

Xavier S. Warnes

Education

- 2021–current **Postdoctoral Scholar**, *Woods Institute for the Environment*, Stanford, CA, USA.
Mentors: Dan Iancu and Erica Plambeck
- 2015–2021 **Ph.D. in Operations, Information & Technology**, *Stanford Graduate School of Business*, Stanford, CA, USA.
Dissertation title: Social Good, Fairness, and Efficiency in Operations Management.
Advisors: Dan Iancu and Yonatan Gur
- 2009–2015 **Licenciatura (BA + MS) in Applied Mathematics**, *University of Buenos Aires*, Buenos Aires, Argentina.
Advisors: Guillermo Durán and Martín Safe

Research Interests

Environmental Sustainability • Fairness/Equity • Combinatorial Optimization • Game Theory

Working Papers

- Area Conditions and Positive Incentives: Engaging Locals to Protect Forests.
with J. de Zegher, D. Iancu, and E. Plambeck. (Submitted to Management Science.)
- Improving Smallholder Welfare While Preserving Natural Forest: Intensification vs. Deforestation.
with D. Iancu and E. Plambeck. (In Preparation.)
- Quantifying and Realizing the Benefits of Targeting for Pandemic Response.
with S. Camelo, F. Ciocan, D. Iancu, and S. Zoumpoulis. (Major Revisions in Operations Research.)

Publications

- Value Loss in Allocation Systems with Provider Guarantees.
with Y. Gur and D. Iancu **Management Science** (2021).
- Neighborhood Covering and Independence on P_4 -tidy Graphs and Tree-Cographs.
with G. Durán and M. Safe **Ann Oper Res** (2020).

Work In-Progress

- Dynamic Supply Chain Incentives for Forest Protection.
with D. Iancu and E. Plambeck

Conference Presentations

- *Area Conditions and Positive Incentives: Engaging Locals to Protect Forests.*
INFORMS 2023, MSOM 2023, POMS 2023, MSOM 2022
- *Improving Smallholder Welfare While Preserving Natural Forest: Intensification vs. Deforestation.*
INFORMS 2022, MSOM 2022, INFORMS 2021
- *Quantifying and Realizing the Benefits of Targeting for Pandemic Response.*
INFORMS 2023, INFORMS 2022, MSOM SIG 2022
- *Dynamic Supply Chain Incentives for Forest Protection.*
INFORMS 2020, MSOM 2020, INFORMS 2019
- *Value Loss in Allocation Systems with Provider Guarantees.*
INFORMS 2018, MSOM 2018, RM&P 2018, INFORMS 2017
- *Neighborhood Covering and Independence on P_4 -tidy Graphs and Tree-Cographs.*
LAGOS 2015, FOCM 2014

Teaching Experience

Course Assistant, OIT 262: Operations, *Stanford GSB*, MBA program, USA.

Course Assistant, OIT 245: Optimization and Simulation Modeling, *Stanford GSB*, MBA program, USA.

Teaching Assistant, Operations Research, *University of Buenos Aires*, Mathematics Department, UBA, Buenos Aires.

Teaching Assistant, Algorithms and Data Structures III, *University of Buenos Aires*, Computer Science Department, UBA, Buenos Aires.

Teaching Assistant, Optimization, *University of Buenos Aires*, Mathematics Department, UBA, Buenos Aires.

Academic Service

Reviewer **Management Science, Operations Research, Operations Research Letters, Management Science Reproducibility Project.**

Fellowships

2015–2021 **Stanford GSB Fellowship**, *The David S. Tappan Jr. Fellowship, The Kiam Family Fellowship Fund, Kurt and Molly Hauser Fellowship, Institutional Venture Partners Fellowship, Carroll and Emma Roush Scholarship Fund, Jackson Hugh Bowling Fellowship, Jaedicke Family Fellowship, Robert J. and Doreen D. Marshall Scholarship.*

2013–2015 **Research Fellowship**, *Beca Estimulo de Investigación de la Universidad de Buenos Aires*, merit-based Research Fellowship granted with a specific research proposal. Title of proposal: “Neighborhood-Perfect Graphs, Structural Characterizations and Algorithms”.

Languages

Native Speaker **Spanish**
Bilingual **English**
Intermediate **French**

Technologies

Advanced Python, Gurobi, Matlab, \LaTeX
Basic R, Stata, Cplex, Julia

Non Academic Interests

Rock Climbing, Tennis, Archery

References

Dan Iancu (Co-advisor)

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Yonatan Gur (Co-advisor)

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Dragos Florin Ciocan (Co-author)

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