

Pablo A. Egana del Sol

CONTACT INFORMATION

UAI School of Business
Adolfo Ibanez University (UAI)
Santiago and Viña del Mar, Chile

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DEGREES

2017 Ph.D. in Sustainable Development, Columbia University.
2014 M.Phil in Sustainable Development, Columbia University.
2008 M.Sc., Economics, University of Chile.
2007 Business Engineering, University of Chile.
2006 B.A., Economics, University of Chile.

APPOINTMENTS & AFFILIATIONS

2020-Present Inaugural Director Master in Sustainable Businesses, UAI Business School, Universidad Adolfo Ibanez.
2019-Present Assistant Professor in Sustainability, Entrepreneurship and Innovation, UAI Business School, Universidad Adolfo Ibanez.
2022-Present Co-PI, Millennium Nucleus on the Evolution of Work (MNEW) PUC-Chile and UAI.
2018-Present Research Fellow, Initiative for Sustainable Energy Policy (ISEP), Johns Hopkins University.
2018-Present Research Fellow, Global Labor Organization (GLO).
2018-Present Research Affiliate, Evidence in Governance and Politics (EGAP).
2018-Present Research Affiliate, Center of Conflict Studies, COES.

PAST APPOINTMENTS

2017-2019 Assistant Professor, Asia School of Business/MIT Sloan, Kuala Lumpur, Malaysia.
2017-2020 International Faculty Fellow, MIT Sloan School of Management, Massachusetts Institute of Technology (M.I.T.).
2018-2019 Consultant (Part-time) Inter-American Development Bank.
2016-2017 Postdoctoral Fellow, Media and Science Laboratory, Massachusetts Institute of Technology (M.I.T.).
2016-2017 Postdoctoral Fellow, Center of Conflict Studies, COES, University of Chile.
2015-2016 Ph.D. Student Fellow, Cognition and Decision Lab, Department of Economics, Columbia University.
2011-2016 Faculty Fellow (Teaching Fellow), Ph.D. student, Columbia University.
2010-2011 Instructor (Full time), Department of Economics, University of Chile.
2010-2011 Researcher, Microdata Center, Department of Economics, University of Chile.

2008-2010 Consultant (Part-time) Inter-American Development Bank.
2008-2010 Researcher, Center for Advanced Research in Education, University of Chile.

WORK IN PROGRESS

1. “Impact Evaluation of the Digital Talent Program in Chile”. with Christopher Neilson (Princeton University) and John Eric Humphries (Yale University).
2. “Encouragement RCT for improving effectiveness of bootcamp-based educational interventions”. with Christopher Neilson (Princeton University) and Fernanda Ramirez-Espinoza (Harvard University).
3. “Automation and Labor Market Outcomes: Evidence from a Randomized Controlled Trial”. NDA signed with one of the largest retailer in Latin America. *Experiment design*.
4. “Economic effects of Entrepreneurship Training: Evidence from a Randomized Controlled Trial” (With Sam Flanders (ASB) and Melati Nungsari (ASB). AEA RCT Registry 4013.
5. “Entrepreneurship Education and Labor Market Outcomes: Causal Evidence from Administrative Data in Chile”.

WORKING PAPERS

1. “Determinants of labor productivity and sales growth for micro, small and medium-sized enterprises in a middle-income country in Latin America”, with Claudio Bravo-Ortega (UAI), Nicole Winkler-Sotomayor (Banco Estado) and Rodrigo Miranda (National Productivity Commission). Under Review *Journal of Business Research*.
2. “Preventing Violence in the Most Violent Contexts: Behavioral and Neurophysiological Evidence from El Salvador” (2020), with Lelys Dinarte (World Bank). Revise and Resubmit at *The Review of Economic and Statistics*.
3. “Socioemotional Skills Development and School-Based Violence: Measurements and Impacts”, with Claudia Martinez (PUC and JPAL) and Lelys Dinarte (World Bank). AEA RCT Registry 3976. Under Review *Journal of Development Economics*.
4. “Neurophysiological Markers of Emotion Regulation Predict Efficacy of Entrepreneurship Education” , with Paul Sajda (Columbia U.) and Xiaoxiao Sun (Columbia U.) Under Review *Scientific Reports*.
5. “The Impacts of a Middle-School Art-based Program on Academic Achievements, Creativity, and Creative Behaviors” . Under Review *Npj Science of Learning*.
6. “Neuroscience and Education: Measuring and Developing Creative, Cognitive and Socio-emotional Skills in Educational Settings”. With Marcela Pena(PUC). R& R *Mind, Brain and Education*.
7. “Can COVID-19 Accelerate Technological Transformations? Automation, Labor Markets and Diseases” With Alejandro Micco (UChile). Under Review *IMF Economic Review*

8. “Risk of Automation and The Future of Work in Latin America”, with Claudio Bravo-Ortega (UAI) and Gabriel Cruz (UAI).
9. “The Future of Work in Developing Economies: What can we learn from the Global South (2021). With Alejandro Micco (UChile). SSRN Working Paper 3497197.
10. “Innovation and Corruption” With Claudio Bravo-Ortega (UAI), Jose Miguel Benavente (UAI), and Bronwyn Hall (UC Berkeley)
11. “Futuro del Trabajo y Brechas de Género”, with Gabriel Cruz (UAI) and Luis Valenzuela (U. Austral). Book Chapter, Agreement with Fondo de Cultura Económica (FCE).
12. “Should We Trust Self-reported Measures? An Applied Neuroscience application to Social Program Evaluations” (2019). With Paul Sajda and Nicole Moscovitz

PUBLICATIONS

PAPERS

1. “Automation in Latin America: Are Women at Higher Risk of Losing Their Jobs?” (2021) with Monserrat Bustelo (IDB), Laura Ripani(IDB), and Nicolas Soler (IDB). *Technological Forecasting & Social Change*, 121333. doi.org/10.1016/j.techfore.2021.121333
2. “COVID-19 and automation in a developing economy: Evidence from Chile” (2022) with Alejandro Micco (UChile) and Gabriel Cruz (UAI). *Technological Forecasting & Social Change* Vol. 176, 121373. <https://doi.org/10.1016/j.techfore.2021.121373>
3. “The Future of Work in Developing Economies” (2020), with Connor Joyce (Wharton) *Sloan Management Review*, v.61: no.3. ISSN: 1532-9194.
4. “The Impact of Art-education on Human Capital: An Empirical Assessment of a Youth Orchestra,” (2019). With Dante Contreras and Juan Pablo Valenzuela. *International Journal of Educational Development*, Vol. 71. Pre-PhD paper. ISSN: 0738-0593.

BOOK CHAPTERS AND REPORTS

1. Futuro del Trabajo: Desafíos para el Futuro del Trabajo en Chile. En “Chile tiene Futuro desde sus Territorios.” Editor: Ediciones Biblioteca del Congreso Nacional de Chile www.bcn.cl/publicaciones/ediciones-bcn/Eganaetal
2. “Education for Sustainable Development: Strategies and Key Issues”. Encyclopedia of the UN Sustainable Development Goals. Quality Education. Walter L. Filho and Pinar Ozuyar (eds). Springer Nature, Berlin, 2019.
3. “Labor market in Latin America and the Caribbean: The Missing Reform”, in *The Oxford Handbook of Political Economy of Latin America*, Oxford University Press, New York, 2011. Edited by Javier Santiso and Jeff Dayton-Johnson. With Alejandro Micco (UChile). global.oup.com/Eganamicco
4. “Resilient Communities And Cities: Strategies To Foster Sustainable Development” Encyclopedia of the UN Sustainable Development Goals. Good Health and Well-Being. Walter L. Filho and Tony Wall (eds). Springer Nature, Berlin, 2020.

5. “The Sharing Economy And The Future Of Energy” Encyclopedia of the UN Sustainable Development Goals. Energy. Walter L. Filho and Dinesh Surroop (eds). Springer Nature, Berlin, 2020. With Melati Nungsari.
6. “Strategies to Foster Sustainable Energy Consumption” Encyclopedia of the UN Sustainable Development Goals. Energy. Walter L. Filho and Dinesh Surroop (eds). Springer Nature, Berlin, 2020.
7. “The Platform Economy And Sustainable Energy” Encyclopedia of the UN Sustainable Development Goals. Good Health and Well-Being. Walter L. Filho and Dinesh Surroop (eds). Springer Nature, Berlin, 2020. With Samuel Flanders
8. “Skills For Sustainable Development: Essays On How Creativity, Entrepreneurship And Emotions Foster Human Development.” Columbia University Academic Commons. New York, 2016. academiccommons.columbia.edu/eganaodelsol
9. “Financial Sustainability of the Pension Reserve Fund of Chile” (2010). *Ministry of Finance of Chile, Budget Office Official Reports*. With Nicholas Bär (LSE), Gilles Binet(IA-Canada), Manuel Agosin(UChile), David Bravo(UChile) and Jaime Ruiz-Tagle (UChile). dipres.gob.cl/Bar-et-al
10. “The (ina)mobility of educational Chilean students performance” (2013) with Juan Pablo Valenzuela, Claudio Allende and Alejandro Sevilla. Chapter in “Annual Research in Education FONIDE-MINEDUC”, Ministerio de Educacion de Chile, Santiago, Chile. A longer version available at Center for Advanced Research in Education Working Paper Series, Number 8, 1-101pp, May 2013.
11. “The Impact of a Youth Orchestra on Academic Achievement : The Case of Curanilahue Youth Orchestra” ’with Juan Pablo Valenzuela and Dante Contreras. Chapter in “Encuentros Binacionales de Jovenes Investigadores del Bicentenario Argentino-Chileno. Ministerio de Educacion de la Republica Argentina. ISBN: 978-987-27982-3-9. La Plata, Argentina. June 2011.
12. “Reactiva: Measuring entrepreneurial and emotional regulation skills on real life context (Version 1.0)” [Mobile application software].

SERVICE AND PROFESSIONAL EXPERIENCE

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|--------------|--|
| 2020-Present | Coordinator and Chair , Expert Commission for Future of Work, Senate of Chile, Commission of Technology and Science Challenges. |
| 2019-Present | Thesis advisor Jeanette Fuentes Ph.D. in Management, UAI Business School. |
| 2019-Present | Thesis advisor Katherine Mansilla, Ph.D. in Management, UAI Business School. |
| 2020-2021 | Thesis advisor Antonia Alamos, Rosario Suazo, Joaquin Saiz, Gabriela Barria Master in Strategy and Management, Sustainable Businesses concentration, UAI Business School. |
| 2018 | Co-organizer of the AIEA-NBER Annual Conference on Innovation and Entrepreneurship. August 16-18, Asia School of Business, Kuala Lumpur, Malaysia.
Webpage: www.aiea-nber.org/ |

- 2015 **Consultant of the Development Innovation Venture Program, USAID.**
- 2011-2012 **Member of the Board of Directors at Amnesty International, Chile.**
- 2011-2012 **Economic specialist consultant** for the second contest of Basal Financing Program (PFB) for Scientific and Technological Centers of Excellence, **CONICYT**
- 2009-2010 **Consultant**, Project “Optimal Camp El Salvador, CODELCO” Center for Mathematical Modeling (CMM) , University of Chile.
- 2009-2010 **Consultant, Inter-American Development Bank (IDB).** Creator and director of the GIS platform containing all projects conducted by the IDB in Chile. Nowadays, this project scaled up to a large initiative called [MapAmericas](#).
- 2007 **Consultant**, Project “Political Economy of Economic Development of Like-minded Countries to Chile”, Ministry of Foreign Affairs of Chile and **Inter-American Development Bank (IDB).**
- 2015-2016 Referee for the annual contest of the National Science Foundation (CONICYT) of Chile.
- 2015-2016 **Corresponding Editor** *Consilience: The Journal of Sustainable Development*, Columbia University.
- 2011 **Thesis advisor**, B.A. in Economics, student Rolando Campusano, Department of Economics, University of Chile.

HONORS AND AWARDS

- 2017 Prize Young Leader. *Diario Financiero*, Chile.
- 2011-2016 Faculty Fellow, Columbia University.
- 2011 Government of Chile Becas Chile: Full Scholarship for PhD Studies.
- 2008 Academic performance scholarship, MSc. in Economics, University of Chile.
- 2010 Graduated with Distinction from MSc. in Economics.
- 2008 Graduated with Distinction from Business Engineering, University of Chile.
- 2008 Graduated with Distinction from BA in Economics, University of Chile.

TEACHING

Lecturer

Executive Education, UAI Business School, Universidad Adolfo Ibanez

- 2021-2022 Innovation for Sustainable Business Models and Circular Economy.
2021 Circular Economy.

Lecturer

Advanced and Executive MBA, UAI Business School, Universidad Adolfo Ibanez

- 2021 Sustainable Business Models and Circular Economy.
Master in Sustainable Business, UAI Business School, Universidad Adolfo Ibanez

- 2021 Sustainable Business Models and Circular Economy.

Master in Management and Strategy, UAI Business School, Universidad Adolfo Ibanez

- 2019-2021 Sustainable Business Models and Circular Economy.
2019 Environmental and Natural Resources Economics
- Master in Business Administration (MBA), Asia School of Business*
- 2020 Sustainable Business Models
2019 Quantitative Methods.
2018 Quantitative Methods
2018 **Action Learning in Business, Faculty Advisor:** Zarla Online Store
Last Mile Distribution in Myanmar, and Ananda Real Estate Technology
Development in Bangkok , Thailand.
2017 Social Entrepreneurship Boot-camp. With Ambra Mazelli.
2017 Quantitative Methods
2017 Action Learning in Business, Faculty Advisor: UNDP in Timor-Leste; Asian
Development Bank in Timor Leste; General Electric 4.0 Industrial 3D
Printing; Central Bank of Malaysia Policies to Foster Tourism; Del Monte
Food Inc. in Philippines (x2); Lighting Up Borneo Renewable Energy, Korat
Langkawi Entrepreneurship Development, Arus Academy (21 Century Skills)
in Malaysia.
- BA in Economics, University of Chile.*
- 2010-2011 Macroeconomics I, Summer, Fall, Spring.
2010 Topics in Economic Research, Fall.

Teaching Assistant

- Master in Public Administration (MPA), SIPA, Columbia University.*
- 2014-2015 Applied Political Economy of Policymaking, Professor Andres Velasco.
2014-2015 Macroeconomic Laboratory, Professors Andres Velasco and Guillermo Calvo.
- Columbia College, Columbia University.*
- 2012 Latin American Politics, Professor Maria Victoria Murillo.
- MSc. in Economics, University of Chile.*
- 2007 Microeconomics II, Advanced Game Theory.
BA in Economics, University of Chile.
- 2004-2006 Introduction to Economics; Economic History; General Equilibrium and
Welfare
Economics; Economic Development.

GRANTS

Millenium Nucleous on the Evolution of Work (MNEW) , National Agency of Science of Chile (ANID) (550,000 USD). Director Jeanne Lafortune (PUC), co-director Mariana Bargsted (UAI), Alexandre Janiak (PUC), and Arturo Arriagada (UAI)

Ministry of Finance of Chile, Impact Evaluation Fund (100,000 USD). Impact Evaluation of the Digital Talent Program. with Christopher Neilson (Princeton Univerisity) and John Eric Humphries (Yale University).

Ministry of Women of Chile, Women on the Digital Economy Potential (20,000 USD). with Fabian Medel (UChile) and Darinka Radovic (UChile).

Templeton Foundation (233,000 USD). Non-Cognitive Skills Development and School-Based Violence Reduction in Central America RCT. with Claudia Martinez (PUC) and Lelys Dinarte (World Bank) in collaboration with NGO Glasswing International, El Salvador.

Citibank International Foundation (80,000). Entrepreneurship Education RYSE Program RCT in Malaysia.

PhD Thesis funding. Centre for Social Conflict and Cohesion Studies, University of Chile, 2015 (15,000).

PhD Thesis funding. Experimental Laboratory in the Social Sciences, Columbia University, 2014 (1,000).

National Council for the Arts, Government of Chile, 2010 (20,000).

MA Economics Thesis (follow up). Undersecretary of Regional Development, Ministry of Internal Affairs of Chile, 2008 (40,000).

PRESENTATIONS

2022: ASSA-AEA Annual Meeting, Austral University, University of Chile (Engineering),

2021: (presented by either me or co-authors) NEUDC, LACEA BRAIN, CEGA UC Berkeley, 10th ALCAPONE-LACEA Meeting, RIDGE, PUC, UAI, UC Denver, SECHI Annual Meeting

2018-2020: LACEA BRAIN, World Bank, Washington DC and Research Hub in Kuala Lumpur; InterAmerican Development Bank, Washington DC, UAI, Senate of Chile, EGAP Annual Meeting, The Netherlands; AIEA-NBER Innovation and Entrepreneurship Conference, Kuala Lumpur.

2017: XVIII World Congress of the International Economic Association(June); Interdisciplinary Symposium on Decision Neuroscience at Stanford GSB (June); First Meeting Innovation and Entrepreneurship Network, InterAmerican Development Bank and World Bank (July); Monash University; FGV/Rio de Janeiro.

2013-2016: The Wharton School of the University of Pennsylvania, Platt's Neuroeconomic Lab; The Society of Neuroeconomic Annual Meeting, Berlin; Annual Interdisciplinary Symposium on Decision Neuroscience, Philadelphia. Northeast Universities Development Consortium (NEUDC) Conference, MIT, Cambridge, MA; Columbia University; Jobs and Development Conference, World Bank, Washington DC; LACEA, Medellin, Colombia; MIT Media Lab, CID Harvard University, Columbia University; Inter American Development Bank. LACEA, Mexico City, Mexico.

REFEREE

Journal of Human Resources, Review of Development Economics, Sustainability, Socio-Economic Planning Sciences.

SKILLS

Proficient in the use of Stata, R, MatLab, EEGLAB, ArcGIS, OpenVibe.

Languages: English, Spanish, and Portuguese (intermediate).