenic Time". *Methexis: International Journal for Ancient Philosophy*, vol. XVII, 2004.

## FELLOWSHIPS, AWARDS, AND GRANTS

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- 2019. Research Travel Grant for Dissertation project. (\$US 2,000). Graduate School, Cornell University.
- 2018. Seed Grant for the Project *The co-evolution of ingroup favoritism and group structure in online communities*. (\$US 1,500)
- 2016. Research Grant for the Project *Talent, Circumstances, or Luck? An Experimental Approach to the Study of Beliefs about Inequality and Fairness*. (\$US 3,000). Center for the Study of Inequality, Cornell University.
- 2015. Seed Grant for the Project *Legitimation or Differential Perception? An Experimental Approach to the Study of Beliefs about Inequality*. (\$US 1,500). Center for the Study of Inequality, Cornell University.
- 2013-2017. Fellowship for Doctoral Studies in the United States. Fulbright.
- 2013-2017. Chile's National Fellowship for Doctoral Studies abroad. Becas Chile, Conicyt.
- 2010-2011. Fellowship for Master Studies in Chile. Fundacion Volcan Calbuco.
- 2007. Hochschulwinterkurs. University Winter Course in Germany for Foreign Students (at Leipzig Universitaet). Deutscher Akademischer Austausch Dienst (DAAD).

## ADDITIONAL TRAINING AND INTERNSHIPS

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### Santa Fe Institute

- 2019. Advanced Graduate Workshop in Computational Social Science (Summer).
- 2017. Graduate Workshop in Computational Social Science (Summer).

### Facebook

- 2018. Research Scientist in the Demography and Survey Sciences team (Summer).

## RESEARCH EXPERIENCE

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### Cornell University

2018-2019. Research Assistant to Prof. Victor Nee (Spring). Department of Sociology

2018-2019. Research Assistant to Prof. Filiz Garip (Fall). Department of Sociology

2017-2018. Research Assistant to Prof. Victor Nee. Department of Sociology

### Universidad Catolica de Chile

2012-2013 Research Assistant to Prof. Florencia Torche. Department of Sociology

### Universidad de los Andes

2007-2009. Research Assistant to Prof. Hugo Herrera. Department of Philosophy

## PRESENTATIONS

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2019. "Resting on your laurels? Status dynamics and individual performance in a large online community". **GWCSS Alumni Conference**, Santa Fe Institute.

2019. "Resting on your laurels? Status dynamics and individual performance in a large online community". **Inequality Discussion Group**, CSI, Cornell University.

2018. "It's not just how the game is played, it's whether you win or lose.". **American Sociological Association** (ASA), 2018 Annual Meeting.

2018. "It's not just how the game is played, it's whether you win or lose.". **Population Association of America** (PAA), 2018 Annual Meeting.

2016. "Talent, Circumstances, or Luck? An Experimental Approach to the Study of Beliefs about Inequality and Fairness." (*Poster Presentation*). **Conference on Digital Experimentation**, MIT.

2015. "Can Group Level Norms Help Predict Future Attitudes?" **8th Annual Meeting of the International Network of Analytical Sociologists**, Harvard University.

2015. "Can Group Level Norms Help Predict Future Attitudes?" **XXXV Sunbelt Conference of International Network for Social Network Analysis**, 2015 Annual Meeting.

2012. "Power Resources Theory: A Reconstruction Micro-Macro." **II ISA Forum of Sociology**, Universidad de Buenos Aires.

2009. "The Problem of the a priori Manifold: The Kants Response to the Salomon Maimons Critic." **National Congress for Philosophy**, Santiago's Library. Santiago, Chile.

2009. Discussant for "Theory of Action in Hegel." **III Congress on Modern Philosophy**, Universidad Catolica de Chile.

2008. "On the Distinction between sensibility and understanding in the *Dissertatio* and the *Critique of Pure Reason*.". **II Congress on Modern Philosophy**, Universidad de los Andes (Santiago, Chile).

2007. "The Reform of the Notion of Object in Critical Philosophy." **Workshop on Modern Philosophy**, Universidad de los Andes (Santiago, Chile).

2007. "The Emergence of Pure Sensibility as a Receptive Capacity in the Theoretical Knowledge in the *Critique of pure Reason*". **I Congress on Modern Philosophy**, Universidad de Chile.

## TEACHING EXPERIENCE

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### Lecturer

2012-2013. *Social Ethics*. Department of Sociology, Universidad Catolica de Chile.

2010. *Modern Philosophical Thought*. Department of Communication and Media, Universidad de los Andes.

### Teaching Assistant

2019. *Introduction to Economic Sociology*. Department of Sociology, Cornell University.

2011. *Social Research Laboratory I* (Graduate level). Department of Sociology, Universidad Catolica de Chile.

2011. *Methods and Techniques for Social Research*. Department of Sociology, Universidad Catolica de Chile.

2008. *Philosophical Thinking*. Department of Law, Universidad Andres Bello.

2007. *Philosophical Anthropology*. Department of Business and Administration, Universidad de los Andes.

2004. *Contemporary Philosophy*. Department of Philosophy, Universidad de los Andes.

2003. *Philosophical Anthropology*. Department of Business and Administration, Universidad de los Andes.

### High School Teacher

2008-2010. *Teacher in Philosophy* (part-time job). Colegio Cordillera de las Condes.

2005-2009. *Teacher in Philosophy* (part-time job). Colegio Arrayanes.

## RELEVANT COURSEWORK

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Intermediate Mathematical Economics I (Economics)

Statistical Computing (Statistics)

Linear Models with Matrices (Statistics)

Applied Time-Series Analysis (Statistics)

Probability Models and Inference (Statistics)

Directed Studies in Applied Statistics (Statistics)

Frontiers of Quantitative Methods (Sociology)

Methods for Social Networks (Sociology)

UNIX Tools and Scripting (Computer Science)

Transition to Python (Computer Science)

Language and Information (Computer Science)

## PROGRAMMING SKILLS

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Python, R, L<sup>A</sup>T<sub>E</sub>X, Git, Unix, Stata.

## LANGUAGES

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Spanish (*native*), English (*fluent*).