

Xavier S. Warnes

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Education

- 2015–present **Ph.D. in Business Administration, Operations, Information & Technology**,
Stanford University, GSB.
- 2009–2015 **Licenciatura in Applied Mathematics**, *University of Buenos Aires.*
GPA: 9.63/10.

Publications and Working Papers

- X. Warnes. *Structural and Algorithmic Results on Neighborhood-Perfect Graphs and Neighborhood Numbers*, Master Thesis, University of Buenos Aires, 2014.
URL: http://cms.dm.uba.ar/academico/carreras/licenciatura/tesis/2014/Xavier_Warnes.pdf
- G. Durán, M. Safe, X. Warnes. *Neighborhood covering and independence on P_4 -tidy graphs and tree-cographs*. *Ann Oper Res* (2017). <https://doi.org/10.1007/s10479-017-2712-z>
- Y. Gur, D. Iancu, X. Warnes. *Value Loss in Allocation Systems with Provider Guarantees* *Management Science* (2020). <https://doi.org/10.1287/mnsc.2020.3656>
- D. Iancu, E. Plambeck, X. Warnes. *Balancing Natural Capital and Farmer Welfare: Optimal Mechanisms and Operational Implications* (Working Paper)

Conferences

- November 2020 **Speaker**, *INFORMS Annual Meeting 2020*, Virtual.
Financing for Responsible Operations: The case of Nan Province, Thailand
- October 2019 **Speaker**, *INFORMS Annual Meeting 2019*, Seattle, Washington State.
Balancing Natural Capital and Farmer Welfare: Optimal Mechanisms and Operational Implications
- November 2018 **Speaker**, *INFORMS Annual Meeting 2018*, Phoenix, Arizona.
Value Loss in Allocation Systems with Provider Guarantees
- July 2018 **Speaker**, *2018 INFORMS MSOM Conference*, Dallas, Texas.
Revenue Loss Under Income Guarantees in Allocation Systems
- June 2018 **Speaker**, *Revenue Management and Pricing Conference*, Toronto, Canada.
Revenue Loss Under Income Guarantees in Allocation Systems
- October 2017 **Speaker**, *INFORMS Annual Meeting 2017*, Houston, TX.
Revenue Loss under Constrained Allocations in Centralized Marketplaces
- May 2015 **Poster Presenter**, *Latin American Graph and Optimization Symposium 2015 (LAGOS2015)*, Berebire, Fortaleza, Brasil, “Neighborhood covering and independence on two superclasses of cographs”.
- December 2014 **Poster Presenter**, *Foundations of Computational Mathematics Conference 2014 (FOCM2014)*, University of the Republic, Montevideo, Uruguay, “Linear-time algorithms for neighborhood covering and independence on two superclasses of cographs”.

Fellowships

September 2015	Stanford GSB Fellowship , <i>The David S. Tappan Jr. Fellowship</i> , <i>The Kiam Family Fellowship Fund</i> , <i>Kurt and Molly Hauser Fellowship</i> , <i>Institutional Venture Partners Fellowship</i> , <i>Carroll and Emma Roush Scholarship Fund</i> , <i>Jackson Hugh Bowling Fellowship</i> , <i>Jaedicke Family Fellowship</i> , <i>Robert J. and Doreen D. Marshall Scholarship</i> .
June 2020	
August 2013	Research Fellowship , <i>Beca Estimulo de Investigación de la Universidad de Buenos Aires</i> , merit-based Research Fellowship granted with a specific research proposal. Title of proposal: “Neighborhood-perfect graphs, structural characterizations and algorithms”.
March 2015	

Teaching Experience

April 2019/2020	Course Assistant, OIT 262: Operations, Stanford GSB, MBA program, USA. Responsibilities included grading finals, giving office hours, teaching review sessions, and managing the Littlefield simulation assignment. This course covers fundamental concepts and tools of operations management, including process analysis, quality management, and supply chain management.
June 2019/2020	
September 2016/2017/2018	Course Assistant, OIT 245: Optimization and Simulation Modeling, Stanford GSB, MBA program, USA. Responsibilities included grading homework, giving office hours and teaching review sessions. This course provides basic skills in quantitative modeling: constructing an abstract model for a relevant business problem, and using the tools of optimization, Monte Carlo simulation and sensitivity analysis to generate and interpret recommendations.
December 2016/2017/2018	
June 2014	Teaching Assistant, Operations Research course, University of Buenos Aires, Mathematics Department, UBA, Buenos Aires. Responsibilities include teaching classes, contributing exam problems and grading exams. The course covers an introduction to modeling using Mixed-Integer Programming, algorithms for solving Linear Programming problems, and algorithms on graphs.
January 2015	
March 2011	Teaching Assistant, Algorithms and Data Structures III course, University of Buenos Aires, Computer Science Department, UBA, Buenos Aires. Responsibilities entail teaching classes of 50 to 70 college students, contributing exam problems and grading midterm exams. Topics include Graph Theory, Dynamic Programming, Greedy and Backtracking algorithms, and an introduction to Complexity Classes.
June 2015	
March 2013	Teaching Assistant, Optimization course, University of Buenos Aires, Mathematics Department, UBA, Buenos Aires. Responsibilities entail teaching classes, helping students understand and solve exercises, contributing exam problems and grading midterm exams. The course covers a first approach to combinatorial optimization and an introduction of more advanced topics such as semidefinite optimization and meta-heuristics.
March 2014	

Languages

Spanish	Native speaker	
English	Bilingual	
French	Intermediate	<i>Studied five years in high school.</i>

Technologies

Advanced	ℒ _{TeX} , C++, Matlab, Octave, Python, Zimpl, scip
Basic	Haskell, HTML, JavaScript, R, gephi, Cplex, ampl, Stata