Ignacio Andrés Ríos Uribe

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Bibliographical Information

Rut	17.124.537-0
Birth date	October / 11 /1988
Citizenship	Chilean
City of birth	Osorno, Chile
Marital Status	Married

Education

2015-2020	PhD Operations and Information Technology, Stanford University (currently 3er year student)
2014	Industrial Engineering, Department of Industrial Engineering, University of Chile.
2014	Master in Operations Research, University of Chile.

Experience

02/2014 – 05/2015	Startup - Consultancy Company, TwoMatch Consulting. (Design of algorithms and software to solve matching problems in college admissions environments)
02/2014 – 05/2015	Research assistant at Department of Industrial Engineering, University of Chile, Santiago, Chile.
01/2013 – 02/2014	Research assistant at Department of Mathematics, University of California, Davis, USA.

Publications

Published

Stochastic Unit Commitment at ISO Scale, an ARPAe project, with K. Cheung, Y. Feng, D. Gade, Y. Lee, C. Monroy, F. Rüdel, S. Ryan, J.P. Watson, R. Wets and D. Woodruff, in IEEE Power & Energy Society General Meeting Proceedings, 2014

Multi-period forecasting and scenario generation with limited data, with R. J-B. Wets and D. Woodruff, in Computational Management Science, 12 (2), 267-295, 2015

Modeling and estimating commodity prices, with R. J-B. Wets, in Mathematics and Financial Economics, 9 (4), 247-270, 2015.

Toward Scalable Stochastic Unit Commitment - Part 1: Load Scenario Generation, with Y. Feng, S. Ryan, K. Spürkel, J.P. Watson, R. J-B. Wets, and D. Woodruff, in Energy Systems, 6 (3), 309-329, 2015.

Building a stochastic programming model from scratch: A harvesting management example, with A. Weintraub and R. J-B Wets, in Quantitative Finance (available online)

Effect of Including High-School Grades Rank in the Admission Process to Chilean Universities, in Pensamiento Educativo, 52 (1), 95–118, 2015.

Unpublished
Improving the Chilean College Admissions System, with R. Cominetti, T. Larroucau and G. Parra, in Operations Research (submitted).

Using stochastic programming with spatial scenarios to inform management of flammable forest landscapes, with D. Martell, R. J-B. Wets, D. Woodruff and A. Weintraub.

In-Progress
Increased Transparency in Procurement: the Role of Peer-Effects, with R. Beer and D. Saban

Do "short-list" students report truthfully? Strategic behavior in the Chilean college admissions problem, with T. Larroucau.

Conferences

- International Conference on Stochastic Programming, Bergamo, Italy, 2013
- INFORMS Annual Meeting, San Francisco, USA, 2014
- Annual Meeting of the Economics Chilean Society, Reñaca, Chile, 2014
- INFORMS Annual Meeting, Nashville, USA, 2016
- INFORMS Annual Meeting, Houston, USA, 2017

Honors

- Best student of 2007's Industrial Engineering class, Department of Industrial Engineering, University of Chile, 2014
- Best Teaching Assistant, Department of Industrial Engineering, University of Chile, 2013
- CONICYT Fellowship for Master Studies, 2013
- "Whole Industrial" Prize, Department of Industrial Engineering, University of Chile, 2011, 2012
- Outstanding Student Prize, Faculty of Mathematics and Physics, University of Chile, 2007, 2008, 2009, 2010, 2011,

Additional Information

Idioms
Spanish, English and French.

TA experience
Optimization, Economics, Operations Research, and Operations Management.

Programming skills
Python, Java, Julia, SQL, Matlab
LaTex, Office.

Research interests
Behavioral operations, resource allocation, matchings, market design, problems under uncertainty and/or irrationality or agents