

# Mario D. Molina

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*last updated: October 15, 2021*

## APPOINTMENTS

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### **New York University Abu Dhabi**

August 2020 - present. Postdoctoral Associate, Social Science Division.

### **Cornell University**

June 2021 - present. Research Fellow, Center for the Study of the Economy and Society.

## EDUCATION

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### **Cornell University**

2020. Ph.D in Sociology (*Minor in Statistics*)

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

2017. M.A., Sociology

### **Universidad Católica 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 D.**, Victor Nee, and Hakan Holm. "Cooperation with strangers: Spillover of community norms." (*Accepted at Organization Science*)
- **Molina, Mario D.**, Mauricio Bucca, & Michael Macy (2019). "It's not just how the game is played, it's whether you win or lose." *Science Advances*, vol. 5, eaau1156.
- **Molina, Mario** & Filiz Garip (2019). "Machine learning for sociology." *Annual Review of Sociology*, vol. 45.
- **Molina, Mario** (2013), "Unity between Sensibility and Understanding. The Origin of the Critical Problem". *Revista de Filosofía*, vol. LXIX, 195-213.

## WORK IN PROGRESS

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- **Molina, Mario D.**, Nancy Chau, Amanda Rodewald, and Filiz Garip. "How to model the weather-migration link: A machine-learning approach to variable selection in the Mexico-U.S. context." (*Conditionally accepted at the Journal of Ethnic and Migration Studies*)
- **Molina, Mario D.**. "Resting on your laurels: Status dynamics and cooperation in a large online community." (*Revising manuscript*)
- Occhiutto, Nicholas and **Mario D. Molina**. "The social structure of asset bubbles: The case of the Taxicab medallion in New York City." (*Revising manuscript*)

- Drouhot, Lucas, **Mario D. Molina**, & Filiz Garip. “Identity and relational structure among immigrant adolescents in Western Europe.” (*Writing*)
- Asad, Asad L., Neil Jr. Lewis, and **Mario D. Molina**. “Profiles of psychological distress among immigrants in the United States, 2011-2018.” (*Data analysis*)

## OTHER PUBLICATIONS

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### Book Chapters

- Filiz Garip and **Molina, Mario D.** “Network amplification”, *forthcoming* at the Research Handbook on Analytical Sociology.

### Books (in Spanish)

- Molina, Mario (2012). “The Emergence of Pure Sensibility” . Cuadernos de Anuario Filosófico: Pamplona, Spain.

### Book Reviews (in Spanish)

- Jauregui, Claudia. “Sentido Interno y Subjetividad. Un análisis del problema del auto-conocimiento en la filosofía trascendental de I. Kant”. *Methodus: International Journal for Modern Philosophy*, n. 4, 2009.
- Maimon, Solomon. “Versuch über die Traszendentalphilosophie”. *Methodus: International Journal for Modern Philosophy*, n. 3, 2008.
- Placencia, Luis. “La ontología del espacio en Kant: Un estudio genético-sistemático sobre los fundamentos metodológicos y metafísicos de la teoría del espacio como intuición pura en la ‘Estética trascendental’ ”. *Methodus: International Journal for Modern Philosophy*, n. 2, 2007.
- Canto Sperber, Maria. “Greek Philosophy, Volume 2: The Philosophy of the Hellenic Time”. *Metheris: International Journal for Ancient Philosophy*, vol. XVII, 2004.

## FELLOWSHIPS, AWARDS, AND GRANTS

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- 2019. Research Travel Grant for Dissertation project. (\$2,000). Graduate School, Cornell University.
- 2018. Seed Grant for the Project *The co-evolution of ingroup favoritism and group structure in online communities*. (\$1,500)
- 2016. Research Grant for the Project *Talent, Circumstances, or Luck? An Experimental Approach to the Study of Beliefs about Inequality and Fairness*. (\$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*. (\$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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### Princeton University

- 2021. Summer Institute in Computational Social Science (Summer).

## **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**

2019-2020. Research Assistant to Prof. Filiz Garip. Department of Sociology.

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 Católica 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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2021. "Machine Learning for Sociology." Symposium *No Free Lunch: Machine Learning & Qualitative Dokumentenanalyse - Practical and Methodological Insights*, organized by the **German Centre for Higher Education Research and Science Studies** (DZHW). (*invited*)

2021. "Resting on your laurels? Status dynamics and individual performance in a large online community." **American Sociological Association** (ASA), 2021 Annual Meeting.

2021. "The social structure of asset bubbles: The case of the Taxicab medallion in New York City." **Society for the Advancement of Socio-economics** (SASE), 2021 Annual Conference (with Nicholas Occhiutto).

2020. "Cooperation with strangers: Spillover of community norms." **Economic Sociology Colloquium Series**, CSES, Cornell University.

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 Library. Santiago, Chile. (*in Spanish*)
2009. Discussant for “Theory of Action in Hegel.” **III Congress on Modern Philosophy**, Universidad Católica de Chile. (*in Spanish*)
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). (*in Spanish*)
2007. “The Reform of the Notion of Object in Critical Philosophy.” **Workshop on Modern Philosophy**, Universidad de los Andes (Santiago, Chile). (*in Spanish*)
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. (*in Spanish*)

## TEACHING EXPERIENCE

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### Lecturer

- 2012-2013. *Social Ethics*. Department of Sociology, Universidad Católica de Chile.
2010. *Modern Philosophical Thought*. Department of Communication and Media, Universidad de los Andes (Santiago, Chile).

### Teaching Assistant

2019. *Introduction to Economic Sociology*. Department of Sociology, Cornell University.
2011. *Social Research Laboratory I* (Master level). Department of Sociology, Universidad Católica de Chile.
2011. *Methods and Techniques for Social Research*. Department of Sociology, Universidad Católica de Chile.
2008. *Philosophical Thinking*. Department of Law, Universidad Andrés Bello.
2007. *Philosophical Anthropology*. Department of Business and Administration, Universidad de los Andes (Santiago, Chile).
2004. *Contemporary Philosophy*. Department of Philosophy, Universidad de los Andes (Santiago, Chile).
2003. *Philosophical Anthropology*. Department of Business and Administration, Universidad de los Andes (Santiago, Chile).

### 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*).